(1)

नाशिक महानगरपालिका, नाशिक

NOTING

कार्यवाही - अनुक्रमणिका

अ.क्र.	तपशील (का)	दिनांक	पा. नं. (का)
1)	अहवाल		१ ते ३
2)	टिपणी		



NASHIK MUNICIPAL CORPORATION-::NASHIK
Estimate Summary Budget Codewise

STATUS	A	B	C	D	E	F
DATE						05.12.2025

4097
S420409707 SINHASTHA KUMBHMELA - 2027

Estimate No. 1820016203	Work Name: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)
Prabhag No. GNR	Nature of Work - CAPITAL EXPENDITURE

Sno.	Particuars	Amount in Rs.
1.	Current Year's Budget Provision (FY2025-26)	32,775,800,000.00
2.	Expenditure Till Date	0.00
3.	Amount of Workorders Issued	0.00
4.	Amount of Tenders Sanction	0.00
5.	Amount of Administrative Approvals Given	1,482,553,108.00
6.	Amount of Administrative Approvals Pending	832,483,785.00
7.	Totals of Expenditures and Liabilities (2+3+4+5+6)	2,315,036,893.00
8.	Budget Provision Available (1-7)	30,460,763,107.00
9.	Proposed Current Estimate	480,809,406.00

Junior Engineer

Deputy Engineert

Executive Engineer

City Engineer/Superintendent Engineer/H.O.D.

Junior Accountant / Deputy Accountant

Senior Accountant

Deputy C.A.O.

C.A.O.

१८-१

दि. /०८/२०२५

सविनय सादर ,

कामाचे नाव - के.टी. एच. एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, वॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)

प्रस्तावना:-

नाशिक हे भारतातील महत्वाचे व पौराणिक शहर असुन नाशिक येथे दर १२ वर्षानी सिंहस्थ कुंभमेळा आयोजीत होत असतो. आगामी सिंहस्थ कुंभमेळा सन २०२७ मध्ये होणार असुन सिंहस्थ कुंभमेळ्यासाठी जगभरातुन असंख्य भाविक व साधुसंत नाशिक, त्र्यंबकेश्वर येथे येत असतात. सदर रस्ता शहराच्या मध्यवर्ती भागातील असुन सिडको, सातपुरकडुन त्र्यंबकरोड,गंगापुर रोड यांना जोडणारा व तेथुन मखमलाबाद व मुंबई आग्रा रोड यांच्याकडे घेऊन जाणारा व त्र्यंबकरोड कडुन मुंबई नाक्याकडे घेऊन जाणारा महत्वाचा मार्ग आहे. सद्यस्थितीत सिबीएसकडुन शरणपुर रोडकडे जाणारा रस्ता कॉक्रींटकरण होत असल्याने ह्या रस्त्यास जोडुन पुर्ण लिंक कॉक्रींट होऊन वाहतुक सुरळीत होईल. के टी एच एम पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड रस्त्याची लांबी ३६८० व रुंदी मंजुर विकास आराखडयात १८ व २४ मी अशी आहे. त्यामुळे सदर रस्ता मुख्य डी.पी.रस्ता असल्याने सदर रस्त्याचे रुंदीकरण करुन कॉक्रींटीकरण करणे आवश्यक आहे. सदर रस्ता शहरातील मध्यवर्ती रस्ता असल्याने सिंहस्थ कुंभमेळयाच्या दृष्टीने महत्वाचा आहे.

१.१ केटीएचएम पुल चोपडा लॉन्स ते जुना गंगापुर नाका रस्ता.-

- **रस्त्याची सद्यःस्थीती:-** केटीएचएम पुल चोपडा लॉन्स पुल ते जुना गंगापुर नाका पर्यंतचा रस्ता स्मार्ट सिटीमार्फत कॉक्रीटीकरणाने विकसीत झाल्याने सदर लांबी यातुन वगळण्यात आलेली आहे.

१.२ जुना गंगापुर नाका ते कॅनडा कॉर्नर रस्ता.- सदर रस्ता सद्यस्थितीत डांबरी पृष्ठभागाचा असुन सुमारे ४८० मी.लांब व सुमारे १८ मी.रुंदीचा आहे.

सद्यस्थितीत बत्याच ठिकाणी सदर रस्त्याचा पृष्ठभाग खराब झालेला आहे. पश्चिम भागातील रस्त्याचे बऱ्याच ठिकाणी नागरिकांनी नळ कनेक्शन, गटार, पाणी जोडणी करीता रस्त्यामध्ये ओघळया केलेल्या आहेत. सदर रस्ता अंदाजे ९-१० वर्षापुर्वी तयार करणेत आला होता.

- **प्रस्तावित कामाचा वाव-**

प्रस्तावित कामामध्ये डांबरी पृष्ठभाग काढुन नव्याने कॉक्रींटीकरण करणे, पावसाचे पाणी निचरा करणेसाठी खोदाई, पाईप, चेंबर बांधणे, मुरुम जीएसबी, लीन कॉक्रींट, M -40 कॉक्रींट, पेव्हिंग ब्लॉक, डिव्हायडर दुरुस्ती रोड फर्निचर व इतर अनुषंगिक बाबींचा समावेश आहे.

१.३ कॅनडा कॉर्नर ते एच.डी.एफ.सी. बँक रस्ता.-

सदर रस्ता सद्यस्थितीत डांबरी पृष्ठभागाचा असुन सुमारे ६०० मी.लांब व सुमारे १८ मी.रुंदीचा आहे.सद्यस्थितीत सदर रस्त्याचा पृष्ठभाग खराब झालेला असुन नागरिकांनी नळ कनेक्शन, गटार, पाणी जोडणी करीता रस्त्यामध्ये ओघळया केलेल्या आहेत. त्यामुळे सदर रस्ता नव्याने करणे आवश्यक आहे.

(१५-२)

➢ **प्रस्तावित कामाचा वाव-**

प्रस्तावित कामामध्ये डांबरी पृष्ठभाग काढुन नव्याने कॉक्रींटीकरण करणे, पावसाचे पाणी निचरा करणेसाठी खोदाई, पाईप, चेंबर बांधणे, मुरुम जीएसबी, लीन कॉक्रींट, M -40 कॉक्रींट, पेव्हिंग ब्लॉक, डिव्हायडर दुरुस्ती, रोड फर्निचर व इतर अनुषंगिक बाबींचा समावेश आहे.

१.४ एच.डी.एफ.सी. पोलीस चौकी ते शरणपुर पोलीस चौकी सिग्नल रस्ता.-

सदर रस्ता सद्यस्थितीत डांबरी पृष्ठभागाचा असुन सुमारे ३६० मी.लांब व सुमारे १८ मी.रुंदीचा आहे.

सद्यस्थितीत सदर रस्त्याचा पृष्ठभाग खराब झालेला असुन ठिकठिकाणी खड्डे झाल्याने दरवर्षी रस्त्यावर विविध ठिकाणी पॅच वर्क केल्याने राईडींग क्वॉलीटी खराब झालेलीआहेत. त्यामुळे सदर रस्ता नव्याने करणे आवश्यक आहे.

➢ **प्रस्तावित कामाचा वाव-**

प्रस्तावित कामामध्ये डांबरी पृष्ठभाग काढुन नव्याने कॉक्रींटीकरण करणे, पावसाचे पाणी निचरा करणेसाठी खोदाई, पाईप, चेंबर बांधणे, मुरुम जीएसबी, लीन कॉक्रींट, M -40 कॉक्रींट, पेव्हिंग ब्लॉक, रोड फर्निचर व इतर अनुषंगिक बाबींचा समावेश आहे.

१.५ शरणपुर पोलीस चौकी सिग्नल ते मायको सर्कल रस्ता.-

सदर रस्त्याची लांबी खडकाळी सिग्नल ते त्र्यंबकनाका सिग्नल ते मायको सर्कल ते एबीबी सर्कल ते आयटीआय सिग्नल पर्यंतचा रस्त्यात समाविष्ठ असल्याने वगळण्यात आलेला आहे.

१.५ मायको सर्कल ते चांडक सर्कल रस्ता.-

सदर रस्ता हा डांबरी असून सुमारे ६१० मी. लांबी व सुमारे २४ मी. रुंदीचा आहे. सद्य:स्थितीत काही ठिकाणी रस्ता खराब झालेला असून पृष्ठभाग निघाला आहे. बऱ्याच ठिकाणी ओएफसी केबल, एमएनजीएल लाईन तसेच नागरिकांनी नळ कनेक्शन, गटार, पाणी जोडणी करीता रस्त्यामध्ये ओघळया केलेल्या आहेत. त्यामुळे सदर रस्ता अस्तरीकरण करणे अत्यंत आवश्यक आहे. सदरचा रस्ता अंदाजे ६-७ वर्षापूर्वी तयार करणेत आला होता.

> प्रस्तावित कामाचा वाव-

प्रस्तावित कामामध्ये रुंदीकरण करुन डांबरीकरण करणे, पावसाचे पाणी निचरा करणेसाठी खोदाई, पाईप, चेंबर बांधणे, टॅक कोट, बीएम, डी बीएम,बीसी, पेव्हिंग ब्लॉक, रोड फर्निचर इ. अनुषंगिक बाबींचा समावेश आहे.

१.५ चांडक सर्कल ते मुंबईनाका महामार्ग बस स्थानक रस्ता.-

सदर रस्ता हा डांबरी असून सुमारे १०८० मी. लांबी व सुमारे २४ मी. रुंदीचा आहे. सद्य:स्थितीत काही ठिकाणी रस्ता खराब झालेला असून खड्डे पडण्यास सुरुवात झालेली आहे. पब्लीक सव्हिसेस करीता ओएफसी केबल, एमएनजीएल लाईन तसेच नागरिकांनी नळ कनेक्शन, गटार, पाणी जोडणी करीता रस्त्यामध्ये ओघळया केलेल्या आहेत. त्यामुळे सदर रस्ता आगामी सिंहस्थाकरीता पुर्ण रुंदीला विकसीत करुन डांबरीकरण करणे अत्यंत आवश्यक आहे. सदरचा रस्ता अंदाजे ६-७ वर्षापूर्वी तयार करणेत आला होता.

> प्रस्तावित कामाचा वाव-

प्र-3

प्रस्तावित कामामध्ये रुंदीकरण करुन डांबरीकरण करणे, पावसाचे पाणी निचरा करणेसाठी खोदाई, पाईप, चेंबर बांधणे, टॅक कोट, बीएम, डी बीएम,बीसी, पेव्हिंग ब्लॉक, रोड फर्निचर इ. अनुषंगिक बाबींचा समावेश आहे.

सदर रस्त्याच्या कामातील मुख्य वाहतूक मार्गात येणारे विविध प्रकारचे वृक्ष काढणे अथवा स्थलांतरित करणे, दुभाजकात शोभेची झाडे लावणे व देखभाल दुरुस्ती करण्याची कामे तसेच इतर तद्अनुषंगिक कामे ही मनपाच्या उद्यान विभागामार्फत करण्यात येणार असल्यामुळे उपरोक्त बाबींचा अंतर्भाव सदर प्रस्तावात घेतलेला नाही

सदरचे अंदाज पत्रकातील दर महाराष्ट्र राज्याची जिल्हा दर सुची २०२२-२०२३ व महाराष्ट्र जिवन प्रधिकरणाची जिल्हा दरसुची २०२३-२०२४ वर आधारित असुन जीएसटी, टेस्टींग चार्जेस, रॉयल्टी चार्जेस यांचा अंर्तभाव करण्यात आलेला आहे.

सदर कामाची अंदाजपत्रकीय किंमत (अ) स्थापत्य विषयक कामे र.रु ४६,१४,८६,५८४/- व (ब) विद्युत व्यवस्था र. रु १,९३,२२,८२३/- एकुण र.रु ४८,०८,०९,४०७/- (अक्षरी रुपये - अठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात मात्र) इतकी आहे. सबब उपरोक्त विषयाची रस्त्याचा कामांस तांत्रीक मान्यतेसह पुढील प्रशासकीय मान्यतेसाठी प्रस्ताव सविनय सादर.

(राकेश पवार)
कनिष्ठ अभियंता -

(प्रशांत बोरसे)
मा.उप अभियंता -

~~उप अभियंता (प.)~~
~~(संदेश शिंदे)~~
~~मा. कार्यकारी अभियंता~~ -

दि. 11/09/2025

विषयाधीन कामाचे प्राक्कलन PWD SSR year 2022-23 wef दि. 25/07/2022, MJP SSR year 2023-24 wef दि. 20/6/2023 व विभागाने सोबत जोडलेल्या दरपृथक्करण नुसार तपासले पुढील योग्य कार्यवाहिसाठी निर्देशासह सादर.

उप अभियंता (प.)

मा. कार्यकारी अभियंता -

विभागीय कार्यालय अ.वाशीनगर विभागाचे कार्यालय ईमारतीसाठी नविन मंजुरी मिळणेबाबत विनंती.

सदर विद्युत विभागाचे कार्यालय ईमारतीसाठी नविन मंजुरीसाठी विद्युत विभागाकडे पाठविणेबाबत विनंती.

मा.शहर अभियंता मा.

Manal

मा. कार्यकारी अभियंता (विद्युत) - Manali 30/8

EE (Ue) मार्गदर्शनासाठी सादर.

अधिक्षक अभियंता यांचेकडे सादर.

म.रा.वि.वि.कं. लि.
दिनांक: 09/09/24
वेळ: 12.29

विषय- केटीएचएम पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड रस्ता सुधारणे.

दिनांक-२६/९/२०२५

सिंहस्थ कुंभमेळा २०२७-२८ चे अनुषंगाने सार्वजनिक बांधकाम विभाग मनपा मार्फत केटीएचएम पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड हा रस्ता विकसीत करण्यात येत आहे. सदर रस्त्यांवर विद्युत विषयक कामाचे प्राकलन व तांत्रिक मान्यता मिळणेकामी मनपा सा.बां.विभागाकडुन नस्ती विद्युत विभागाकडे प्राप्त झाली आहे. प्रत्यक्ष देपोत आलेल्या माहितीनुसार सदर विकसीत करण्यात येणाऱ्या रस्त्यावरील पथदिप व्यवस्था सुधारणा, सुशोभीकरण करणे, रस्त्यात असलेले MSEDCL पोल / डी पी / ट्रान्सफॉर्मर/मिनीपिलर स्थलांतरीत करणे, ओव्हरहेड लाईन भुमिगत करणे इ. विद्युत विषयक कामाचे प्राकलन महाराष्ट्र शासन सी.एस.आर. २०२३-२४ चे मंजुर दराप्रमाणे व ज्या बाबींचा समावेश महाराष्ट्र शासनमान्य सी.एस.आर. मध्ये नाही अशा बाबींचा बाजार भावाप्रमाणे प्राकलन तयार केले असता ते र.रु.१,९३,२२,८२३/- (GST सह) (अक्षरी र.रु. एक कोटी त्र्यान्नव लक्ष बावीस हजार आठशे तेवीस)होत आहे.

- सदर कामाकरीता येणारा खर्चाचे नियोजन सार्वजनिक बांधकाम विभाग, मनपा, नाशिक यांचेमार्फत करणेत यावा.
- सदर कामात वापरण्यात येणारे साहित्याचे III[rd] Party Inspection करणे, विद्युत निरीक्षक तपासणी अहवाल प्राप्त करुन घेणे इत्यादी कामे मक्तेदाराने स्वखर्चाने करावयाचे असल्याने प्राकलनात त्याखर्चाचा समावेश करण्यात आलेला नाही.
- सदर कामाचे प्राकलन हे प्रस्तावित केलेल्या कामानुसार असल्यामुळे प्रत्यक्ष काम करते वेळी प्राकलनात बाबींच्या संख्येत बदल होण्याची शक्यता आहे. परंतु प्राकलन रकमे पावेतो एकुण खर्च करणे बंधनकारक राहील.

उपरोक्त अटी शर्तीस अधिन राहुन प्राकलन र.रु.१,९३,२२,८२३/-(GST सह) यास तांत्रिक मान्यता देण्यात येत आहे.

सदर कामाचे निवीदा मागवितांना खालील बाबींचा निविदेत समावेश होणे आवश्यक आहे.

१. सदर कामाची निविदा काढणेपुर्वी विद्युत विषयक कामासाठी अटी-शर्ती विद्युत विभागामार्फत तयार करुन घेवुन त्याचा निविदेत अंतर्भाव (समावेश) करण्यात यावा.
२. महाराष्ट्र शासन सां.बां. विभाग यांचे कडील नोंदणीकृत विद्युत मक्तेदार तसेच PWD, Appropriate Class यांचे कडुन विद्युत विषयक कामे करणेत यावे.
३. विद्युत विषयक काम सुरु करणे पुर्वी विद्युत विभागाकडुन कामाचा लाईन आऊट घेणे, कामात वापरणाऱ्या साहीत्याचे आवश्यक ती तपासणी करुन घेणे व विद्युत विभागाच्या देखरेखी खाली काम करुन घेणे संबंधित मक्तेदारास बंधनकारक राहील.
४. सदर कामात MSEDCL संबंधित कामास MSEDCLकडुन आवश्यक १.३% सुपरव्हिजन चार्जेसचे कोटेशन प्राप्त करुन घेणे, MSEDCL यांचे प्रचलित नियमानुसार आवश्यक त्या मंजुरी घेणे व त्यानुसार काम करणे मक्तेदारास बंधनकारक राहील. १.३% सुपरव्हिजन चार्जेसचा येणारा खर्च मनपामार्फत करण्यात येईल.
५. विद्युत विषयक कामाचे III[rd] Party Inspection, NABL Approved Lab किंवा मनपाने नियुक्त केलेल्या संस्थे मार्फत करणे मक्तेदारास बंधनकारक राहील, त्याकरीता येणारा सर्व खर्च मे. मक्तेदारास स्वखर्चाने करणे बंधनकारक राहील.
६. सदर विद्युत विषयक कामाचे प्राकलनात घेणेत आलेले साहित्य (Item) हे प्रत्यक्ष काम करते वेळी साहित्याचे संख्येत बदल होवु शकतो.

वरील सर्व बाबींस अधिन राहुन प्राकलनास तांत्रिक मान्यता मिळणेस व पुढील कार्यवाही होणे करीता सदरची नस्ती बांधकाम विभागाकडे पाठविणेस सविनय सादर.

cc लिपीक

सहा.क./क.अभियंता (वि.)

मा. उपअभियंता (वि.)

मा. कार्यकारी अभियंता (वि.)
(ए. एस. गायकवाड)

मा. अधिक्षक अभियंता (वि./यां.)
(ए. व्ही. धनाईत)

मा. शहर अभियंता

मा.क.ग.पा. विद्युत
जावक नं. २८
दिनांक: १६/९/२०२५

मा. विनंती आहे,

उपरोक्त विषयांकित प्रस्तावात स्थापत्य कामाचे तसेच विद्युत विषयक कामाचे सुधारित मान्यता देण्यात आलेली आहे.

स्थापत्य विषयक कामे — रु. 46,14,86,584.00

विद्युत विषयक कामे — रु. 1,93,22,823.00

रु. 48,08,09,407.00

उपरोक्त प्रस्तावास नाशिक-अंबडरोड सुधारणेच्या प्राधिकरण वाणिज्यीकरण दि. 14/09/20 रोजचे मान्यता मिळालेली आहे. तरी सदर प्रस्तावास मुख्य कं व मुख्य लेखाधिकारी विभाग. यांची मान्यतेस्तव सादर

कार्यकारी अभियंता
पुलांचा दक्षिण-पश्चिमेकडील विभाग (पश्चिम)
मनपा (नाशिक)

मा. शहर अभियंता —

विषय:- के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) विकसित करणे

(प्राकलन र.रु. ४८,०८,०९,४०७/-)

(नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडीलदि.१४.९.२०२५ रोजीच्या प्र.मा. आदेशातील अ.क्र. १० चे काम)

सविनय सादर,

१. सद्यस्थितीत नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि. १४.०९.२०२५ रोजीच्या आदेशानुसार प्रशासकीय मान्यता मिळाली असल्याने "सिहंस्थ कुंभमेळा कामे २०२७" संगणक कोड क्र. "४०९७" या लेखाशिर्षातून खर्च करणेकामी कार्यकारी विभागाने आवश्यक ती उचित कार्यवाही करावी.

२.नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि. १४.०९.२०२५ रोजीच्या प्रशासकीय मान्यता आदेशातील नमुद **अ. क्र. १०** नुसार सदर कामास **र.रु. ४८.०८** कोटीच्या खर्चास प्रशासकीय मान्यता देणेत आलेली आहे त्यानुसार प्राप्त प्रशासकीय मान्यतेनुसार शासन निधीतुन कामासाठी उपलब्ध तरतुदीच्या मर्यादेत सदर कामाचा खर्च करण्याची जबाबदारी कार्यकारी विभागाची राहील.

३. कार्यकारी विभागाने नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि. १४.०९.२०२५ रोजीच्या प्रशासकीय मान्यता आदेशातील अटी व शर्ती क्र. १ ते ३० चे पालन करणे आवश्यक राहील.

४. मा.आयुक्त यांचे परिपत्रक जा.क्र./आस्वीस /वशि / ४८७ / २०१९ दि.२४/१२/२०१९,जा.क्र./मनपा/ लेखा / २२०/२०२१ दि. २४/०२/२०२१ व परिपत्रक जा.क्र./आस्वीस/वशि/१११/२०२४ दि.६/६/२०२४ अन्वये कार्यवाही करण्याची करण्याची विभागाने नोंद घ्यावी.

५. मा. आयुक्त सो. यांचे सन २०२५-२६ च्या अंदाजपत्रकातील "सिहंस्थ कुंभमेळा कामे २०२७" संगणक कोड क्र. "४०९७" या लेखाशिर्षात कुंभमेळा प्राधिकरण यांचेकडील दि. १४.०९.२०२५ रोजीच्या आदेशानुसार सदर कामास तरतुद उपलब्ध करून देणेत आलेली आहे.

६. सदर कामाची तांत्रिक मान्यता सार्व. बांधकाम विभागाने **र.रु. ४६,१४,८६,५८४/-** व सार्व. आरोग्य अभि. विद्युत व्यवस्थापन विभागाने **र.रु. १,९३,२२,८२३/-** इतक्या रकमेची सक्षम प्राधिकरणाने प्रमाणित करून दिलेली आहे.

७. निविदा अटी/शर्ती मध्ये केलेल्या कामाचे काम करतांनाचे जिओ टॅगिंग फोटो जोडण्यात यावे, देयक अदायगीचे वेळेस फोटो साद्रर करावे व ते कार्यकारी विभागाच्या उपअभियंता यांनी प्रमाणित करावे.

८. आगामी अंदाजपत्रकात "सिहंस्थ कुंभमेळा कामे २०२७" संगणक कोड क्र. "४०९७" या लेखाशिर्षामधुन हाती घेण्यात येणाऱ्या कामांचा समावेश करून त्यासाठी मनपा हिस्स्यापोटी येणाऱ्या खर्चासाठी तरतूद करणेची दक्षता कार्यकारी विभागाने घ्यावी.

९.नाशिक मनपा मार्फत सिंहस्थच्या दृष्टीने विविध प्रशासकीय विभागा अंतर्गत केंद्र व राज्य योजनांमध्ये जसे की अमृत २.० (मलनि:स्सारण व पाणीपुरवठा), UCF इ. अंतर्गत निधी उपलब्ध होण्याच्या अनुषंगाने, महत्वाचे विविध भांडवली कामांचे प्रकल्प हाती घेण्यात आले आहेत. त्यामुळे नाशिक मनपा हिस्साकरीता करावा लागणारा निधी हा म्युनिसिपल बॉण्डद्वारे रु. २००.०० कोटी व ग्रीन बॉण्डद्वारे र.रु. २००.०० कोटी असे एकूण र.रु. ४००.०० कोटी व उर्वरित मनपा स्वनिधी मधून उभारण्याची कार्यवाही सुरु आहे. सदर बॉण्ड उभारणी करतांना विशिष्ठ प्रकल्प हाती घेणे आवश्यक आहे. त्यामुळे सिंहस्थ आराखडा २०२७ च्या अंतर्गत, नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत नाशिक मनपास विविध विकास कामांसाठी प्राप्त होणाऱ्या एकूण निधी हा, सिंहस्थच्या दृष्टीने आवश्यक असलेल्या प्रकल्पांमध्ये नाशिक मनपाने केलेला खर्च हा कामनिहाय हिस्सा न पकडता, एकत्रितरित्या मनपा हिस्सा म्हणून समायोजित करणे आवश्यक आहे याबाबत वरिष्ठ अधिकाऱ्यांचे शासन स्तरावर विचारविनिमय चालू आहे.

सबब सदर बाबतीत कार्यकारी विभागाने प्रमाणित करून प्रस्तावित केलेप्रमाणे येणारा खर्च र.रु. ४८,०८,०९,४०७/- (अक्षरी र.रु. अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात मात्र) या खर्चास शासन अनुदान प्राप्त होण्याच्या अधीन व निधी उपलब्धतेनुसार महाराष्ट्र महानगरपालिका अधिनियम कलम ७३ (क) अन्वये सक्षम प्राधिकरण म्हणून मा. महासभेची प्रशासकीय मान्यता घेऊन ई-निविदा राबविणेकामी सक्षम प्राधिकरणाच्या उचित निर्णयार्थ सादर.

उपलेखापाल (जयेश सु.अत्रे)-

उपमुख्यलेखाधिकारी (गुलाब वा.गावित)-

मा.मु.ले.व वित्त अधिकारी/सो. (दत्तात्रय ज्ञा.पाथरूट) -

मा.मुलेप

सविनय सादर,

प्रस्ताव City Engineer यांच्याकडून सादर

विषय:- DEVELPPMENT OF ROAD KTHM COLLEGE B RIDGE TO OLD GANGAPUER NAKA TO SHARANPUER POLICE CHOWKI , ECT.निवीदा काढणे व प्रशासकिय मंजुरी बाबत आहे.

1)प्राकलन र. रू.48.08,09,407/-इतकेआहे.यास दि.१४/०९/२०२५ अनुवे नाशिक त्रबेक्षेश्वर कुभामेला प्राधीकरण सामित्यीची मानेता आहे,व आदेशात नमूदकेल्या प्रमाणे विभागाने कार्यवाही करणेआवश्यक आहे.

२) विभागाने कामाची निकड पृष्ठ क्र.1 ते 06 वर नमुद केली आहे.

3) सदर कामाचे प्राकलनातील रक्कम व प्राकलनातील बाबीचे तांत्रिक विभागाने तपासणी करून प्रमाणित केलेआहे.

4) लेखा व वित्तविभागाचा पृष्ठ क्र.7,8 वरील अभिप्राया नुसार कार्यवाही होणे आवश्यक आहे.

5) शिल्लक तरतुद व दायीत्वा बाबत विभागानेअभिप्राय नमुद करणेआवश्यकआहे.

6) मंजुर तरतुदीच्याआत खर्च होईल याबाबत विभागा दक्षता घेण्यात यावी.

7) मा.आयुक्त सोयां चे कडील 111 दिनांक 06/06/2024 चे परिपत्रका नुसार कार्यताही करणे बाबत विभागाने दक्षता घ्यावी

8) सदरचे काम दुबार होणार नाही या बाबत विभागाने दक्षता घेणेत यावी.

9) मा. आयुक्त यांचे कडील दिनांक 02/6/01/2025 चे परिपत्रका नुसार कार्यवाही करणे बाबत विभागानेदक्षताघ्यावी

10) सदरचे काम जाहिर निविदेव्दारे करणेत यावे.

11) विभागाने शिखर समिची मानेता घेणे आवश्यक आहे या बाबत विभागाने दक्षता घेणेत यावी

12)The Maharastra Stamp Duty Act 1958 Amended by Mah.act 20 of 2025 Dt 01/04/2055,Mah .Act. act No,9 of2025 DT. 1.1.2025 And Mah.Act,No,32 of2024 dt 31.07.2024 Section 34 (Penalty) बाबत विभागाने दक्षता घेणेत यावी.

विभागाने प्रस्तावित केलेनुसार व शिफारशीनुसार प्रस्ताव प्रशासकिय मंजुरिच्या पुढील निर्णयास्तव सादर

वलेप-कृष्णाआर. पडोळ

मा.उपमुले (प्र) किरण धारणकर

मा.मुख्य लेखापरिक्षक (बी. जे. गायकवाड)

मा City Engineer

दै लोकमत दि २१/९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग

सिंहस्थ कामे- ई- निविदा सूचना क्र.०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सूचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासून दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्वीकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सूचना/शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र./२६०/२०२५ दिनांक २०/०९/२०२५

दै सकाळ दि २५/९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे- ई-निविदा सुचना क्र. 03 (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सुचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासुन दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सुचना / शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

sd/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

दै पुण्यनगरी दि २५/९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे- ई-निविदा सुचना क्र. 03 (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सुचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासुन दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सुचना / शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

sd/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

दै-दिव्यमराठी दि २१/९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग

सिंहस्थ कामे- ई- निविदा सुचना क्र.०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई- निविदा सुचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासुन दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सुचना / शुध्दीपत्रके हे Online website वर प्रसिध्द करणेत येतील.

सही/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

सही/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र./२६०/२०२५ दिनांक २०/०९/२०२५

दै प्रात: काल दि २१/९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department

Sinhastha Work - E-Tender Notice No.03 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the web site www.mahatenders.gov.in. from dt.22/09/2025 to 06/10/2025 up to 3.00 pm. Last date for acceptance of tender will be dt.06/10/2025.

Note - All further necessary notices/clarifications will be published on the online website.

Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

दै. लोकमत दि २५/०९/२०२५

(12)

दै. सकाळ टाईम्स दि २५/०९/२०२५

दै. पुण्यनगरी दि २५/०९/२०२५

दै. mint दि २५/०९/२०२५

दै. जनशक्ती दि २५/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
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Nashik Municipal Corporation

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Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the website www.mahatenders.gov.in from dt.22/09/2025 to 06/10/2025 up to 3.00 pm. Last date for acceptance of tender will be dt.06/10/2025.

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Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Note - All further necessary notices/clarifications will be published on the online website.

Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal
Corporation

जनसंपर्क/जा.क्र/३६०/२०२५ दि.२०/०९/२०२५

पाने →

दै. नवभारत दि १८/१०/२०२५

(13)

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
Ph. (0253) 2575631/32, 2579119 Fax: 2577936
E-Tender Notice No. 03/ 2025-26

Nashik Municipal Corporation, invites bids vide e-Tender No-03/(2025-26) for 01 works. The Detailed Tender Notice & Tender documents will be available on www.mahatenders.gov.in, from Dt. 17/10/2025 to Dt. 03/11/2025.

Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

जनसंपर्क/जा.क्र/३९४/२०२५ दि.१५/१०/२०२५

गोदा प्रदूषण टाळा, भविष्य संभाळा.

दै. पुढारी ऑफ इंडिया दि १८/१०/२०२५

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
Ph. (0253) 2575631/32, 2579119 Fax: 2577936
E-Tender Notice No. 03/ 2025-26

Nashik Municipal Corporation, invites bids vide e-Tender No-03/(2025-26) for 01 works. The Detailed Tender Notice & Tender documents will be available on www.mahatenders.gov.in, from Dt. 17/10/2025 to Dt. 03/11/2025.

Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

जनसंपर्क/जा.क्र/३९४/२०२५ दि.१५/१०/२०२५

गोदा प्रदूषण टाळा, भविष्य संभाळा.

दै. हिंदुस्थान टाईम्स दि १८/१०/२०२५

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
Ph. (0253) 2575631/32, 2579119 Fax: 2577936
E-Tender Notice No. 03/ 2025-26

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Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

जनसंपर्क/जा.क्र/३९४/२०२५ दि.१५/१०/२०२५

गोदा प्रदूषण टाळा, भविष्य संभाळा.

दिनांक : २४/०९/२०२५

सविनय सादर,

विषय : सार्वजनिक बांधकाम विभागामार्फत करावयाच्या कामांची ई-निविदा नोटीसचे शुद्धीपत्रक प्रसिध्द करणे बाबत.

संदर्भ : १) अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता.
२) सिंहस्थ कामे ई-निविदा सु.क्र.०३ सन २०२५-२६

उपरोक्त संदर्भ क्र.१ अन्वये अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता मिळाल्यानुसार, संदर्भ क्र.२ अन्वये सिंहस्थ अंतर्गत रस्त्यांच कामांची ई-निविदा सु.क्र.०३ सन २०२५-२६ वर्तमान पत्रात प्रसिद्ध करण्यात आली होती. सदर निविदा संच विक्रीचा कालावधी हा दि.२२/०९/२०२५ ते दि.०६/१०/२०२५ असा होता. परंतु तांत्रिक अडचणीमुळे ऑनलाईन निविदा अपलोड करण्यास विलंब झाला आहे. त्यामुळे सदर निविदेचा विक्री कालावधी दि.२५/०९/२०२५ ते दि.१०/१०/२०२५ रोजी पर्यंत वाढविण्यास व तसे शुध्दीपत्रक ऑनलाईन प्रसिध्द करणेस मंजुरी मिळणेस विनंती.

क.लिपीक
(राहुल पोरजे)

कार्यकारी अभियंता (रविंद्र बागुल) | कार्यकारी अभियंता (नवनीत भामरे) | कार्यकारी अभियंता (रविंद्र पाटील) | कार्यकारी अभियंता (संदेश शिंदे) | कार्यकारी अभियंता (प्रशांत पगार)

मा.शहर अभियंता
(संजय अग्रवाल)

मे मान्य करण्यास सरकत नाही.

(प्रदिप चौधरी)
मा.अतिरीक्त आयुक्त सो.

(मनिषा खत्री)
मा.आयुक्त तथा प्रशासक सो.

(१७)

नाशिक महानगरपालिका,नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग
सिंहस्थ कामे ई- निविदा सुचना क्र.०३ चे शुद्दीपत्रक (सन २०२५-२६)

नाशिक महानगरपालिकेच्या सार्वजनिक बांधकाम विभागाच्या खालील नमुद केलेल्या कामा करीता महाराष्ट्र शासन अथवा केंद्र शासनाच्या अथवा निमशासकीय संस्थेकडे योग्य वर्गातील पंजीकृत व काम करण्याचा अनुभव असलेल्या मक्तेदाराकडून ई-टेंडर (ऑनलाईन) निविदा मागवित आहोत.

अ.क्र	कामाचे नाव	प्राकलन र.रु
१)	गंगापूर रोड बारदान फाटा ते सुला चौक (बाह्य वाहनतळ ते अंतर्गत वाहनतळाना जोडणारा/त्र्यंबकरोड जोडरस्ता)	५६,८५,७८,४९७/-
२)	त्र्यंबक रोड पपया नर्सरी सिग्नल ते एक्स.लो. जंक्शन (बाह्य वाहनतळ / रेल्वे स्थानक-त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	७७,३२,७५,३४३/-
३)	एक्सलो चौक ते गरवारे चौकपावेतो (बाह्य वाहनतळ / रेल्वे स्थानक त्र्यंबकरोड मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	७१,९८,७४,७१०/-
४)	वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक त्र्यंबकरोड जोडरस्ता वाहतूक नियोजन)	३१,९९,९९,७४०/-
५)	विहितगाव (लॅम रोड) ते बिटको चौक ते जेलरोड-गोदावरी नदी पर्यंत (घाटाकडे जाणारा रस्ता)	६५,५०,०१,८०३/-
६)	नांदूर पूल ते जत्रा हॉटेल (घाटाकडे जाणारा रस्ता)	७१,२०,०४,८९५/-
७)	लेखा नगर NH३-कलानगर चौक- वडाळागाव रविशंकर मार्ग-विजय ममता चौक (घाटाकडे जाणारा रस्ता / वाहतुक नियोजन)	३८,४९,७५,८१२/-
८)	संगम पूल ते मिर्ची हॉटेल चौक ते अमृतधाम चौक ते गुंजाळ बाबा चौक तारवाला चौक ते मार्केट सिग्नल ते मखमलाबाद रोड (घाटाकडे जाणारा रस्ता / साधुग्राम पोहोच रस्ता)	८३,२६,४७,५०९/-
९)	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	४८,०८,०९,४०७/-
१०)	विजय ममता चौक-टाकळी गाव-संगम पूल (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	२२,१९,८७,६९४/-
११)	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा)	३७,८१,००,०३९/-
१२)	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द पावेतो रस्ता विकसित करणे. (वाहनतळ जोडणारा रस्ता)	४९,३४,६०,३४८/-
१३)	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा ररता / वाहनतळ जोडणारा रस्ता)	५१,०५,१६,७५०/-

अ.क्र	कामाचे नाव	प्राकलन र.रु
१४)	त्र्यंबक रोड आय.टी.आय. सिग्नल ते पिंपळगाव बहुला मनपा हद्द रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता /वाहनतळ जोडणारा रस्ता)	४९,२८,६८,७२७/-
१५)	निमाणी चौक ते मनपा हद्द पावेतोचा दिंडोरी रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता /वाहनतळ जोडणारा)	५९,५६,९९,४६५/-
१६)	पेठ रोड कालवा ते मेहेरधाम पेठ रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	७६,४९,०९,२७३/-
१७)	पुणे रोड- दत्त मंदिर चौक ते सिन्नर फाटा (रेल्वे स्थानक जोड रस्ता)	१७,७४,८१,९८२/-
१८)	जनार्दन स्वामी गठ (छत्रपती संभाजी नगर रोड) ते लक्ष्मी नारायण मंदिरपुल ते ड्रीम सिटी चौक (घाटाकडे जाणारा रस्ता/ साधुग्राम जोडणारा रस्ता)	१४,९९,८५,९३७/-
उपरोक्त नमुद अ.क्र.१ ते१८ चे कामांसाठी निविदा फी र.रु.३६३१/- इतकी राहील		

अटीशर्ती-

१) सविस्तर निविदा नोटीस मा. राज्य शासनाचे संकेत स्थळ (Website) www.mahatenders.gov.in वर प्रसिध्द केली आहे त्याचे अवलोकन करावे.

२) सदर कामासाठी ऑनलाईन निविदा संच विक्री दि.२५/०९/२०२५ ते दि.१०/१०/२०२५ या कालावधी मध्ये केली जाईल.

३) सदर कामासाठी निविदापुर्व बैठक दि. ०१/१०/२०२५ रोजी दु.४.०० वाजता ऑनलाईन पध्दतीने घेण्यात येईल, त्याची लिंक निविदा दस्तामध्ये दिलेली आहे.

४) सदर कामांसाठी ऑनलाईन सादरी करणाची अंतिम मुदत दि.१०/१०/२०२५ रोजी दु.३.०० वाजे पर्यंत राहील.

५) सदर कामासाठी ऑनलाईन सादर केलेल्या निविदा दि.११/१०/२०२५ रोजी दु.३.०० वाजेनंतर (शक्य झाल्यास) कार्यकारी अभियंता (टेंडर सेल) यांचे समक्ष उघडण्यात येतील.

६) कोणतेही कारण न देता निविदा स्विकारणे अथवा नाकारणे याबाबतचे अंतिम अधिकार मा.आयुक्त सो. तथा प्रशासक नाशिक मनपा यांचे राहतील.

Sd xxx/-
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd xxx/-
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

दिनांक : ०९/१०/२०२५

सविनय सादर,

विषय : ई-निविदा सु.क्र.०३ सन २०२५-२६ या कामास मुदतवाढ मिळणे बाबत.

संदर्भ : १) अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता.

२) सिंहस्थ कामे ई-निविदा सु.क्र.०३ सन २०२५-२६

उपरोक्त संदर्भ क्र.१ अन्वये अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता मिळाल्यानुसार, संदर्भ क्र.-२ अन्वये सिंहस्थ अंतर्गत रस्त्यांच कामांची ई-निविदा सु.क्र.०३ सन २०२५-२६ वर्तमान पत्रात प्रसिद्ध करण्यात आली होती. सदर कामाची निविदा सादरीकरणाची अंतीम मुदत ही दि.१०/१०/२०२५ रोजी पावेतो आहे. सदर कामाची ऑनलाईन पध्दतीने निविदापुर्व बैठक दि.०१/१०/२०२५ रोजी घेण्यात आली. सदर बैठक व मक्तेदार यांच्या कडील लेखी मुद्दे यास अनुसरुन Modified Clause नुसार अटी/ शर्ती बाबत CSD Common set of Deviation / Addendum / Corrigendum प्रसिध्द करावयाचे आहे. त्यानंतर मक्तेदार यांना निविदा सादर करण्यासाठी पुरेसा कालावधी मिळावा यासाठी सदर निविदेस मुदतवाढ देणे आवश्यक आहे. त्यामुळे सदर निविदेस दि.१७/१०/२०२५ रोजी पावेतो मुदतवाढ मिळणेस विनंती.

कनिष्ठ लिपीक
(राहुल पोरजे)

कार्यकारी अभियंता (रविंद्र बागुल) | कार्यकारी अभियंता (नवनीत भामरे) | कार्यकारी अभियंता (रविंद्र पाटील) | कार्यकारी अभियंता (संदेश शिंदे) | कार्यकारी अभियंता (प्रशांत पगार)

मा.शहर अभियंता
(संजय अग्रवाल)

(प्रदिप चौधरी)
मा.अतिरीक्त आयुक्त सो.

(मनिषा खत्री)
मा.आयुक्त तथा प्रशासक सो.

मा. कार्यकारी अभिंता निविदा काम : प्रमाणे कार्यवाही करावी.

सा. शहर अभियंता :-

नाशिक महानगरपालिका,नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग

सिंहस्थ कामे- ई- निविदा सुचना क्र.०३ शुध्दीपत्रक-१ (सन २०२५-२६)

नाशिक महानगरपालिका,नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सुचना क्रमांक.०३ (सन २०२५-२६) दिनांक २५/०९ /२०२५ पासुन दिनांक १७/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल.निविदा स्विकृतीची अंतिम दिनांक १७/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सुचना/शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

स्वाक्षरीत/-
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Nashik Municipal Corporation, Nashik
E-Tender Cell Department

Sinhastha Work - E-Tender Notice No.03 Corigendum-1 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the website www.mahatenders.gov.in. from dt.25/09/2025 to 17/10/2025 up to 3.00 pm Last date for acceptance of tender will be dt.17/10 /2025.

Note - All further necessary notices/clarifications will be published on the online website.

Sd/-
Executive Engineer (Tender Cell)
Nashik Municipal Corporation

(2)

नाशिक महानगरपालिका, नाशिक 3

सार्वजनिक बांधकाम विभाग, मुख्यालय

दिनांक 17/10/2025 **रोजीच्या निविदा समितीच्या बैठकीत इतिवृत्त**

विषय :- केटीएचएम पुल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसित करणे.

संदर्भ :- १) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025 व 22/09/2025.

२) निविदा सुचना क्र.03 अनु क्र. 09, (2025-26)

नाशिक येथे सन २०२७ मध्ये होणारा सिंहस्थ कुंभमेळा अनुषंगाने संदर्भ क्र.01 नुसार विषंयाधीन र.रु 48.08 कोटी खर्चाच्या रस्त्यांच्या कामास प्रशासकीय मान्यता मिळालेली आहे. त्यास अनुसरुन संदर्भ क्र.02 नुसार निविदा सुचना प्रसिध्द करण्यात आली त्यांचे विवरण पुढील प्रमाणे.

अ) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025

ब) विषयांधीन रस्त्यांचा कामास शहर अभियंता यांची तांत्रिक मान्यता क्र. 3 दि.11/09/2025

क) निविदा सुचना क्र.03/09 (2025- 26) अन्वये 25/09/2025 ते 10/10/2025 पर्यंत कालावधी होता व निविदा सादर करायची अंतिम तारीख 10/10/2025 निश्चित करण्यात आली.

ड) निविदा पुर्व बैठक दि. 01/10/2025 सी एस डी 10/10/2025

इ) निविदा सादर करावयाची अंतिम मुदत – 10 /10/2025. मुदतवाढ -17/10/ 2025.

फ) दिनांक 10/10/2025 रोजी प्रथम शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ग) दिनांक 13/10/2025 रोजी द्वितीय शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ह) निविदा सादर करावयाच्या अंतिम कालावधीत एकूण प्राप्त निविदा –02

विषयांधीन कामासाठी निविदा सादर करण्याचा विहित कालावधीत फक्त दोन (२) निविदा प्राप्त झाल्या आहेत. या संबधाने दि. 17/10/2025 रोजी निविदा समितीची बैठक मा.अतिरीक्त आयुक्त (२) यांचा अध्यक्षतेखाली पार पडली त्यावेळी मुख्यत्वे ...

अ) शासन निर्णय : महाराष्ट्र शासन ग्रामविकास विभाग दि.23/09/2013 मधील मुद्दा क्र.3 नुसार (2) "ई-निविदा प्रणाली अंतर्गयत तीनपेक्षा कमी निनिदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधीत निविदा प्राधिकारी यांनी निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन 7 दिवसांची मुदतवाढ देण्याची कार्यावाही करावी. (या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात येईल.)

ब) शासन निर्णय: महाराष्ट्र शासन सार्वजनिक बांधकाम विभाग मा.शासन निर्णय क्रमांक सीएसटी/2017/ प्र.क्र.08/इमा -2 दिनांक 27/09/2018 मधील नियम 4.3 नुसार एकच निविदा (Single Tender) बाबत पुढील प्रमाणे कार्यपध्दती विषद केलली आहे. "- - - अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.2 न उघडता तात्काळ फेटाळण्यात याव्यात व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. ---" यामधील तरतुदीवर चर्चा होऊन फक्त दोनच निविदा प्राप्त झाल्या असल्यामुळे कालापव्यय टाळण्यासाठी निविदेस मुदत वाढ म्हणजेच द्वितीय मागणी करण्यात यावी, अशी चर्चा होऊन सदर निविदेस दि.17/10/2025 पासुन दि. 24/10/2025 मुदतवाढ म्हणजेच द्वितीय मागणी सबंधाने प्रसिध्द करण्यास व त्यासाठी मा.आयुक्त सो. यांची मंजुरी घेण्याचा निविदा समितीने निर्णय घेतला.

कार्यकारी अभियंता | कार्यकारी अभियंता | शहर अभियंता

मुख्य लेखा व वित्त अधिकारी | मुख्य लेखापरिक्षक | मा.अतिरिक्त-आयुक्त-२

आयुक्त तथा प्रशासक

नाशिक महानगरपालिका, नाशिक 4

सार्वजनिक बांधकाम विभाग, मुख्यालय

दिनांक 30/10/2025 रोजीच्या निविदा समितीच्या बैठकीत इतिवृत्त

विषय :- केटीएचएम पुल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसित करणे.

संदर्भ :- १) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025 व 22/09/2025.

२) निविदा सुचना क्र.03 अनु क्र. 09, (2025-26)

नाशिक येथे सन २०२७ मध्ये होणारा सिंहस्थ कुंभमेळा अनुषंगाने संदर्भ क्र.01 नुसार विषंयाधीन र.रु 48.08 कोटी खर्चाच्या रस्त्यांच्या कामास प्रशासकीय मान्यता मिळालेली आहे. त्यास अनुसरुन संदर्भ क्र.02 नुसार निविदा सुचना प्रसिध्द करण्यात आली त्यांचे विवरण पुढील प्रमाणे.

अ) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025

ब) विषयांधीन रस्त्यांचा कामास शहर अभियंता यांची तांत्रिक मान्यता क्र. 3 दि.11/09/2025

क) निविदा सुचना क्र.03/09 (2025- 26) अन्वये 25/09/2025 ते 10/10/2025 पर्यंत कालावधी होता व निविदा सादर करायची अंतिम तारीख 10/10/2025 निश्चित करण्यात आली.

ड) निविदा पुर्व बैठक दि. 01/10/2025 सी एस डी 10/10/2025

इ) निविदा सादर करावयाची अंतिम मुदत – 10 /10/2025. मुदतवाढ -17/10/ 2025.

फ) दिनांक 10/10/2025 रोजी प्रथम शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ग) दिनांक 13/10/2025 रोजी द्वितीय शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ह) निविदा सादर करावयाच्या अंतिम कालावधीत एकूण प्राप्त निविदा –02

ज) प्रथम मुदतवाढ / **द्वितीय मागणी निविदा सादर करावयाचा कालावधी दिनांक** 24/10/2025.

ल) प्रथम मुदतवाढ / **द्वितीय मागणी,** निविदा सादर करावयाच्या अंतिम कालावधीत एकूण प्राप्त निविदा 02.

सदर मुदवाढ म्हणजेच द्वितीय मागणीच्या अंतीम मुदतीत देखील फक्त दोनच निविदा प्राप्त झाल्या आहेत. त्यामुळे त्यावर निर्णय घेण्यासाठी दि.30/10/2025 रोजी मा.अति-आयुक्त (२) यांचा अध्यक्षतेखाली निविदा समितीची बैठक पार पडली, त्यावेळी मुख्यत्वे –

अ) शासन निर्णय महाराष्ट्र शासन सार्वजनिक बांधकाम विभाग दि.27/09/2028 मधील मुद्दा क्र.4.4 द्वितीय मागणीच्या वेळी एक किंवा अधिक निविदा प्राप्त झाल्यास त्या उघडुन पुढील कार्यवाही करावी असे शासन निर्देश आहेत.

यास अनुसरुन मा.आयुक्त सो. यांचे मंजुरीने वरील प्रमाणे प्राप्त दोन निविदाचे तांत्रिक लिफाफे उघडुन कार्यवाही करण्याचा निविदा समितीने निर्णय घेतला.

कार्यकारी अभियंता	कार्यकारी अभियंता	शहर अभियंता
मुख्य लेखा व वित्त अधिकारी	मुख्य लेखापरिक्षक	मा.अतिरिक्त आयुक्त-२

आयुक्त तथा प्रशासक

(०९)

(28)

नाशिक महानगरपालिका,नाशिक

सार्वजनिक बांधकाम विभाग,मुख्यालय

दिनांक ०१/११/२०२५रोजीच्या निविदा समितीच्या बैठकिचे इतिवृत्त

संदर्भ - १. मा.आयुक्त सो,यांचेकडीलआदेश जा.क्र./आस्विस/वशि/१५६/२०१६ दि.१०/१०/२०१६
२.निविदा सुचना क्रमांक०३ अ.क्र.०९ सन २०२५-२०२६
३. कार्यकारी अभियंता मध्यवर्ती निविदा कक्ष प्रमुख यांचे दि.०१/११/२०२५रोजीचा निविदा तपासणी अहवाल

उपरोक्त संदर्भ क्र.२ अन्वये निविदा सुचना क्रमांक ०३अन्वये अ.क्र.०९ कामाची निविदा सुचना प्रसिध्द करण्यात आली होती. सदर कामासाठी प्राप्त झालेल्या निविदेतील तांत्रिक कागदपत्रांची पडताळणी कार्यकारीअभियंता, मध्यवर्ती निविदा कक्ष यांनी करुन संदर्भ क्र.०३ अन्वये पडताळणी अहवाल सादर केला आहे. त्यावर निर्णय घेण्यासाठी निविदा समितीची बैठक दिनांक०१/११/२०२५ रोजी सकाळी ११.०० वाजता मा.अतिरिक्तआयुक्त -२ सो,यांचे दालनात संपन्न झाली सदर बैठकिस खालील सदस्य उपस्थित होते.

अ.क्र.	पदनाम	पद
१.	अतिरिक्त आयुक्त-२	अध्यक्ष
२.	शहर अभियंता	सदस्य सचिव
३.	मुख्य लेखा व वित्तअधिकारी	सदस्य
४.	मुख्य लेखापरिक्षक	सदस्य
५.	कार्यकारी अभियंता (सार्व.बांधकाम)	सदस्य

त्यावर सार्वजनिक बांधकाम विभागामार्फत करावयाच्या निविदा सुचनेतील कामासाठी तांत्रिक मान्यता व सक्षम प्राधिकरणाची प्रशासकिय मान्यता घेऊन ई-निविदा प्रसिध्द करुन निविदा देकार मागविण्यात आलेले आहेत. कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांचेकडून प्राप्त निविदांच्या तांत्रिक पडताळणी अहवालानुसार पुढील निर्णय घेण्यात आला.

(26)

निविदा सुचना क्रमांक ०३ अ.क्र.०९

अ.नं	कामाचे नाव	प्राकलन र.रु.	एकुण प्राप्त निविदा
०३/०९	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) विकसीत करणे..	४८,०८,०९,४७०/-	०२

खालील नमुद केलेली कागदपत्रे तांत्रिक लिफाफयात सादर केलेली नसल्याचे निदर्शनास आलेलेअसल्याबाबत कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांच्या अहवालात नमूद केले आहे.

अ.क्र.	मक्तेदाराचे नांव	तांत्रिक लिफाफयात सादर न केलेले कागदपत्रे
१.	Anand Construwell Pvt.	**1.1 Eligibility criteria** 1.1.3. One similar completed works --- Required- Asphalt 16.30 Cr And Concrete 14.47 Cr Submitted – Not fulfilling asphalt work criteria because the amount of work done shall be after 2020-21.
२.	T and T Infra Limited	**1.1 Eligibility criteria** 1.1.3.One similar completed works --- Required- Asphalt 16.30 Cr And Concrete 14.47 Cr Submitted – Not fulfilling concret work criteria because the amount of work done shall be for asphalt and concrete work. 1.a. ii) Concrete Batch mix- Required- 01 ownedWith SCADA Owned- 01SCADA not mentioned 2) Hydraulic Paver Finisher- Required- 01 ownedWith SCADA Owned- 01SCADA not mentioned 4) Mechanical truck- mounted or towed type bituminous pressure sprayer- Required- 01 ownedWith SCADA Submitted – 02 ownedSCADA not mentioned

		7) Truck / Tripper --- Required- 06 ownedWith SCADA Submitted-08 owned SCADA not mentioned 8)Concrete Transit Mixer – Required- 05 owned + 02 hiredWith SCADA Submitted-04 owned + 02 hiredSCADA not mentioned **1.3.A) FINANCIAL TURNOVER** Required – 14.42 cr Submitted- not submitted **2.4.1. Authorized Contractor:** The electrification work shall be carried out only by a Government approved "A" Class Electrical Contractor. Documents not submitted

उपरोक्त नुसार तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण दोन (०२) निविदा प्राप्त झालेल्या असुन एकाही निविदा धारकांचे दस्तऐवज परिपुर्ण नसल्याचे निदर्शनास येत आहे.

शासन निर्णय,क्रमांक: सीएसटी/२०१७/प्र.क्र.०८/इमा-२ दिनांक २७/०९/२०१८ मधील नियम ४.५.२ मधील तरतुदीनुसार निविदा उघडणाऱ्या सक्षम अधिकाऱ्यांनी (कार्यकारी अभियंता/अधीक्षक अभियंता/शहर अभियंता) संबंधीत निविदाधारकास पात्र/अपात्र ठरविण्यापुर्वी त्यांचे बरोबर लिखित स्वरुपात पत्रव्यवहार करावा व कंत्राटदाराकडुन लिखित स्वरुपात स्पष्टीकरण घेऊन ते पडताळावे. किरकोळ व महत्व नसलेल्याअटीमुळे निविदाधारकास अपात्र करण्यात येऊ नये,अशा बाबतीत कंत्राटदारा कडुन लेखी स्पष्टीकरण घ्यावे व अटी नुसार दुरुस्त कागदपत्रे प्राप्त करुन निविदा समिती समोर ठेवुन त्याची छाननी करुन कंत्राटदाराच्या निविदा पात्रता/अपात्रते विषयी निर्णय घ्यावा. याबाबतचे सर्व अभिलेख धारिकेत व संकेतस्थळावर ठेवावे व निविदा स्विकृतीसाठी सादर करण्याच्या प्रस्तावात या सर्व पडताळणी पध्दतीचा स्पष्ट उल्लेख करावा.अशी तरतुदआहे.

विषयांकित कामाचे पात्रतेबाबत दिनांक ०१/११/२०२५ रोजी मा.आयुक्त सो. यांच्या समवेत झालेल्या चर्चेनुसार.निकोप स्पर्धा होणेचे दृष्टीने प्रथमत: वर नमुद यादीतील किरकोळ कारणास्तव अपात्र ठरणा-या निविदाधारकांना प्रथमत: लेखी स्वरुपात पुर्तता करणे बाबत लेखी/संकेतस्थळावरुन कळविणे, व त्यानुसार

अपुर्ण कागदपत्रांची पुर्तता करणेकामी निविदा धारकांना दिनांक ११/११/२०२५ पावेतोची मुदत देऊन त्यानंतर पुढील नियोमोचित कार्यवाही करावी, असे समितीने सुचितकेले.

त्यानुसार सविस्तर चर्चेअंती तांत्रिक कागदपत्रांच्या छाननी अहवालानुसार वरिल कामासाठी पुरेशा प्रमाणात व स्पर्धात्मक दर प्राप्त होण्याच्या दृष्टीने सदर कामासाठी तांत्रिकदृष्टया अपुर्ण कागदपत्रांसाठी प्रथमत: मक्तेदार यांना लेखी पत्र देऊन व ऑनलाईन शॉर्टफॉल देऊन पुर्तता करणेची संधी देणेआवश्यकअसल्यामुळे विभागाने नियमानुसार कार्यवाही करणेच्या सुचना निविदा समितीने दिल्या.

उपरोक्त प्रमाणे बैठकित निर्णय होऊन बैठक संपल्याचे मा.अतिरिक्तआयुक्त-२ यांनी जाहीर केले.

मा.कार्यकारी अभियंता | मा.कार्यकारी अभियंता | मा.शहर अभियंता

मा.मुख्यलेखा व वित्तअधिकारी | मा.मुख्य लेखापरिक्षक | मा.अतिरिक्तआयुक्त -२

मा.आयुक्त तथा प्रशासक सो,

नाशिक महानगरपालिका, नाशिक

सार्वजनिक बांधकाम विभाग, मुख्यालय

दिनांक 12/11/2025 रोजीच्या निविदा समितीच्या बैठकीत इतिवृत्त

विषय :- केटीएचएम पुल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसित करणे.

संदर्भ :- १) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025 व 22/09/2025.

२) निविदा सुचना क्र.03 अनु क्र. 09, (2025-26)

नाशिक येथे सन २०२७ मध्ये होणारा सिंहस्थ कुंभमेळा अनुषंगाने संदर्भ क्र.01 नुसार विषंयाधीन र.रु 48.08 कोटी खर्चाच्या रस्त्यांच्या कामास प्रशासकीय मान्यता मिळालेली आहे. त्यास अनुसरुन संदर्भ क्र.02 नुसार निविदा सुचना प्रसिध्द करण्यात आली त्यांचे विवरण पुढील प्रमाणे.

अ) नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे कडील प्रशासकीय मान्यता दि. 14/09/2025

ब) विषयांधीन रस्त्यांचा कामास शहर अभियंता यांची तांत्रिक मान्यता क्र. 3 दि.11/09/2025

क) निविदा सुचना क्र.03/09 (2025- 26) अन्वये 25/09/2025 ते 10/10/2025 पर्यंत कालावधी होता व निविदा सादर करायची अंतिम तारीख 10/10/2025 निश्चित करण्यात आली.

ड) निविदा पुर्व बैठक दि. 01/10/2025 सी एस डी 10/10/2025

इ) निविदा सादर करावयाची अंतिम मुदत – 10 /10/2025. मुदतवाढ -17/10/ 2025.

फ) दिनांक 10/10/2025 रोजी प्रथम शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ग) दिनांक 13/10/2025 रोजी द्वितीय शुद्धिपत्रक व बदलाचा सर्वसाधारण संच

ह) निविदा सादर करावयाच्या अंतिम कालावधीत एकूण प्राप्त निविदा –02

ज) प्रथम मुदतवाढ / **द्वितीय मागणी निविदा सादर करावयाचा कालावधी दिनांक** 24/10/2025.

ल) प्रथम मुदतवाढ / **द्वितीय मागणी,** निविदा सादर करावयाच्या अंतिम कालावधीत एकूण प्राप्त निविदा 02.

मध्यवर्ती निविदा कक्षा कडुन वरील कामासाठी दि. 11/11/2025 पावेतो शॉर्टफॉल सादर करण्याची मुदत देण्यात आली. विहीत मुदतीत दोन्ही निविदाधारकांनी सादर केलेल्या कागदपत्रांची अंतिम पडताळणी करुन यांचा अहवाल मध्यवर्ती निविदा कक्षाकडुन प्राप्त झाला, तो पुढीलप्रमाणे-

अ.क्र.	मक्तेदाराचे नांव	मध्यवर्ती निविदा समितीचा तपासणी अहवाल
१.	Anand Construwell Pvt.	निविदा धारकाने कागदपत्रे सादर केली. - **पात्र**
२.	T and T Infra Limited	निविदा धारकाने कागदपत्रे सादर केली आहेत, परंतु similar completed works चा Eligibility

		criteria पूर्तता होत नसल्याचे निविदा समितीचा अहवाल आहे. - **अपात्र**

त्यानुसार निर्णय घेण्यासाठी दि. 12/11/2025 रोजी मा.अति-आयुक्त सो.(२) यांचा अध्यक्षतेखाली निविदा समितीची बैठक घेण्यात आली. त्यामध्ये प्राप्त दोन निविदापैकी फक्त एका निविदाधारकांने परिपुर्ण दस्त जोडल्यामुळे फक्त एकच निविदा पात्र होत असल्याने

अ) शासन निर्णय सार्वजनिक बांधकाम विभाग दि.२७/०९/२०१८ मधील मुद्दा क्र.४.३— " --- अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुनःश्च फेरनिविदा मागविण्याची आवश्यकता नाही. ------ दुसऱ्या वेळेस एकच निविदा प्राप्त झाल्यास ती अंदाजित दरापर्यंत स्वीकारण्याचे अधिकार संबंधीत सक्षम समितीस राहतील. ---" व ४.४ नुसार "---- व्दितीय मागणीच्या वेळी १ किंवा अधिक निविदा प्राप्त झाल्यास त्या निविदा उघडून पुढील कार्यवाही करावी."

ब) शासन निर्णय ग्रामविकास विभाग दि.२३/०९/२०१३ मधील मुद्दा क्र.३ यातील तरतुदीनुसार प्रथम मागणीवेळी फक्त निविदा प्राप्त झाल्यामुळे निविदेस मुदतवाढ म्हणजेच द्वितीय मागणी करण्यात आली असल्यामुळे तसेच उपरोक्त " अ " येथील शासन निर्णयातील मुद्दा क्र.४.३ मधील निर्देश दुसऱ्या वेळेस फक्त एकच निविदा प्राप्त झाल्यास तो अंदाजीत दरा पर्यत स्वीकारण्याचे अधिकार संबधीत सक्षम समितीस राहतील असे निर्देश आहे.

यास अनुसरुन मा.आयुक्त सो. यांचा मंजुरीने वरील प्रमाणे पात्र एका निविदाधारकाचा आर्थिक देकार उघडुन कार्यवाही करावी असा निर्णय निविदा समितीने घेतला.

कार्यकारी अभियंता | कार्यकारी अभियंता | शहर अभियंता

मुख्य लेखा व वित्त अधिकारी | मुख्य लेखापरिक्षक | मा.अतिरिक्त आयुक्त-२

आयुक्त तथा प्रशासक

(9)

eProcurement System Government of Maharashtra
Created By: SANDESH SHINDE
Created Date/Time: 12-Nov-2025 01:58 PM
Tender Title: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)
Tender ID: 2025_NMC_1221768_9

Tender Inviting Authority: Executive Engineer

Name of Work: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat ap

Contract No: NMC/E-tender Cell/03/09/2025-26

SCHEDULE OF WORK / ITEM(S)

Sl.No	Bidder Name	Estimated Rate	Quoted Percentage	Quoted Rate in Figures and Words (Iteration 0)		
				Rate	Amount	
1.00	ANAND CONSTRUWELL PVT. LTD. (GSTN-27AAFCA7736H1ZI) BID ID -6903705	401164735.000	-7.290	371919825.819	Thirty Seven Crore Ninteen Lakh Ninteen Thousand Eight Hundred Twenty Five	
Lowest Amount Quoted By: ANAND CONSTRUWELL PVT. LTD.(371919825.819)						

Executive Engineer
E-Tender Cell
Nashik Municipal Corporation, Nashik

BOQ Summary Details

Tender Title: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	ANAND CONSTRUWELL PVT. LTD. (BID ID -6903705)	371919825.819	L1

NASHIK MUNICIPAL CORPORATION::NASHIK
TENDER PROCESS REPORT
AS ON 07.12.2025

(36)

Sno.	Particulars	Amount in Rs.
1	Budgetary Provision (2025-2026)	32775800,000.0
2	Current Estimate	480,809,406.00
3	Royalty Amount	7,435,020.00
4	GST Amount	72,209,652.00
5	Architecture Fee Amount	0.00
6	Net Estimate (2 - (3 + 4 + 5))	401,164,734.00
7	Tender %	7.5000 % BELOW
8	Tender Amount(Excl. Royalty + Final GST + Arch. Fee)	371,077,379.00
9	Royalty Amount	7,435,020.00
10	Final GST Amount	66,793,928
11	Architecture Fee Amount	0.00
12	Final Tender Amt (Incl. Royalty + Final GST + Arch. Fee)	445,306,327.00
13	Outstanding Tender Amount	408,647,614.00
14	Total Outstanding (12 + 13)	853,953,941.00
15	Current Year Payments	0.00
16	Balance Budget (1-(14+15))	31921846,059.00

Junior Engineer

Deputy Engineer

Executive Engineer

City Engineer/Superintdent Engineer/H.O.D

Junior Accountant / Deputy Accountant

Senior Accountant

Deputy C.A.O.

C.A.O.

NASHIK MUNICIPAL CORPORATION::NASHIK
TENDER PROCESS REPORT
AS ON 07.12.2025

35

File/Work Name - Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Nature of the Work-CAPITAL EXPENDITURE **Prabhag No. GNR**
Estimate No.-1820016203 NMC Tender No.-1221768-09 ERP Tender No.-20251293193 Op Date-25.09.2025

Line Item No.- 10

STATUS	A	B	C	D	E	F
Date			12.11.2025	25.09.2025	04.09.2025	11.09.2025
Spill Amount						

Budget/Comp Code 4097 **ERP BUDGET CODE** S420409707

Account Head-

	Approving Body	Approval No.	Approval Date	Approval Amount
Technical Approval	Supretendent Eng[HOD]	03	11.09.2025	480,809,406.00
Admin Approval	GB Resol No	321	04.09.2025	480,809,406.00
Financial Approval				

Contractor No.	Contractor Name	Bidding Amount	1st Negotiation	2nd Negotiation	Final Tender Amount
1100016	ANAND CONSTRUWELL PVT.LTD.	371,919,825.00	371,077,379.00	0.00	445,306,327.00

Contractor Selected for Tender - ANAND CONSTRUWELL PVT.LTD.
PAN- AAFCA7736H **GST- 27AAFCA7736H1ZI**

२)

(३४)

दिनांक : / /२०२५

सविनय सादर,

विषय : के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणे.

संदर्भ : १) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५
२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)
३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे. तसेच नं.NMC/PWD/TS/३/२०२५ दिनांक ११/०९/२०२५ अन्वये मा.शहर अभियंता सो, यांनी तांत्रिक मान्यता दिलेली आहे. तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ अन्वये मा.अधिक्षक अभियंता सो, यांनी तांत्रिक मान्यता दिलेली आहे.

सदर कामाचे सविस्तर प्राकलन अ) स्थापत्य विषयक **र.रु.४६,१४,८६,५८४/-** ब) विद्युत विषयक **र.रु.१,९३,२२,८२३/-** असे जीएसटी, टेस्टींग चार्जेस, रॉयल्टी चार्जेस सह **एकुण.र.रु ४८,०८,०९,४०७ /- (अक्षरी** — अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात मात्र) इतके झालेले आहे.

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अंतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी

अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्रामविकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुनःश्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन आर्थिक देकार उघडण्यात आले आहेत. त्यानुसार **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांची निविदा प्राकलन दरापेक्षा **७.२९० % कमी** दराची तुलनात्मकदृष्ट्या सर्वात कमी दराची प्राप्त झालेली आहे. सोबत अहवाल जोडला आहे.

मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) काँक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे काँक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार प्राकलन दरापेक्षा ७.५० % कमी, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

मक्तेदार यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे. तसेच मक्तेदार यांनी अतिरिक्त सुरक्षा अनामत रक्कमेपोटी बॅक ऑफ बडोदा या बँकेची F.D.No.0997133 दि.२०/११/२०२५ र.रु.४८,१०,०००/- सादर केलेली आहे. सोबत न्युनतम निविदाधारक यांची तांत्रिक कागदपत्रे जोडले आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अ.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७ /-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) पावेतोच्या खर्चास मंजुरी मिळणेस व करारनामा करणेस स्थायी समितीच्या मंजुरीसाठी सोबत डॉकेट तयार करुन जोडले असून मान्य असल्यास त्यावर स्वाक्षरी होणेस विनंती.

(संदेश शिंदे)
कार्यकारी अभियंता (बांध)

(संजय अग्रवाल)
मा. शहर अभियंत

नाशिक महानगरपालिका
लेखा विभाग
आवक क्र.- 2108
दिनांक - 21/11/2024
स्वाक्षरी -

मुख्य लेखा व वित्त अधिकारी

(40)

सिंहस्थ शासन निधी

(41)

विषय:-के.टी.एच.एम.पूल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी,बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा रस्ता) विकसित करणे.

(निविदा र.रु.४४,५३,०६,३२७/-)

(नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडीलदि.१४.०९.२०२५ रोजीच्या प्र.मा. आदेशातील **अ.क्र. १०** चे काम)

सविनय सादर,

१. सद्यस्थितीत नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि. १४.०९.२०२५ रोजीच्या आदेशानुसार प्रशासकीय मान्यता मिळाली असल्याने "सिहंस्थ कुंभमेळा कामे २०२७" संगणक कोड क्र. "४०९७" या लेखाशिर्षातून खर्च करणेकामी कार्यकारी विभागाने आवश्यक ती उचित कार्यवाही करावी.

२.नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि.१४.०९.२०२५ रोजीच्या प्रशासकीय मान्यता आदेशातील नमुद **अ. क्र.१०** नुसार सदर कामास **र.रु. ४८.०८** कोटीच्या खर्चास प्रशासकीय मान्यता देणेत आलेली आहे त्यानुसार प्राप्त प्रशासकीय मान्यतेनुसार शासन निधीतुन कामासाठी उपलब्ध तरतुदीच्या मर्यादेत सदर कामाचा खर्च करण्याची जबाबदारी कार्यकारी विभागाची राहील.

३. कार्यकारी विभागाने नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचेकडील दि.१४.०९.२०२५ रोजीच्या प्रशासकीय गान्यता आदेशातील अटी व शर्ती क्र. १ ते ३० चे पालन करणे आवश्यक राहील.

४. मा.आयुक्त यांचे परिपत्रक जा.क्र./आस्वीस /वशि / ४८७ / २०१९ दि.२४/१२/२०१९,जा.क्र./मनपा/ लेखा /२२०/२०२१ दि. २४/०२/२०२१ व परिपत्रक जा.क्र./आस्वीस/वशि/१११/२०२४ दि.६/६/२०२४ अन्वये कार्यवाही करण्याची करण्याची विभागाने नोंद घ्यावी.

५. सदर कामाची तांत्रिक मान्यता सार्व. बांधकाम विभागाने **र.रु. ४६,१४,८६,५८४/-** व सार्वजनिक आरोग्य अभियांत्रिकी विदयुत व्यवस्थापन विभागाने र.रु.१,९३,२२,८२३/-इतक्या रकमेची सक्षम प्राधिकरणाने प्रमाणित करून दिलेली आहे.

६. विषयांकित कामाचे प्राकलन **र.रु. ४८,०८,०९,४०७/-** निविदा मागविली असता अंतिम मुदतीत ०२ निविदाधारकांनी निविदा सादर केलेल्या होत्या परंतु स्पर्धात्मक दर प्राप्त होण्याच्या दृष्टीने सदर कामास व्दितीय कॉल दिनांक २४.१०.२०२५ पावेतो वाढवुन देण्यात आला होता.सदर अंतिम मुदतीत पुन:श्च दोन निविदा प्राप्त झाल्या होत्या सदर प्राप्त निविदांच्या तांत्रिक कागदपत्रांची छाननी केली असता ०१ निविदा तांत्रिकदृष्टया पात्र ठरली असुन त्यातील L-१ **मे.आनंद कन्स्ट्रुवेल प्रा.लि.,नाशिक यांची** निविदा प्राकलन दरापेक्षा **७.२९०% कमी दराची निविदा दाखल केली आहे सदर निविदा दराबाबत झालेल्या चर्चेनुसार विषयांकित काम निविदा दरापेक्षा ७.५०% कमी दरानेच मंजुर करण्याची मक्तेदाराने विनंती केल्याचे** विभागाने नमुद केले आहे.

७. प्रस्तावित प्रकरणी प्राकलन रक्कमेपेक्षा निविदा रक्कम **७.५०% कमी** असल्याकारणाने बँक ऑफ बडोदा या बँकेची अतिरिक्त सुरक्षा अनामत एफडी नंबर ०९९७१३३ दि.२०.११.२०२५ अन्वये र.रु.४८,१०,०००/- समवेत सादर केलेली आहे.

८. सदर कामाबाबत मक्तेदाराने मुद्रांक शुल्क (stamp duty) भरलेची पावती सादर केल्यानंतरच कार्यादेश देण्याची कार्यवाही विभागाने करावी.

९. निविदा अटी/शर्ती मध्ये केलेल्या कामाचे पूर्वीचे व कामानंतरचे जिओ टॅगिंग फोटो जोडण्यात यावे, देयक अदायगीचे वेळेस फोटो सादर करावे व ते कार्यकारी विभागाच्या उपअभियंता यांनी प्रमाणित करावे.

१०. आगामी अंदाजपत्रकात "सिहंस्थ कुंभमेळा कामे २०२७" संगणक कोड क्र. "४०९७" या लेखाशिर्षामधुन हाती घेण्यात येणाऱ्या कामांचा समावेश करून त्यासाठी मनपा हिस्स्यापोटी येणाऱ्या खर्चासाठी तरतूद करणेची दक्षता कार्यकारी विभागाने घ्यावी.

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११.नाशिक मनपा मार्फत सिंहस्थच्या दृष्टीने विविध प्रशासकीय विभागा अंतर्गत केंद्र व राज्य योजनांमध्ये जसे की अमृत २.० (मलनि:स्सारण व पाणीपुरवठा), UCF इ. अंतर्गत निधी उपलब्ध होण्याच्या अनुषंगाने, महत्वाचे विविध भांडवली कामांचे प्रकल्प हाती घेण्यात आले आहेत. त्यामुळे नाशिक मनपा हिस्साकरीता करावा लागणारा निधी हा म्युनिसिपल बॉण्डद्वारे रु. २००.०० कोटी व ग्रीन बॉण्डद्वारे र.रु. २००.०० कोटी असे एकूण र.रु. ४००.०० कोटी व उर्वरित मनपा स्वनिधी मधून उभारण्याची कार्यवाही सुरु आहे. सदर बॉण्ड उभारणी करतांना विशिष्ठ प्रकल्प हाती घेणे आवश्यक आहे. त्यामुळे सिंहस्थ आराखडा २०२७ च्या अंतर्गत, नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत नाशिक मनपास विविध विकास कामांसाठी प्राप्त होणाऱ्या एकूण निधी हा, सिंहस्थच्या दृष्टीने आवश्यक असलेल्या प्रकल्पांमध्ये नाशिक मनपाने केलेला खर्च हा कामनिहाय हिस्सा न पकडता, एकत्रितरित्या मनपा हिस्सा म्हणून समायोजित करणे आवश्यक आहे याबाबत वरिष्ठ अधिकाऱ्यांचे शासन स्तरावर विचारविनिमय चालू आहे.

उपरोक्त प्रमाणे विभागाने प्रस्तावित व प्रमाणित केल्यानुसार मक्तेदार **मे.आनंद कन्स्ट्रुवेल प्रा.लि.,नाशिक** यांची निविदा प्राकलन दरापेक्षा **७.५०% कमी दराने र.रु.४४,५३,०६,३२७/-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लक्ष सहा हजार तीनशे सत्ताविस मात्र) इतक्या रक्कमेपर्यंत काम करुन घेणेस व करारनामा करणेस महाराष्ट्र महानगरपालिका अधिनियम कलम ७३ (क) अन्वये वित्तीय मान्यता मा.स्थायी समितीची घेण्यास हरकत नाही असे लेखा विभागाचे मत आहे. नस्ती पुढील कार्यवाहीस्तव लेखापरिक्षण विभागास पाठविण्यास सादर.

उप लेखापाल (वैभव अं.मोटकरी)- 12/12/25

प्र.उपमुख्यलेखाधिकारी (साहेबराव मा.पाटील)- 12/12/25

मा.मु.ले.व वित्त अधिकारी सो. (दत्तात्रय ज्ञा.पाथरूट)

मा.मुलेप

नाशिक महानगरपालिका
लेखा विभाग
जावक क्र.- २८०९
दिनांक - १२/१२/२०२५
स्वाक्षरी -

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नाशिक मनपा हद्दीतील केटीएचएम कॉलेज ते जुना गंगापुर नाका ते शरणपुरउ पोलीस चौकी बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणरा रस्ता/साधुग्राम पोहोच रस्ता) साधुग्राम जोडणारा रस्ता विकसीत करणे निविदा दर मान्यतेचा प्रस्ताव आहे.

1	कामाचे नांव	नाशिक मनपा हद्दीतील केटीएचएम कॉलेज ते जुना गंगापुर नाका ते शरणपुरउ पोलीस चौकी बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड ते (घाटाकडे जाणरा रस्ता/साधुग्राम पोहोच रस्ता) साधुग्राम जोडणारा रस्ता विकसीत करणे प्राकलन र. रू. 48,08,09,407/-
2	प्रशासकिय मान्यता	मा. महसभा ठ. क्र. 321 दि. 04/09/2025 अन्वये प्रशासकिय मान्यता
3	तांत्रिक मान्यता	city Engineer
4	लेखाशिर्ष	सिहंस्थ कुंभमेळा 2027 (संगणक कोड 24097)
5	निविदा/दरपत्रक प्रकार	ई निविदा र. रू. 48,08,09,407/-
6	जाहिरात (वृत्तपत्र व दिनांक)	निविदा प्रसिध्द दिनांक 25/09/2025 दै. सकाळ,सामना, नवाकाळ, फ्रिप्रेस व ऑनलाईन
7	निविदा विक्री	दिनांक 25/09/2025 ते 17/1/2025
8	निविदा उघडल्याचा दि.	दिनांक :- 11/11/2025
	प्राप्त निविदा	दोन (2)

1) दिनांक 25/09/2025 रोजीच्या फेर मागविण्यात आलेल्या निविदेत मुदतीत दोन (2) निविदे पैकी शासन निर्णय दिनांक 2017/08/ दिनांक 27/09/2018 मधील 4.3 प्रमाणे पात्र ठरविण्यात आलेल्या एक निविदेपैकी मे. आनंद कनस्ट्रुवेल प्रा.ली. यांची प्राकलन रक्कम रू. 48,08,09,407/-पेक्षा 7.290% कमी वाटाघाटी अंती 7.50% कमी र. रू. 44,53,06,327/- इतकी न्युनतम दराची निविदा प्राप्त झाली आहे.

2) प्राप्त झालेले निविदा दर बाजारभावाशी सुसंगत असल्याचे विभागाने प्रमाणीत करणे आवश्यक आहे.

3) निविदा कमी दराची प्राप्त झाली असल्याने विभागाने कामाच्या गुणवत्ता दर्जा बाबत दक्षात घेण्यात यावी. कमी दराने दर पृथ्थःकरण घेणे आवश्यक आहे.

4) आर्थिक तरतुदी बाबत लेखा व वित्त विभागाने पृष्ठ क्र. टी- वर अभिप्राय दिला आहे.

5) उपलब्ध असलेल्या तरतुदीपेक्षा जादा खर्चाचा प्रस्ताव असल्याने सदर कामास कामास पुरेसा निधी उपलब्ध करण्याची जबाबादारी विभागाची राहिल. आवश्यकता असल्यास सक्षम मान्यता घेण्यात यावी.

6) प्रस्तावित कामाची तांत्रिक व्यवहार्यता, दरांची अचुकता (शासन मान्य नियमांनुसार) अंदाजपत्रकीय तरतुद, राबविण्यात आलेली निविदा पध्दती, निविदेत नमुद करण्यात आलेल्या अटी-शर्ती व निधिची उपलब्धता इत्यादी बाबींची संपुर्ण जबाबदारी विभागाची राहिल.

7) मा. आयुक्त सो. यांचे जा. क्र. /मनपा/लेखा/487/2019 दि. 29/12/2019 व जा. क्र. /मनपा / लेखा / 111 / 2024 दि. 06/06/2024 रोजीच्या आदेशान्वये कार्यावाही अनुसरण्यात यावी.

प्राप्त झालेली मे. आनंद कनस्ट्रुवेल प्रा.ली. यांची प्राकलन रक्कम रू. 48,08,09,407/-पेक्षा 7.290% कमी वाटाघाटी अंती 7.50% कमी र. रू. 44,53,06,327/ इतक्या न्युनतम दराची निविदा सक्षम प्राधिकरणाच्या वितिय मान्यतेने पुढील उचित कार्यवाही करणेस पुढील आदेशार्थ सादर.

व.ले.प. (कृष्णा रामु पडोळ)

उप मु.ले. प.(प.) (किरण धारणकर)

मा.मुख्यलेखापरिक्षक (बी. जे. गायकवाड सो)

सा. सादर

य विषयाधिन कामाचे, उपरोक्त नमुद्ये नुसार निविदाधारक मेसर्स मानंद कन्स्ट्रक्शन प्रा. लि. नाशिक यांचेकडून पुरवण्यात येणारा ७.५०% कमी दराने काम करण्या घेणेस, करारनामा करणेस मा. स्थायी समिती मान्यतेकामी ऑनेट सादर केले आहे. मंजुरीस्तव सादर

Munde

मा. शहर अभियंता यांना

मा. कार्य. उपायुक्त

मा. आयुक्त यांना

दि. 27/01 /2026

विषय- के.टी.एच.एम. पुल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश सर्कल ते चांडक सर्कल ते महामार्ग बस स्थानक (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसित करणे.

संदर्भ- १) कुंभमेळा प्राधिकरण यांचेकडील प्रशासकीय मान्यता दि.14/9/2025, 22/9/2025 .
२) निविदा सुचना क्र. 03/9 (2025-26).
3) कामाचा कार्यारंभ आदेश जा.क्र.साबांवि/डेस्क-8/15 दि.12/12/2025.

नाशिक -त्र्यंबकेश्वर येथे सन 2027 मध्ये होणारा सिंहस्थ कुंभमेळा कालावधीतील वाहतुक नियोजन, वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातून संदर्भ क्र.1 अन्वये विषयाधीन रस्त्याच्या कामाच्या प्रस्तावास कुंभमेळा प्राधिकरणामार्फत प्रशासकीय मान्यता मिळाली आहे. त्यास अनुसरून 48,08,09,407/- रक्कमेच्या कामाची ई-निविदा सुचना क्र.03/9 (2025-26) दिनांक 21/9/2025 अन्वये प्रसिध्द करण्यात आली. निविदा सादर करावयाच्या विहीत कालावधीत प्राप्त निविदांमधून **मे.आनंद कं.प्रा.लि.** यांची सर्वात कमी दराची निविदा असल्यामुळे त्यास अनुसरून मा.स्थायी समिती ठराव क्र.456 दि.12/12/2025 अन्वये झालेल्या मंजुरीस अनुसरून सदर कामासाठी मक्तेदार यांना क्र.15 दि.12/12/2025 अन्वये कार्यारंभ आदेश देण्यात आला आहे.

विषयाधीन कामाच्या संद्यस्थिती संबंधीचा अहवाल खालील प्रमाणे आहे.-

१) तांत्रिक मनुष्यबळ नियुक्तीचा अहवाल अद्याप प्राप्त नाही/ निविदेतील तरतूदीनुसार पुरेसे मनुष्यबळ साईटवर उपलब्ध नाही.
२) कामाचा बार चार्ट, प्लॅनिंग संबंधींची माहिती अर्धवट स्वरुपाची आहे.
३) साईट ऑफिससाठी व त्यामध्ये कोणतीही तांत्रिक माहिती, मनुष्यबळ सुविधा अद्याप नाही.
४) Field Laboratory Laboratory instrument अद्याप झालेले नाही.
५) कामावर वापरण्यात येणारे बांधकाम साहित्य जसे कि- पाईप, मुरूम, खडी, रेती, सिमेंट आदींचे source approval, mix design आदींचा अहवाल अद्याप प्राप्त नाही.
६) वारंवार सूचना करून देखील अद्याप साईटवर युटीलिटी, पावसाळी गटारीचे काम सुरु केलेले नाही.
७) वारंवार सूचना करून देखील अद्याप साईटवर प्रत्यक्षात रस्त्याचे कामास सुरुवात केलेली नाही.

यास्तव मक्तेदार यांना नोटीस बजावण्यात आली आहे, आगामी सिंहस्थ कुंभमेळा दृष्टीकोनातून सदर कामाचा वेग वाढवून तातडीने अनेक कामे एकाचवेळी सुरु केल्याशिवाय सदर काम पूर्ण होणे अशक्य वाटते, आदेशार्थ सादर.

कार्यकारी अभियंता

मा० शहर अभियंता मा०

उपरोक्त विषयाचे अवलोकन केले असता मक्तेदार यांचेवर निविदा अटी शर्ती नुसार कारवाई करणे त्यांचा लेखी खुलासा घेणे आवश्यक आहे.

मा. डेप्युटी इंजिनिअर
प्रदीप चौधरी

नोटिस देऊन मक्तेदाराचा खुलासा करावा. निविदा अटी शर्ती नुसार कार्यवाही करणेस हरकत नाही.

३१/१.

मा. आयुक्त

Intake, Nashik - A-41
आवक क्रमांक :- 30/01/2026
जावक क्रमांक 03/02/2026

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वि-भा-ज-क

नाशिक महानगरपालिका

नाशिक महानगरपालिका, नाशिक

NOTING

कार्यवाही - अनुक्रमणिका

अ.क्र.	तपशील (का)	दिनांक	पा. नं. (का)
1)	Face sheet		1
2)	Division sheet		3
3)	Abstract sheet		P-4 - 18
4)	Area statement		P-19
5)	Measurement sheet		20-51
6)	Abstract - watersupply		52 - 55
7)	Measurement - watersupply		56 - 59
8)	Typical cross section		P-60 to 65
9)	PT sheet		P-66 to P-70
10)	DPR		P-71

महाराष्ट्र शासन
नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण
मध्यवर्ती प्रशासकिय इमारत, नाशिक रोड, नाशिक - 422101
दुरध्वनी क्र. 0253-2461909 **Email- kumbhmela.2027@mah.gov.in**

दिनांक: स्वाक्षरीखाली नमूद आहे.

प्रशासकीय मान्यता आदेश:-

विषय:- नाशिक त्र्यंबकेश्वर सिंहस्थ कुंभमेळ्यासाठी रस्त्यांच्या कामांना प्रशासकीय मान्यता देणे बाबत.

संदर्भ:- 1. नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची बैठक दिनांक 28/07/2025 ठराव क्रमांक 04.
2. या कार्यालयाचे पत्र दिनांक 29/07/2025.
3. शासनाचे पत्र क्रमांक कुंभमे-2025/प्र.क्र.235/ नवि-25 दिनांक 29/08/2025.
4. आयुक्त, नाशिक महानगरपालिका, नाशिक यांचे पत्र क्रमांक जा.क.सावबंवि/डेस्क-8/994/2025 दिनांक 10/07/2025.
5. आयुक्त, नाशिक महानगरपालिका, नाशिक यांचे पत्र क्रमांक जा.क.सावबंवि/डेस्क-8/994/2025 दिनांक 09/09/2025.

वाचा - नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण अधिनियम, 2025 चे कलम 7 (1) (ग).

कार्यान्वयीन यंत्रणा नाशिक महानगरपालिका यांनी विनंती केल्यानुसार नाशिक त्र्यंबकेश्वर सिंहस्थ कुंभमेळा 2027-28 च्या आयोजनासाठीच्या दृष्टीने आवश्यक असणाऱ्या खालील कामांना नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण अधिनियम 2025 चे कलम 7 (1) (ग) नुसार नमूद केलेल्या अटी शर्तीच्या अधीन राहून खालील प्रमाणे प्रशासकीय मान्यता देण्यात येत आहे.

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
1	गंगापूर रोड बारदान फाटा ते सुला चौक (बाह्य वाहनतळ ते अंतर्गत वाहनतळाना जोडणारा/ त्र्यंबकरोड जोडरस्ता)	56.86	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
2	त्र्यंबक रोड पपया नर्सरी सिग्नल ते एक्स.लो. जंक्शन (बाह्य वाहनतळ/ रेल्वे स्थानक- त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता/ वाहतूक नियोजन)	77.33	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
3	एक्सलो चौक ते गरवारे चौकपावेतो (बाह्य वाहनतळ / रेल्वे स्थानक- त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	71.99	मार्च 2027 पर्यंत	नाशिक महानगरपालिका

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
4	वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक- त्र्यंबकरोड जोडरस्ता/ वाहतूक नियोजन)	32.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
5	विहितगाव (लॅम रोड) ते बिटको चौक ते जेलरोड-गोदावरी नदी पर्यंत (घाटाकडे जाणारा रस्ता)	65.50	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
7	नांदूर पूल ते जत्रा हॉटेल (घाटाकडे जाणारा रस्ता)	71.20	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
8	लेखा नगर NH3 -कलानगर चौक -वडाळागाव रविशंकर मार्ग- विजय ममता चौक (घाटाकडे जाणारा रस्ता/ वाहतुक नियोजन)	38.50	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
9	संगम पूल ते मिर्ची हॉटेल चौकते अमृतधाम चौक ते गुंजाळ बाबा चौक तारवाला चौक ते मार्केट सिग्नल ते मखमलाबाद रोड (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	83.26	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
10	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	48.08	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
11	विजय ममता चौक-टाकळी गाव -संगम पूल (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	22.20	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
12	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	37.81	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
13	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द पावेतो रस्ता विकसित करणे. (वाहनतळ जोडणारा रस्ता)	49.35	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
14	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता / वाहनतळ जोडणारा रस्ता)	51.05	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
15	त्र्यंबक रोड आय.टी.आय. सिग्नल ते पिंपळगाव बहुला मनपा हद्द रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता / वाहनतळ जोडणारा रस्ता)	49.29	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
16	निमाणी चौक ते मनपा हद्द पावेतोचा दिंडोरी रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	59.57	मार्च 2027 पर्यंत	नाशिक महानगरपालिका

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
17	पेठ रोड कालवा ते मेहेरधाम पेठ रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	76.49	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
18	पुणे रोड- दत्त मंदिर चौक ते सिन्नर फाटा (रेल्वे स्थानक जोड रस्ता)	17.75	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
19	जनार्दन स्वामी मठ (छ.संभाजी नगर रोड) ते लक्ष्मीनारायण मंदिरपूल ते ड्रीम सिटी चौक (घाटाकडे जाणारा रस्ता/ साधुग्राम जोडणारा रस्ता)	15.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
20	अमृत मिरवणूक मार्ग (जाणारा व परतीचा) देखभाल दुरुस्ती (अमृत मिरवणूक मार्ग)	5.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
21	नवीन प्रस्तावित कपिला संगम घाटाकडे जाणारे पोहोच रस्ते तयार करणे. लक्ष्मी नारायण घाटाकडे जाणारा महत्वाचा रस्ता	2.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
एकूण		930.23		

महाराष्ट्र राज्य पायाभूत सुविधा विकास महामंडळामार्फत नाशिक शहराच्या रिंगरोडचे काम प्रस्तावित आहे. सदरचे काम मंजूर झाल्यास नाशिक मुंबई महामार्ग ते नाशिक पुणे महामार्ग या पट्ट्यातील दोन महामार्गांना जोडणारा, नाशिकच्या विकास आराखड्यात दर्शविलेला रिंगरोड मंजूर होण्याची शक्यता आहे. असा रिंगरोड मंजूर झाल्यास, वर अनुक्रमांक चार वर नमूद वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक- त्र्यंबकरोड जोडरस्ता/ वाहतूक नियोजन) या रस्त्याची कुंभमेळ्याकरिता आवश्यकता राहणार नाही. यामुळे सदरचे काम सुरू करण्यापूर्वी महाराष्ट्र राज्य पायाभूत विकास महामंडळाकडून त्यांचे रिंगरोडचे काम कुंभमेळ्यापूर्वी पूर्ण होणार नाही, याची खात्री करावी आणि त्यानंतरच कार्यारंभ आदेश द्यावा.

अटी व शर्ती:-

१. संबंधित कार्यान्वयीन यंत्रणेला शासनाच्या, संबंधित विभागांच्या आणि इतर सक्षम प्राधिकाऱ्यांच्या (उदा. केंद्रीय सतर्कता आयोग) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचनांचे पालन करावे लागेल.
२. नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण आणि जिल्हास्तरीय सिंहस्थ कुंभमेळा कार्यकारी समिती, नाशिक यांचे मार्फत वेळोवेळी दिलेल्या निर्देशांचे पालन संबंधित कार्यान्वयीन यंत्रणेला करावं लागेल.
३. नाशिक त्र्यंबकेश्वर कुंभमेळा अधिनियम 2025 मधील सर्व तरतूदी या कामाला लागू राहतील.
४. सदर कामावर नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत निर्देशित केल्यानुसार कामाच्या जागेवर माहिती दर्शविणारा फलक लावावा लागेल.
५. सदर काम किंवा त्याचा कोणताही घटक इतर कोणत्याही योजनेत मान्य झाले नाही अथवा करण्यात आले नाही याची खात्री कार्यान्वयीन यंत्रणेने करावी.
६. सदर काम पूर्ण झाल्यावर त्याचा केवळ सार्वजनिक वापर होणार असून कोणत्याही स्वरुपाचा खाजगी वापर होणार नाही याची दक्षता कार्यान्वयीत यंत्रणेने घ्यावी.

७. कार्यान्वयीन यंत्रणा ही सदर कामाचा वापर करणारी आणि देखभाल दुरुस्ती करणारी यंत्रणा नसल्यास, सदर काम पूर्ण झाल्यावर वापर करणारी आणि देखभाल/ दुरुस्ती करणाऱ्या यंत्रणेने काम गुणवत्तापूर्ण झाले आहे किंवा कसे याची खात्री करून ते ताब्यात घ्यावे.

८. खरेदीच्या कामांबाबत शासनाने वेळोवेळी निर्गमित केलेल्या निर्देशांचे पालन करावे. तसेच वस्तुंची अथवा इतर बाबींची खरेदी शासनाच्या GeM पोर्टलवरुन अथवा शासनाच्या इतर मार्गदर्शक सूचनांनुसारच करावी.

९. मंजूर अनुदानापेक्षा (प्रशासकीय मान्यता रकमेपेक्षा) जास्त खर्च करता येणार नाही. तसेच कामाचे भाग पाडून काम करता येणार नाही.

१०. वर दर्शविण्यात आलेली काम पूर्ण करण्याची मुदत ही अंतिम मुदत असून शक्य असल्यास यापेक्षा लवकर काम पूर्ण करण्याचे नियोजन करावे आणि तशी अंमलबजावणी करावी. त्यानुसार निविदा प्रक्रिया राबवावी.

११. सर्व कामांच्या जागांचे कामाचे काम सुरु करण्यापूर्वी कोणतीही जागा सुटणार नाही अशाप्रकारे दिनांक नमूद करून व्हिडिओ शूटिंग करावे आणि जियो स्टॅम्प्ड आणि जियो टॅग्ड फोटो काढावेत. त्याचप्रमाणे प्रत्येक कामाचे जास्तीत जास्त एक महिना किंवा त्यापेक्षा कमी या कालावधीमधे अशा प्रकारचे व्हिडिओ आणि फोटो पुन्हा काढावेत हे सर्व जतन करून ठेवावेत जेणेकरुन याला भविष्यात योग्य त्या संकेतस्थळावर जाहीररित्या प्रदर्शित करता येईल.

१२. नियोजन विभागाच्या दिनांक 09 जून 2025 रोजीच्या शासन निर्णयानुसार प्रत्येक पायाभूत विकास प्रकल्पांसाठी युनिक पायाभूत सुविधा आयडी पोर्टल (Infra ID Portal) कार्यान्वित करणे बाबत दिलेल्या सूचनांचे कार्यान्वयीन यंत्रणेने पालन करावे व त्यानुसार कार्यवाही करावी.

१३. प्रकल्प व्यवस्थापनाच्या दृष्टीने वेळोवेळी दिलेल्या निर्देशानुसार आवश्यक ती माहिती नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाला सादर करावी.

१४. मंजूर करण्यात येत असलेल्या वरील कामांची भविष्यातील देखभाल दुरुस्तीचा खर्च कार्यान्वयीन यंत्रणेने स्वत:च्या निधीतून करावा अथवा हस्तांतरण करुन घेणाऱ्या यंत्रणेने करावे.

१५. सदर कामांचा कोणत्याही उपांगांचे काम इतर कोणत्याही शीर्ष अथवा योजनेतून प्रस्तावित नाही आणि/ किंवा झाले नाही याची खात्री कार्यान्वयीन यंत्रणेने काम सुरु करण्यापूर्वी करावी.

१६. सदर कामांची सक्षम प्राधिकाऱ्याकडून तांत्रिक मान्यता घेणे बंधनकारक आहे.

१७. सदर कामाचे पर्यवेक्षण आणि नियंत्रण संबंधित कार्यान्वयीन यंत्रणेने करावे.

१८. सदर कामाचा दर्जा/ गुणवत्ता आणि वेग तपासण्यासाठी, त्याचप्रमाणे कार्यान्वयीन यंत्रणेच्या कामकाजाचे मूल्यमापन करण्यासाठी त्रयस्थ यंत्रणांमार्फत/ यंत्रणांना वेळोवेळी तपासणी आणि मूल्यमापन करण्यात येईल. यासाठीचा येणारा खर्च या कामाच्या अंदाजपत्रकीय रकमेतून नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत थेट संबंधित यंत्रणांना अदा केला जाईल.

१९. थर्ड पार्टी इन्स्पेक्शन बद्दल आवश्यक ती तरतूद अंदाजपत्रकात करावी.

२०. निविदा प्रक्रियेमध्ये सर्वसाधारण पात्रते (eligibility) संबंधात निकष सर्वसाधारणपणे त्या त्या विभागाचे नेहमीचे जशी असतात त्या पद्धतीने ठेवावे जेणेकरून स्पर्धा चांगली होईल. तथापि दर्जा उत्तम राखण्यासाठी दंडात्मक (penalty च्या) तरतुदी अधिक कठोर करायचे असल्यास तशी मुभा संबंधित विभागाला राहील.

२१. कामे हाती घेताना शासनाच्या संबंधित विभागाच्या / कार्यालयांच्या मार्गदर्शक सूचना विचारात घ्याव्यात (उदा. अग्नीशमन सेवा संचालनालय, वैद्यकीय शिक्षण व संशोधन संचालनालय, इ.). तसेच याबाबत इतर मोठ्या शासकीय व निमशासकीय संस्था (उदा. राज्य शासनाचे संबंधित विभाग, केंद्र शासनाचे संबंधित विभाग, मोठ्या महानगरपालिका/ महामंडळे, इ.) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचना, खरेदी धोरण व निविदांचा देखील अभ्यास निष्पक्षपणे व सखोलपणे करावा. त्याचप्रमाणे या क्षेत्रातील सर्वोत्तम कार्यपद्धतींचा (best practices) चा विचार करावा. तसेच आवश्यकतेनुसार त्या क्षेत्रातील तज्ञ / सल्लागार यांच्या सेवा घ्याव्यात. या प्रकारे पूर्ण काळजी घेवून अशा कामांबाबत/ प्रकल्पांबाबत कार्यवाही करावी. सदरची कामे/ प्रकल्प वेळेत

आणि गुणवत्तेनुसार पार पाडण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेच्या कार्यालय प्रमुखाची राहील याची नोंद घ्यावी.

२२. सदर कामांची प्रस्तावित रक्कम ही कामे पूर्ण करुन ती कुंभमेळ्यासाठी प्रत्यक्षात उपयोगाला येण्याच्या दृष्टीने आणि कार्यान्वित होण्याच्या दृष्टीने परिपूर्ण प्रकारे प्रस्तावित केली आहे, असे गृहीत धरण्यातून ही प्रक्रिया करण्यात येत आहे. उदा. एखाद्या कामासाठी भूसंपादन किंवा तिथे पोहचण्यासाठी अप्रोच रोड किंवा फर्निचर/ विद्युतीकरण ते या कामाचा भाग आहे, असे गृहीत धरण्यात येत आहे. तसेच कामाशी निगडीत नसलेली कामे घेतलेले नाही (उदा. कार्यालयीन गाड्यांचे भाडे) असे गृहीत धरण्यात येत आहे याची नोंद कार्यान्वयीन यंत्रणेने घ्यावी.

२३. सदर कामाचे आवश्यक ते अभिलेखे तयार करण्याची आणि अभिलेख जतन करण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेची राहील.

२४. या कामाबाबत उद्भवणाऱ्या न्यायालयीन, कायदेशीर आणि लेखापरीक्षण विषयक बाबींसाठी संबंधित कार्यान्वयीन यंत्रणा जबाबदार आहे.

२५. काम पूर्ण झाल्यानंतर कामाच्या पूर्णत्वाचा दाखला व कामावर केलेल्या खर्चाचे उपयोगीता प्रमाणपत्र 30 दिवसात सादर करावे.

२६. या कामांवर होणारा खर्चाचा हिशेब स्वतंत्रपणे ठेवण्यात यावा. तसेच कामावर झालेला खर्च वजा जाता शिल्लक रक्कम या कार्यालयाकडे 15 दिवसात वर्ग करावी. कामावर झालेली बचत इतर कामांवर वळती करण्यात येवू नये.

२७. सदर कामासाठी आवश्यक असलेली जागा कायदेशीररित्या ताब्यात घेण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेची राहील.

२८. सदर काम करीत असताना आवश्यक असणाऱ्या केंद्र शासन, राज्य शासन, स्थानिक स्वराज्य संस्था किंवा कोणत्याही प्राधिकाऱ्याच्या आवश्यक असणाऱ्या, कायदेशीर व इतर परवानग्या प्राप्त करून घेण्याची जबाबदारी संबंधित कार्यान्वित यंत्रणेची राहील.

२९. सदरचा प्रशासकीय मान्यतेचा आदेश नगर विकास विभागाच्या मागणी क्र.एफ-2, मुख्य लेखाशिर्ष 2217B357, 191, स्थानिक संस्था, महानगरपालिका, नगरविकास प्राधिकरणे, शहर सुधार मंडळे, इत्यादींना सहाय्य, 31 सहायक अनुदाने (वेतनेतर) (00) (00) (97) सिंहस्थ कुंभमेळ्याचे नियोजन व अंमलबजावणी यावरील खर्चाकरिता सहायक अनुदान (कार्यक्रम) कुंभमेळा निधी संबंधित शीर्षातून देण्यात येत आहे. तथापि शासनस्तरावर किंवा प्राधिकरणात इतर शीर्षातून किंवा योजनेतून सदरचा खर्च करण्याचा निर्णय झाल्यास त्याप्रमाणे निधी उपलब्ध केला जाईल.

३०. नाशिक महानगरपालिकेने कुंभमेळा संबंधित कामांवर त्यांच्या निधीतील किती टक्के वाटा उचलायचा हे ठरलेले नाही. याबाबत शासनस्तरावर होणारा निर्णय महानगरपालिकेला बंधनकारक राहील आणि त्यानुसार तसा वाटा त्यांना उचलणे बंधनकारक राहील.

Signed by
Praveen Nilkanthrao Gedam
Date: 14-09-2025 22:39:39
(डॉ. प्रवीण गेडाम)
अध्यक्ष, नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा,
विभागीय आयुक्त, नाशिक

प्रति,

आयुक्त, नाशिक महानगरपालिका, नाशिक.

CIVIL TECH

Nashik Municipal Corporation, Nashik.

Public Works Department

Facesheet

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking

Sr. No.	Component	Particulars	Length in m	Area in Sq.m	Amount	Rate	Unit
1		Civil Work Total Cost		48298.32	46,14,86,583.83	9,554.92	Sq.m
2		Road Electrical Work			1,93,22,823.00		
		Total cost of Project (Civil+ Electrical)		**48298.32**	**48,08,09,406.83**	**9,954.99**	**Sq.m**
		Total cost of Project in Cr.			**48.08**		

P-1

Nashik Municipal Corporation
Nashik West Division
Public Works Department

Fund Head :-

ESTIMATE Prepared by Jr/Asst/Sec. **Mr. R. M. Pawar**

Deputy Engineer :- **Mr. P.A.Borase**

Executive Engineer :- **Mr. Sandesh Shinde**

Name of Work :- Development of road from, KTHM College Bridge to old Gangapur Naka to Sharanpur police chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (Ghat approch / parking connection)

Estimate Cost :- **46,14,86,584.00**

Note:- The Estimate is prepared on the basis of MJP DSR 2023-2024 & PWD SSR-2022-2023

RPawar
Jr. Engineer
Nashik Municipal Corporation

Dy. Engineer
Nashik Municipal Corporation

Executive Engineer
Nashik Municipal Corporation

Technical Sanction

Bhajy
DE/ ~~Jr.~~ **Engineer (Project)**
Nashik Municipal Corporation

Dy. Engineer (Project)
Nashik Municipal Corporation

Technically Rs. 46,14,86,584/-
In Words ~~Forty six Crore fourteen lakh eighty six thousand~~ five hundred eighty four only

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Vide No.NMC/PWD/ TS / 3 **/2025** **Dt:-** 11 /09/**2025**

APPROVED

CITY ENGINEER
NASHIK MUNICIPAL CORPORATION

CIVIL TECH

Nashik Municipal Corporation, Nashik.
Public Works Department

Facesheet

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Sr. No.	Component	Particulars	Length in m	Area in Sq.m	Amount	Rate	Unit
1	A	Dismantling			15,10,579.39		
2	B	Strom Water / Service line / Utility Duct			3,69,93,285.71		
3	C	Road Work (Construction of Bituminious or Concrete Road Items)			30,94,24,646.94		
4	D	Miscellaneous Items for Reparing Work			38,50,483.69		
5	E	Road Furniture			2,04,14,006.61		
6	F	Providing Public Utilities			72,78,751.20		
7	G	Water Supply			53,17,707.37		
		Civil Work Total Cost		**48298.32**	**38,47,89,460.92**	**7,966.93**	**Sq.m**
		GST 18%	18%		6,92,62,102.97		
		Total Cost with GST		**48298.32**	**45,40,51,563.88**	**9,400.98**	**Sq.m**
		Quality Control Testing Road Works			38,49,655.00		
		Royalty			35,85,364.95		
		Civil Work Total Cost		**48298.32**	**46,14,86,583.83**	**9,554.92**	**Sq.m**
		Total cost of Project in Cr.			**46.15**		

DPR Consultant

Authorized signitory
CivilTech India Pvt, Ltd.

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik.

NASHIK MUNICIPAL
CORPORATION



ABSTRACT

SHEET

CIVIL TECH INDIA PVT LTD

NASHIK MUNICIPAL CORPORATION
ABSTRACT SHEET

CIVIL TECH

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

No	SSR No.	Description	Qty	Rate	Per	Amount
A	Dismantling					
1	1.15	Detailed survey of road in plain country including chaining and levelling with cross sections at every two chains inclusive of closing of survey each day.	4.40	6830.30	Km	30023.27
2	3.1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately. By Mechanical Means etc. complete.	3074.40	451.50	Cum	1388091.60
3	3.11	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately etc. complete.	30.00	1454.30	Cum	43629.00
4	7.25	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable material separately	10.00	389.60	No	3896.00
5	46.09	Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc.	9.32	351.80	Cum	3277.02
6	46.11	Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc.	15.39	399.00	Cum	6140.61
7	46.12	Removing lime or lean cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	10.50	585.90	Cum	6151.95
8	46.13	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	24.50	976.50	Cum	23924.25
9	46.19	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete	44.00	47.30	Sqm	2081.20
10	46.25	Removing wire fencing with iron/ C.C. fencing post and stacking the materials as directed with all leads, lifts etc. complete.	15.00	70.30	Rmt	1054.50
11	51.134	Milling of existing bituminous surface to specified depth of bituminous layer including disposal of removed material with all lift and lead upto 1000 m etc complete. Using machine like Writgen (W100) or equivalent	50.00	46.20	Sqm	2310.00
	A	**Dismantling**		**Total Rs**		**1510579.39**
B	**Strom Water / Service line / Utility Duct**					
12	MJP-1 a	Carrying out detailed/final location survey for drainage schemes with chain and compass, levels, theodolite and other essential instruments including staking of final center line, locating curves, establishing B.M. and taking L section, cross section, fly leveling etc. complete in plain area. Spec. No. : As directed by Engineer in charge	4395.60	2.00	Rmt	8791.20
13	MJP-8	Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-1,4,)				
	a)	Lift upto 0.0 to 1.50 m depth	1826.97	181.50	Cum	331595.06
	b)	Lift upto 1.50 to 3.0 m depth	991.80	198.00	Cum	196376.40
14	MJP-10	Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-3,4,				
		Lift upto 0.0 to 1.50 m depth	997.59	232.10	Cum	231540.36
		Lift upto 1.50 to 3.0 m depth	678.30	248.60	Cum	168625.38
15	MJP-11	Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24,				
	a	Lift upto 0.0 to 1.50 m depth	1128.69	691.90	Cum	780939.78
	b	Lift upto 1.50 to 3.0 m depth	290.70	722.70	Cum	210088.89

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No	SSR No.	Description	Qty	Rate	Per	Amount
16	MJP-12	Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. (MJP,DSR 2023-24,				
	a	Lift upto 0.0 to 1.50 m depth	856.93	1230.90	Cum	1054794.64
	b	Lift upto 1.50 to 3.0 m depth	242.25	1261.70	Cum	305646.83
	c	Lift up to 3.0 to 4.5 m depth	131.10	1292.50	Cum	169446.75
17	MJP-14a	Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation 15cm to 20cm layers including watering and compaction complete.(MJP,DSR 2023-24, Section-E-16)	883.76	96.60	Cum	85371.58
18	MJP-19 B&C	Providing, Lowering & Laying ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar/ spigot & socket joints or rubber ring joints, including all cost of rubber ring joints, excluding GST levied by GOI & GOM in all respect including inspection charges, transport to departmental stores, unloading and stacking etc. complete as per IS-458/1988, lowering & Laying and giving satisfactory Hydraulic testing of the laid pipe line and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by Engineerin- charge (For all class of pipes.) as per IS- 783- 1985. as specified and directed by Engineer in charge etc. complete. (MJP, DSR 2023-24, Sec.-I(VI)RCC Pipes,1d,e,f,2)Page No. 94,95,96				
	b	R.C.C.NP-III Class (MJP, SSR 2023-24,Sec-I-(VI)-1-e,)				
		i) for 150 mm dia	100.00	509.80	Rmt	50980.00
		ii)for 200 mm dia	50.00	581.10	Rmt	29055.00
		iii) for 250 mm dia	50.00	788.60	Rmt	39430.00
		iv)for 300 mm dia	1291.30	1078.00	Rmt	1392017.09
		vii) for 450 mm dia	4944.80	2005.60	Rmt	9917290.88
		ix) for 600 mm dia	100.00	2886.20	Rmt	288620.00
	c	R.C.C.NP-IV Class (MJP, SSR 2023-24,Sec-I-(VI)-1-e,)				
		xii) for 900 mm dia	50.00	5323.00	Rmt	266150.00
		xiii) for 1000 mm dia	50.00	5875.30	Rmt	293765.00
		xiv)for 1200 mm dia	120.00	11138.30	Rmt	1336596.00
19	MJP-21 A1	Providing and constructing on sewer,Fly Ash Brick masonry circular manhole concentric cone 0.9 M dia. at bottom and 0.5 M dia. at top and upto a depth of 1.00 M, with 15cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 1.0 M with 0.23m. thk. BM in CM 1:6 proportion with 12 mm thick inside & 20 mm thick on outer- side plaster with fine cement smooth finish in CM 1:4, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered), 15cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(For both side plaster Use natural sand & For other work VSI(Vertical Shaft Impact) sand finely washed etc.)	176.00	17055.30	No	3001732.80
20	MJP-21 B1	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.2 M dia. at bottom and 0.5 M dia. at top and upto a depth of 2.00 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.00 M with 0.23 M thick in CM 1:4 proportion excluding excavation with 12 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),.15cm thk C.C.1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.(MJP, SSR 2023-24, SEC-I(XX)-6,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	148.00	30138.60	No	4460512.80

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No	SSR No.	Description	Qty	Rate	Per	Amount
21	MJP-21 C1	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.5 M dia. at bottom and 0.5 M dia. at top and upto a depth of 5.0 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.0M with 0.23m thk & 3.0 M depth of Vertical Cylinder with 0.35 M thick Fly Ash Brick masonry in CM 1:4 proportion with 20 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:2, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),,15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.(MJP, SSR 2023-24, SEC-I(XX)-7,)(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	30.00	82847.30	No	2485419.00
22	MJP-21 F1	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole with concentric cone 1.80 M dia. at bottom and 0.5 M dia. at top and upto a depth of 9.0 M with 25 cm thick CC 1:2:4 bed concrete,& Fly Ash Brick masonry with 23 cm brick work in conical shape upto depth of 2.50 M from top and balance in cylindrical shape 35 cm thick brick work for depth of 2.35 M depth upto 5.0 M, with M:20 Concrete for RCC Beam size of 350x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 350mm thk. brick work, and 45 cm thick brick work 3.85m.for remaining depth upto 9.00 M with M:20 Concrete for RCC Beam size of 450x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 450mm thk. brick work, in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3 proportion excluding excavation, including foundation concrete 250 mm thick and haunches and channels in c.c.1:2:4 proportion, finishing channels in smooth rendering, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical. (Staggered),, 15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	5.00	273164.60	No	1365823.00
23	MJP-21 S1	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 450 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 450 mm etc. complete as directed by Engineer-in-charge. (MJP, SSR 2023-24,Sec-I(XX)-3-A,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	16.00	10326.40	No	165222.40
24	MJP-21 T1	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 900 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 900 mm etc. complete as directed by Engineer-in-charge.As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	298.00	16803.50	No	5007443.00
25	MJP-22 a1	Constructing additional depth/ Rebate for Manhole of 900mm Dia. & above/below 1000 mm. depth to cover variations with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered) As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	44.00	12238.90	Rmt	538511.60
26	MJP-22 b1	Constructing additional depth or Manhole of 1200mm Dia. & above / Rebate 2000 mm. depth with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered). (MJP, SSR 2023-24, Sec-I(XX)-6-a.) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	37.00	7549.90	Rmt	279346.30

No	SSR No.	Description	Qty	Rate	Per	Amount
27	MJP-22 c 1	Constructing additional / Rebate depth for Manhole of 1500mm Dia. & below 5000 mm. depth with 350mm.thick Fly Ash Brick masonry work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 202-24, Sec-I(XX)-7-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	7.50	16411.90	Rmt	123089.25
28	MJP-22 f 1	Constructing additional / Rebate depth for Manhole of 1800mm Dia. & below 9000 mm. depth with 450mm.thick Fly Ash Brick masonry work up to 2.50m in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered),As per Rate Analysis. (For both side plaster Use natural sand & For other work VSI sand finely washed etc.)	1.25	35216.60	Rmt	44020.75
29	MJP-22 s 1	Constructing additional depth or Manhole of 450x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work.in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3. (MJP, SSR 2023-24, Sec-I(XX)-3-A-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	4.00	5208.70	Rmt	20834.80
30	MJP-22 t 1	Constructing additional depth or Manhole of 900x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	74.50	13415.60	Rmt	999462.20
31	MJP-37	Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP, SSR 2023-24, Sec	5358.25	96.60	Cum	517606.51
32	MJP-32	Providing and fixing in position steel fiber reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20				
		(MJP, SSR 2023-24, Sec-I(XX)-17,)				
		i) 540 Dia.	5.00	3665.60	No	18328.00
		ii) 560 Dia.	88.00	4797.50	No	422180.00
		iii) 90x45 cm	10.00	3665.60	No	36656.00
		iv) 90x60 cm	19.00	3973.20	No	75490.80
		v) 60 x 60 cm	10.00	3628.80	No	36288.00
		vi) 60 x 45 cm	3.00	3144.80	No	9434.40
33	MJP-34	Cleaning or Desilting B.B.M. of various dia chamber on sewer including removing matarial upto a distance of 50.0M for all lifts as directed by Engineer-in-charge.etc. complete	13.50	234.20	Cum	3161.70
34	MJP-35	Cleaning the R.C.C. choked up pipes of diameter from 200 mm to 450 mm including removing matarial upto adistance of 50.0M for all lifts as directed by Engineer-in-charge.	499.30	54.50	Rmt	27211.58
35	MJP-36	Cleaning the R.C.C. choked up pipes by using **bucket machine and rodding machine** including removing matarial upto adistance of 50.0M for all lifts in different places during cleaning operation all labour and safety precaution should be taken by maintainance contractor himself (i.e. suitable gas masks, gas detection driving prompt etc.) during cleaning operation in any damages done by the contractor shall be repaired by the contractor with his own cost. To clean the existing drain line bucket and rodding machine will not be given by department & if machinary provided by department charges will recovered from bill. Diversion of sewerage water any necessary excavation if necessary should be done by the contractor at his cost during the work necessary action for cleaning line traffic permission and proper precautions should be taken by contractorafter completion of a cleaning operation by contractor has to test the line in precence of enginreer- in- charge. (As per Rate Analysis)				
	a)	For 200mm to 600mm dia RCC drain line	300.00	158.70	Rmt	47610.00
	b)	For above 600mm to 1000mm dia RCC drain line	300.00	238.10	Rmt	71430.00
	c)	For above 1000mm dia RCC drain line	250.00	317.40	Rmt	79350.00
	B	**Strom Water / Service line**		**Total Rs**		**36993285.71**
C	**Road Work (Construction of Bituminious or Concrete Road Items)**					
36	2.11	Excavation for roadway in earth. soil of all sorts. sand. gravel or soft murum including dressing section to the required grade. camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	43111.40	125.00	Cum	5388925.13
37	2.13	Excavation for roadway in hard murum and boulder including dressing section to the required grade. camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed	10726.82	145.90	Cum	1565042.75

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No	SSR No.	Description	Qty	Rate	Per	Amount
38	2.14	Excavation for roadway in soft rock, including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. And spreading or stacking as directed.	862.23	185.80	Cum	160201.97
39	2.16	Excavation for roadway in hard rock by wedging and chiselling or line drilling including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	431.11	1490.00	Cum	642359.87
40	2.18	Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils.	10.00	125.00	Cum	1250.00
41	C-483	Conveying materials obtained from road cutting upto lead of 5 .00 km including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section from the site of excava-tion to the site of deposition as directed .	55131.56	264.80	Cum	14598837.36
42	2.27	Providing Earth work in embankment with approved material ob-tained from Govt. land with 50 m lead, by using laying in lay-ers, breaking clods, dressing to required lines curves grade, and section watering and compaction complete. (a) 95% proctor densi-ty. Spec.No. : M.O.S.T. 1995 Cl.No.305	50.00	236.30	Cum	11815.00
43	2.28	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)	300.00	1263.20	Cum	3,78,960.00
44	2.29a	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. Sp. No. Rd. 23 P.No. 202	16090.23	925.10	Cum	14885069.00
45	2.3	Spreading hard murum for side width etc. complete	16090.23	83.00	Cum	1335488.84
46	2.31	Compacting the hard murum side widths including laying in layers on each side with power roller including artificial watering etc. complete.	53634.09	22.10	Sqm	1185313.39
47	3.01	Construction of granular subbase by providing close graded Material,mixing in a mechanical mixplant at OMC,carriage of mixed Material to work site, spreading in uniform layers with motor grader/Paver on prepared surface and compacting with vibratory roller to achieve the desired density,complete as per clause 401 -- Plant Mix Method and Grading - I Material	10096.34	2740.50	Cum	27669014.29
48	3.18	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading I (Using Screening Type A (13.2) mm Aggregate)	2211.12	3059.60	Cum	6765142.75
49	3.2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading II (Using Screening Type B (11.2 mm) Aggregate)	1105.56	3005.60	Cum	3322871.14
50	3.23	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site. laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.	3929.12	2765.50	Cum	10865988.27

No	SSR No.	Description	Qty	Rate	Per	Amount
51	14.58	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely washed etc)	2211.12	6924.80	Cum	15311563.78
52	5.13	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, , cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant/ Weigh batch mixer, transported to site with all leads and lifts, laid with a paver with electronic sensor /by suitable means as approved by Engineer-in-charge , compacting with vibratory roller, finishing, curing and including preparation of sub-grade surface if required etc. complete. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	3476.52	4492.00	Cum	15616527.84
53	25.50	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneissmetal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc.complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc. complete.Withfine aggregate (Crushed sand VSI Grade)	10.00	13505.60	Cum	135056.00
54	26.33	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	0.50	94188.10	MT	47094.05
55	5.19	Providing and laying 125 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete.	23176.80	31.50	Sqm	730069.20
56	5.06	Providing and laying in-situ M40 Grade un-reinforced plain cement concrete pavement over a prepared sub base with 43 grade cement , coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound /by providing cement vata in cement Mortar 1:8 @0.6m X 0.6m centre to centre, admeasuring 80 mm at bottom and 40 mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	6489.50	8974.80	Cum	58242000.50
57	5.14	Providing and fixing in position TMT FE 500, 32 mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 60 cms. Long and at 30.00 cm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT FE 500, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete	15680.00	564.90	Nos	8857632.00

No	SSR No.	Description	Qty	Rate	Per	Amount
58	5.16	Providing and fixing in position TMT FE 500, tie bars precoated with anticorrosive epoxy paint of 12mm dia. 70cms.long and at 30.00 cm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length,necessary cutting, handling, straightening, supported by assembly of TMTFE500, chairs with proper alignment etc. complete	5760.00	321.30	Nos	1850688.00
59	5.17	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm. .in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.	7520.00	79.80	Rmt	600096.00
60	5.18	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (appraox. 25% larger than the initial 3 mOne Metric Tonneo 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8 mm.wide)	7520.00	326.60	Rmt	2456032.00
61	14.33	Providing expansion joints with 25mm thick bituminous pad as per detailed drawings etc. complete.	640.92	1140.30	Sqm	730841.08
62	7.03	Providing and casting insitu or precast tapering R.C.C.M-20 Mountable type Kerb without gutter (asper IRC861983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2 including the required excavation in any strataand removing the excavated stuff anywhere incity and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant	200.00	516.60	Rmt	103320.00
63	R.A.	P/L and fixing precast Cement concrete M-20 grade kerb stone of following sizes grade concrete including manufacturing, supplying to the site, fixing in position, with prepared bed of,packing by surrounding pcc upto 100 mm ht with M-10 PCC 80mm thick, filling joints with cement, coloring with one coat primer & flat oil paint in two coats as per directed by engineer in charge etc complete (As per R.A.)				
	a	Size- Length 300 mm, Height 750mm, Top Width 125 mm, Bottom width 200 mm, Chamfer Height 300 mm	7258.00	1618.50	Rmt	11747073.00
	b	Size- Length 400 mm, Height 450mm, Width 125mm, Chamfer Height 450 mm	50.00	788.00	Rmt	39400.00
64	33.51	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	250.00	978.60	Sqm	244650.00
65	33.52	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	14740.80	1238.00	Sqm	18249110.40
66	3.35	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing WBM surface including picking the road metalled surface, thoroughly cleaning the WBM surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum./Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	500.00	362.60	Sqm	181300.00



NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

CIVIL TECH

No	SSR No.	Description	Qty	Rate	Per	Amount
67	3.36	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing BT surface including picking the road metalled surface, thoroughly cleaning the BT surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum,/Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	500.00	361.20	Sqm	180600.00
68		Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 5 kg/10 sqm. (VG 30 bulk bitumen rates are considered to arrive at rates) Spec.Rd.47.3.3 Page No. 224	144894.96	33.60	Sqm	4868470.66
69	3.29	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 10.0 kg/sqm using mechanical means.	15716.49	60.80	Sqm	955562.59
70	3.40	BITUMINOUS MACADAM 3.00 % : Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.00 % using specified grade of Bitumen. -- USING batch Mix type hot mix plant with SCADA, Sensor Paver, vibratory roller. (VG30 bulk bitumen rates are considered to arrive at rates)	165.00	8496.20	Cum	1401873.00
71	3.41	BITUMINOUS MACADAM 3.50 %: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	1928.21	9095.60	Cum	17538220.55
72	3.44	DENSE BITUMINOUS MACADAM 4.50%: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 4.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	2897.90	11105.50	Cum	32182619.57
73	3.49	BITUMINOUS CONCRETE 6.25 %:- Providing and laying bituminous concrete using crushed aggregates of grading 2, premixed with bituminous binder @ 6.25 per cent by weight of total mix and filler, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for30/40 mm compacted thickness with VG-30 Bitumen.Excluding prime / tack coat. For Bitumen VG-30 bulk -- USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V-Sat attachment with Stone Dust filler Spec No.: MOST 1995 Cl.No.511	2026.43	13468.80	Cum	27293618.10

No	SSR No.	Description	Qty	Rate	Per	Amount
74	51.178 (SSR)	Providing and laying White Topping as per IRC-SP 76-2015 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DLC to correct surface profile and to be paid separately) with unreinforced M-40 grade Pavement Quality Concrete using Ordinary Portland Cement (OPC 43/OPC 53-Grade) at 357kg/cum (Replacement of Fly Ash is not Allowed) coarse aggregate, fine aggregate and Admixture confirming to IS 9130-1999 (R-2004) polymeric synthetic fibre as per ASTM (1116) such as polyester / polyethylene / polypropylene / Glass fibre at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth covered over concrete surface, groove cutting grid 1m x 1m to a depth of 1/3 of the Thickness and of width 3-5 mm as per design including cost of all material, side form work, sealing joints labour and HOM of machineries etc. complete as per specifications..	0.00	8418.35	cum	0.00
75	50.47 (SSR)	Organosilance Nanotechnology for Bituminous organosilance nanotechnology such as Zycotherm added in the bitumen binder @ 0.1% dosage to the weight of the bitumen at HMA plant to schive chemical bonding, complete coating and consistant compaction in various bituminous mixes such as BM/ DBM/ Carpet/ sealcoat/ MSS/SDBC etc. as per the direction of Engineer-in-charge with prior approval of concerned Superitending Engineer.	738.06	1470.00	kg	1084948.88
	C	**Road Work**		**Total Rs**		**309424646.94**
D	**Miscellaneous Items for Reparing Work**					
76		Providing and fixing on walls/ ceiling/ floor mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.				
	42.55	15 mm	400.00	279.30	Rmt	111720.00
	42.57	25 mm	200.00	393.80	Rmt	78760.00
	42.58	32 mm	100.00	452.60	Rmt	45260.00
	42.59	40 mm	75.00	566.00	Rmt	42450.00
	42.60	50mm	200.00	778.00	Rmt	155600.00
77	42.72	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete.	90.00	1310.40	No	117936.00
78	42.77	Providing and making ISI Mark ferrule connection of 50mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete	50.00	9391.20	No	469560.00
79		Providing , laying and fixing jointing Eco- drain mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.				
	43.30	110mm	240.00	343.40	Rmt	82416.00
	43.31	160mm	180.00	533.40	Rmt	96012.00
80	27.12	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. Complete	42.78	7917.10	Cum	338693.54
	28.09	Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in external walls of plinth including bailing out water manually , striking joints inside and raking out joints from outside and watering etc.complete	37.80	13152.80	Cum	497175.84
82	28.01	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un. exposed faces and watering etc.complete.	38.76	6140.90	Cum	238021.28
83	26.23	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying, pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	1.04	8172.60	Cum	8458.64



No	SSR No.	Description	Qty	Rate	Per	Amount
84	32.07	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.	78.00	438.30	Sqm	34187.40
85	32.11	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	39.00	722.00	Sqm	28158.00
86	35.21	Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.	2760.00	37.80	Sqm	104328.00
87	35.26	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary	200.00	309.80	Sqm	61960.00
88	35.09	Providing and applying two coats of flat oil paint of approved colour to the old structural steel work and iron work previously painted in building including scaffolding, if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.	250.00	89.30	Sqm	22325.00
89	35.11	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat	2760.00	92.40	Sqm	255024.00
90	33.24	Providing and laying matt finish ceramic tiles of having size 30 cm x 30 cm confirming to .S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete.	24.00	1251.90	Sqm	30045.60
91	40.05	Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentiDeleted ire 0.75 mm dia) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc.	20.00	962.90	Rmt	19258.00
92	7.09	Providing and fixing Guard Railing of 1000mm height as per Type D Drg. No. 15 dt. 20-4-79, and fixed in 40 x 40 x 6mm iron, angle embedded in 1:2:4 cement concrete bedding patti as per detailed drawing, with 3 coats of approved of yellow and black paint.	20.00	2936.80	Rmt	58736.00
93	14.49	Providing railing of cast in situ R.C.C posts with (M-20) cement concrete trap / granite / quartzite / gneiss metal size 150 mm x 150 mm x 1.240 mm and horizantal 3 nos. at distance 370 mm C/C and bottom bar 150 mm above kerb as per the detailed drawings (including cost of reinforcement) scaffolding,steel centering, plywood/steel formwork etc. complete. The C.M. 1:3 plaster is considered for renderinguneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering/formwork will not be allowed).	20.00	2623.90	Rmt	52478.00
94	11.25	Providing and laying in situ / ready mix M20 cement concrete of trap /granite /quartzite /gneiss metal for approach slab including compacting, finishing, curing etc. complete. (excluding reinforcement) (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand. cement6.40 bags/cumt)	50.00	8236.30	Cum	411815.00
95	23.01	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	2.25	106936.20	MT	240606.45
96	21.38	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	10.00	2049.00	Cum	20490.00

No	SSR No.	Description	Qty	Rate	Per	Amount
97	5.01	Providing and laying in-situ M30 Grade unreinforced plain cement concrete pavement over a prepared subbas with 43 grade cement ,coarse and fine aggregate (natural sand/VSI grade finely washed crushed sand) conforming to IS383, using fine and coarse aggregates combined gradation asper Table 600-3 of MORTH Specification 2013, mixed in a batching and mixing plant/non tilting mixer and Weigh batcher as per approved mix design,admixtures, transporting to suring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automaticmicro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	18.00	8584.20	Cum	154515.60
98	33.68	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete	5.00	4616.10	Sqm	23080.50
99	46.39	Providing and erectingc hain link fencing1.6M. height with G.I.chain link of size 50 x50mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S.Angles of 40x40x6 mm size, includind excavating pits for foundation and embedded in C.C.block of 1:4:8 mix of size 450x450x670 mm. at 1.75M. c/c with iron bar 16mmdia as hold fast including welding link with angle frame at 30cmc/c withnuts and bolts and horizontal M.S. Angles at top and bottom of 25x25x5 mm size and vertical M.S. flat 35x5mm and 25x5 mm horizontal including cross support of 40x40x6mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450x450x670 mm including 3 coats of oil painting etc. complete.	8.67	2728.00	Rmt	23656.34
100	44.10	Providing and fixing mild steel grill gate with angle iron frame 65mmx65mmx10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/ Smt.	5.00	3349.50	Sqm	16747.50
101	40.01	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One SquareMetre as per drawing including fixtures, necessary weldingand painting with onecoats of anticorrosivepaint and twocoatsof oil painting complete.	5.00	2201.80	Sqm	11009.00
	D	**Miscellaneous Items for Reparing Work**		**Total Rs**		**3850483.69**
E	**Road Furniture**					
102	6.12	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	4876.92	699.30	Sqm	3410430.16
103	6.09	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97.DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks. (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside. without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel. to the Engineer.	37165.20	384.30	No	14282586.36

No	SSR No.	Description	Qty	Rate	Per	Amount
104	6.17 (From SSR 2020-2021)	Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retroreflectance of the reflecting panel, to the Engineer.	400.00	4189.50	No	1675800.00
105	6.10	Providing and Fixing of Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm, the body structure shall be rounded at its acute angle, all the corners and edges. The plastic used for molding the Median Marker shall have a minimum Notched Izod Impact strength value of 600 J/m at room temperature, when tested in accordance with ASTM D256 and shall retain at least 70% of this value when subjected to accelerated weathering for 1000hrs as per ASTM G155 or UL746C. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have rectangular-shaped, fluorescent yellow color retro- reflective sheeting of size not less than 8.5cm*8.5cm and with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2010 and ASTM D4956 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Median Marker shall be fixed by a combination of epoxy adhesive and grouting.	15.00	480.90	No	7213.50
106	6.15	Road Delineators: Supplying and installation of delineators (Roadway Indicators, Hazard markers, Object markers) 80 to 100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80x100mm rectangular or 75mm dia. Circular reflectorised panels at the top, buried or pressed into the ground and confirming to I.R.C. 79 and the drawings	20.00	863.10	No	17262.00
107	6.16	Providing and fixing steel pipe delineators of 10 cm. in diameter and total height of 130 cm, provided with 2 strips of white retroreflective sheeting of size 5 cm. x 32.5 cm. each fixed horizontally and 2 strips of red retroreflective sheeting each having size 5 cm. x 32.5 cm. fixed horizontally at top, with M.S. round cap having diameter 11 cm. and wire mesh at top (10 guage thick) and height of wire mesh 15 cm, M.S. hold fast 6 mm thick with 35 cm. in length, fixing the delineators in C.C. 1:4:8 concrete block of size 25 cm. x 25 cm. x 45 cm. with necessary excavation etc. complete.	20.00	1056.30	No	21126.00
108	6.28	Providing and fixing Mandatory/Regulatory sign boards in circular shape of____ mm dia made out of ____aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground. border and back side retoreflctive symbols, letters, numerals. arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc: fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc: complete. Class C (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.				
	b	600 mm dia made out of 3mm aluminum composite material	10.00	5665.80	No	56658.00
	d	750 mm dia made out of 4mm aluminum composite material	10.00	7519.10	No	75191.00

No	SSR No.	Description	Qty	Rate	Per	Amount
109	6.30	Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of ___mm made out of____ mm aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. ClassC (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier				
	b	600 mm made out of 3mm aluminum composite material	5.00	4524.40	No	22622.00
	d	750 mm made out of 4mm aluminum composite material	5.00	5205.90	No	26029.50
	f	900 mm made out of 4mm aluminum composite material	5.00	6647.60	No	33238.00
110	6.33	Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area less than 0.9 One Square Meterr made out of ____mm aluminum sheet bonded with white retro reflective sheeting of Class __ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on one no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post/ supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the				
	d	4mm aluminum composite material Class C	8.10	13891.50	Sqm	112521.15
111	6.34	Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 square meter made out of__aluminum sheet bonded with white retro reflective sheeting of Class ____ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued				
	d	4mm aluminum composite material Class C	8.10	16722.30	Sqm	135450.63



NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

CIVIL TECH

No	SSR No.	Description	Qty	Rate	Per	Amount
112	6.35	Providing and erecting Overhead signs made out of __aluminum sheet bonded with white retro reflective sheeting of Class ___(Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012, with designed back support frame of mild steel angle with vertical and lateral clearance given in clause 801 and 802, duly painted on back side with two coats of grey stove enamel paint and installed as per clause 802.6 over a designed support system of structural steel work trestles and trusses of sections and type as per structural design requirements and approved plans including painting with one coat of epoxy primer and two coats of epoxy finish paint.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in				
	d	4mm aluminum composite material Class C	8.10	10839.10	Sqm	87796.71
113	7.30	Metal Beam Crash Barrier- -Type A,W: Metal Beam Crash Barrier (Providing and erecting a W metal beam crash barrier comprising of 3mm thick corrugated sheet metal beam rail, 70 cm above road/ ground level, fixed on ISMC serieschannel vertical post,150x75x5mm spaced 2m centre to centre, 1.8m high, 1.1m below ground/ road level, all steel part sand fitments to be galvanised by hot dipprocess, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section150x75x5 mm, 330 mm long complete as per clause 810)""	75.00	5157.60	Rmt	386820.00
114	7.21	Providing and Constructing gabion structure 1Meter hight or required section made up of soft mechanically woven hexagonal shapedG.I. wire confirming to IS 16014:2012 having zinc plus PVC coating of overall diameterof 3.7mm and tying lacing wire of 3.2 mm with edge wire confirming to overall diameter 4.4 mm edges being mechanically selvedge including placing in position, fitting neatly with trap stone rubble (15 to 23 cm) all loose ends to be securely tied (Excluding transportation) etc. complete .(In Dry condition and for under water installation extra cost to be considered)	12.00	5271.80	cum	63261.60
	E	**Road Furniture**		**Total Rs**		**20414006.61**
F	**Providing Public Utilities**					
115	**51.44**	Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish.	14.00	**18958.80**	No	265423.20
116	49.28	Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)	320.00	21916.65	No	7013328.00
	F	**Providing Public Utilities**		**Total Rs**		**7278751.20**
	G	**Water Sup|ply**				**5317707.37**
		Total Rs	**A+B+C+D+E+F+G**			**38,47,89,460.92**
			Add GST	18%	Rs	69262102.97
		Total Rs With GST Road work				**45,40,51,563.88**
117		Royalty charges for murum dubber should be paid by the contractor regularly to the government and contractor should produce delivery challon, payment receipt, pakka bill etc. complete alongwith every R.A. bill \ final bill as applicable.(It is entirely responsibility of contractor to pay Royalty charges to the Government)				
	A	for murum / Rubble /	16581.54	216.18	Cum	3584596.58
	B	for sand	3.24	237.37	Cum	768.37
				Total Rs		**3585364.95**
				Total Rs. With GST and Royalty	Rs	45,76,36,928.83
				Say Rs		45,76,36,929.00

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

NASHIK MUNICIPAL
CORPORATION



AREA
STATEMENT

CIVIL TECH INDIA PVT. LTD.

ent

howki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

width		Proposed road area		Widening		Divider		Divider Area	Pavered foothpath				Strom water line	
h	New PQC AREA	White Toping Area	Area Asphalting	For Widening Width	Total Widening Area	width	length		Width	Nos.	Length	Total Paverblock area for both side	No.	Length
			0.00	0.00	0	0	0.00	0.00	0.00	0	0.00	0		
0	6960.00	0	0.00		0	0.5	480.00	240.00	3.00	1	480.00	1440	1	480.00
0	8700.00	0	0.00			0.5	600.00	300.00	3.00	1	600.00	1800	1	600.00
0	5220.00	0	0.00			0.5	360.00	180.00	3.00	1	360.00	1080	1	360.00
0	0.00	0	1400.00	0.00		0	0.00	0.00	0.00	0	0.00		0	0.00
		0	0.00	0.00	0	0	220.00	0.00	0.00	0	0.00	0		0.00
		0	11468.00	13.80	8418	1.2	610.00	732.00	4.00	1	610.00	2440	1	610.00
		0	3948.00	0.00	0	1.2	210.00	252.00	4.00	1	210.00	840	1	210.00
		0	16356.00	2.30	2001	1.2	870.00	1044.00	4.00	1	870.00	3480	1	870.00
		0	10340.00	6.80	3740	1.2	550.00	660.00	4.00	1	550.00	2200	1	550.00
	20880.00	**0.00**	**43512.00**		**14159.00**		**3900.00**	**3408.00**	**25.00**	-	**3680.00**	**13280.00**	-	**3680.00**
	2296.80	0.00	4786.32		1557.49		429.00	374.88	2.75	-	404.80	1460.80	-	404.80
	23176.80	**0.00**	**48298.32**	**Sqm**	**15716.49**		**4329.00**	**3782.88**	**27.75**	-	**4084.80**	**14740.80**	-	**4084.80**

eputy Engineer
Vest, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

NASHIK MUNICIPAL
CORPORATION



MEASUREMENT
SHEET

CIVIL TECH INDIA PVT. LTD.

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
A	**Dismantling**							
1	Detailed survey of road in plain country including chaining and levelling with cross sections at every two chains inclusive of closing of survey each day.							
			1	4395.600			4.396	Km
					Total Qty		**4.396**	**Km**
2	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately. By Mechanical Means etc. complete.							
			1	20496.00	sqm	0.1500	3074.40	
							3074.40	**Cum**
3	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately etc. complete.							
			1	200.00	sqm	0.1500	30.00	
							30.00	**Cum**
4	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable material separately							
			1.00	10			10.00	
					Total Qty		**10.00**	**No.**
5	Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc.							
			1	50	0.23	0.4500	5.18	
			1	20	0.23	0.9000	4.14	
					Total Qty		**9.32**	**Cum**
6	Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc.							
			1	50	0.45	0.5000	11.25	
			1	20	0.23	0.9000	4.14	
					Total Qty		**15.39**	**Cum**
7	Removing lime or lean cement concrete including stacking the spoils as directed with all leads, lifts etc, complete							
			1	50	1.50	0.1000	7.50	
			1	20	1.50	0.1000	3.00	
					Total Qty		**10.50**	**Cum**
8	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc, complete							
			1	50	0.90	0.1000	4.50	
			1	20	10.00	0.1000	20.00	
					Total Qty		**24.50**	**Cum**

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
9	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete							
			1	20.00	1.20		24.00	
			1	20.00	1.00		20.00	
					Total Qty		**44.00**	**Sqm**
10	Removing wire fencing with iron/ C.C. fencing post and stacking the materials as directed with all leads, lifts etc. complete.							
			1	10.00			10.00	
			1	5.00			5.00	
					Total Qty		**15.00**	**Rmt**
11	Milling of existing bituminous surface to specified depth of bituminous layer including disposal of removed material with all lift and lead upto 1000 m etc complete. Using machine like Writgen (W100) or equivalent							
		1	1	50.00			50.00	
					Total Qty		**50.00**	**Sqm**
B	**Strom Water / Service line / Utility Duct**							
12	Carrying out detailed/final location survey for drainage schemes with chain and compass, levels, theodolite and other essential instruments including staking of final center line, locating curves, establishing B.M. and taking L section, cross section, fly leveling etc. complete in plain area. Spec. No. : As directed by Engineer in charge							
		1	1	4395.60			4395.60	
							4395.60	**Rmt**
13	Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-1,4,)							
a	Lift upto 0.0 to 1.50 m depth				**avg w**			
	for service line at 300m c/c	1	1	703.30	1.00	0.3000	210.99	
	For Chowk	1	2	87.91	1.00	0.3000	52.75	
	For Catchpit	1	1	73.26	1.00	0.3000	21.98	
	for strom water line							
	for 450 mm dia	1	1	4084.80	1.15	0.3000	1409.26	
	for 600 mm dia	1	1	50.00	1.30	0.3000	19.50	
	for 900 mm dia	1	1	50.00	1.60	0.3000	24.00	
	for 1000 mm dia	1	1	50.00	1.70	0.3000	25.50	
	for 1200 mm dia	1	5	24.00	1.75	0.3000	63.00	
		Total length		**5123.27**			**1826.97**	**Cum**
b	Lift upto 1.50 to 3.0 m depth							
		1	1	2280.00	1.45	0.3000	991.80	
							991.80	**Cum**
14	Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-3,4,)							
	Lift upto 0.0 to 1.50 m depth							
	for service line	1	1	703.30	1	0.3000	210.99	
	for strom water line 450 mm dia							
	for 450 mm dia	1	1	2280.00	1.15	0.3000	786.60	
							997.59	**Cum**
	Lift upto 1.50 to 3.0 m depth							

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
		1	0.5	2280.00	1.70	0.3500	678.30	
							678.30	**Cum**
15	Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-5,9,)							
	Lift upto 0.0 to 1.50 m depth							
	for service line	1	1	703.30	1	0.3000	210.99	
	for strom water line 450 mm dia							
	for 450 mm dia	1	1	2280.00	1.15	0.3500	917.70	
		Total length		**2280.00**			**1128.69**	**Cum**
	Lift upto 1.50 to 3.0 m depth							
		1	0.25	2280.00	1.70	0.3000	290.70	
							290.70	**Cum**
16	Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. (MJP,DSR 2023-24, Section-E-7,9)							
	vii) for 450 mm dia							
	for service line	1	1	703.30	1	0.1000	70.33	
	for strom water line 450 mm dia							
	for 450 mm dia	1	1	2280	1.15	0.3000	786.60	
	0	**Total length**		**2983.30**			**856.93**	**Cum**
	Lift upto 1.50 to 3.0 m depth							
	for provisinal Qty	1	0.25	2280.00	1.70	0.2500	242.25	
							242.25	**Cum**
	Lift up to 3.0 to 4.5 m depth							
	for provisinal Qty	1	0.25	2280.00	2.30	0.1000	131.10	
							131.10	**Cum**
17	Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation 15cm to 20cm layers including watering and compaction complete.(MJP,DSR 2023-24, Section-E-16)							
	Qty As Per Item No 13 +14	**1**	**1**	5123.27	**1.15**	**0.1500**	883.76	
							883.76	**Cum**
18	Providing, Lowering & Laying ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar/ spigot & socket joints or rubber ring joints, including all cost of rubber ring joints, excluding GST levied by GOI & GOM in all respect including inspection charges, transport to departmental stores, unloading and stacking etc. complete as per IS-458/1988, lowering & Laying and giving satisfactory Hydraulic testing of the laid pipe line and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by Engineerin- charge (For all class of pipes.) as per IS- 783- 1985. as specified and directed by Engineer in charge etc. complete. (MJP, DSR 2023-24, Sec.-I(VI)RCC Pipes,1d.e.f.2)Page No. 94,95,96							
	i) for 150 mm dia							
		1	2	50.00			100.00	
							100.00	**Rmt**
	ii)for 200 mm dia							
		1	1	50.00			50.00	
							50.00	**Rmt**
	iii) for 250 mm dia							

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
		1	1	50.00			50.00	
							50.00	**Rmt**
	iv)for 300 mm dia							
	service line	1	1	703.30			703.30	
	for drainage provisional Qty	1	2	150.00			300.00	
	catch pit	2	8	18.00			288.00	
							1291.30	**Rmt**
	vii) for 450 mm dia							
	storm line	1	1	4084.80			4084.80	
	for drainage provisional Qty	1	10	20.00			200.00	
	catch pit	2	33	10.00			660.00	
							4944.80	**Rmt**
	ix) for 600 mm dia							
	crossing	1	2	50.00			100.00	
							100.00	**Rmt**
	xii) for 900 mm dia							
		1	1	50.00			50.00	
							50.00	**Rmt**
	xiii) for 1000 mm dia							
		1	1	50.00			50.00	
							50.00	**Rmt**
	xiv)for 1200 mm dia							
		1	5	24.00			120.00	
							120.00	**Rmt**
19	Providing and constructing on sewer,Fly Ash Brick masonry circular manhole concentric cone 0.9 M dia. at bottom and 0.5 M dia. at top and upto a depth of 1.00 M, with 15cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 1.0 M with 0.23m. thk. BM in CM 1:6 proportion with 12 mm thick inside & 20 mm thick on outer- side plaster with fine cement smooth finish in CM 1:4, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered), 15cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(For both side plaster Use natural sand & For other work VSI(Vertical Shaft Impact) sand finely washed etc.)							
	900mm dia	2	88				176.00	
							176.00	**No.**
20	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.2 M dia. at bottom and 0.5 M dia. at top and upto a depth of 2.00 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.00 M with 0.23 M thick in CM 1:4 proportion excluding excavation with 12 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),.15cm thk C.C.1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in- charge.(MJP, SSR 2023-24, SEC-I(XX)-6,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	1200mm dia	2	74				148.00	
							148.00	**No.**

NASHIK MUNICIPAL CORPORATION
MESURMENT SHEET

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
21	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.5 M dia. at bottom and 0.5 M dia. at top and upto a depth of 5.0 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.0M with 0.23m thk & 3.0 M depth of Vertical Cylinder with 0.35 M thick Fly Ash Brick masonry in CM 1:4 proportion with 20 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:2, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),,15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.(MJP, SSR 2023-24, SEC-I(XX)-7,)(Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	1500mm dia	1	30				30.00	
							30.00	**No.**
22	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole with concentric cone 1.80 M dia. at bottom and 0.5 M dia. at top and upto a depth of 9.0 M with 25 cm thick CC 1:2:4 bed concrete,& Fly Ash Brick masonry with 23 cm brick work in conical shape upto depth of 2.50 M from top and balance in cylindrical shape 35 cm thick brick work for depth of 2.35 M depth upto 5.0 M, with M:20 Concrete for RCC Beam size of 350x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 350mm thk. brick work, and 45 cm thick brick work 3.85m.for remaining depth upto 9.00 M with M:20 Concrete for RCC Beam size of 450x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 450mm thk. brick work, in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3 proportion excluding excavation, including foundation concrete 250 mm thick and haunches and channels in c.c.1:2:4 proportion, finishing channels in smooth rendering, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical. (Staggered),, 15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	1800mm dia	1	5				5.00	
							5.00	**No.**
23	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 450 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 450 mm etc. complete as directed by Engineer-in-charge. (MJP, SSR 2023-24,Sec-I(XX)-3-A,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	600x450 mm		2	8			16.00	
							16.00	**No.**
.24	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 900 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 900 mm etc. complete as directed by Engineer-in-charge.As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	600x900							
	Service line	2	99				198.00	
	catch pit	4	25				100.00	
							298.00	**No.**

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
25	Constructing additional depth/ Rebate for Manhole of 900mm Dia. & above/below 1000 mm. depth to cover variations with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered) As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	900mm dia	1	176.00	0.25			44.00	
							44.00	**Rmt**
26	Constructing additional depth or Manhole of 1200mm Dia. & above / Rebate 2000 mm. depth with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 2023-24, Sec-I(XX)-6-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	1200 mm dia	1	148.00	0.25			37.00	
							37.00	**Rmt**
27	Constructing additional / Rebate depth for Manhole of 1500mm Dia. & below 5000 mm. depth with 350mm.thick Fly Ash Brick masonry work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 202-24, Sec- I(XX)-7-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	1500 mm dia	1	30.00	0.25			7.50	
							7.50	**Rmt**
28	Constructing additional / Rebate depth for Manhole of 1800mm Dia. & below 9000 mm. depth with 450mm.thick Fly Ash Brick masonry work up to 2.50m in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered),As per Rate Analysis. (For both side plaster Use natural sand & For other work VSI sand finely washed etc.)							
	1800 mm dia	1	5.00	0.25			1.25	
							1.25	**Rmt**
29	Constructing additional depth or Manhole of 450x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work.in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3. (MJP, SSR 2023-24, Sec-I(XX)-3-A-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	450x600 mm	1	16.00	0.25			4.00	
							4.00	**Rmt**
30	Constructing additional depth or Manhole of 900x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)							
	600x900 mm	1	298.00	0.25			74.50	
							74.50	**Rmt**
31	Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP, SSR 2023-24, Sec-E-15)							
	Qty.As Per excavation item						7144.33	
	deduction foe pipe and chember volume	25%					-1786.08	
							5358.25	**Cum**



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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
32	Providing and fixing in position steel fiber reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tones capacity)							
	(MJP, SSR 2023-24, Sec-I(XX)-17,)							
	i) 540 Dia.	1	5				**5.00**	**No.**
	ii) 560 Dia.	1	88				**88.00**	**No.**
	iii) 90x45 cm	1	3				**10.00**	**No.**
	iv) 90x60 cm	1	19				**19.00**	**No.**
	v) 60 x 60 cm	1	3				**10.00**	**No.**
	vi) 60 x 45 cm	1	3				**3.00**	**No.**
33	Cleaning or Desilting B.B.M. of various dia chamber on sewer including removing matarial upto a distance of 50.0M for all lifts as directed by Engineer-in-charge.etc. complete							
		2	50	0.50	0.30	0.900	13.50	
							13.50	**Cum**
34	Cleaning the R.C.C. choked up pipes of diameter from 200 mm to 450 mm including removing matarial upto adistance of 50.0M for all lifts as directed by Engineer-in-charge.							
		1	1	499.30			499.30	
							499.30	**Rmt**
35	Cleaning the R.C.C. choked up pipes by using bucket machine and rodding machine including removing matarial upto adistance of 50.0M for all lifts in different places during cleaning operation all labour and safety precaution should be taken by maintainance contractor himself (i.e. suitable gas masks, gas detection driving prompt etc.) during cleaning operation in any damages done by the contractor shall be repaired by the contractor with his own cost. To clean the existing drain line bucket and rodding machine will not be given by department & if machinary provided by department charges will recovered from bill. Diversion of sewerage water any necessary excavation if necessary should be done by the contractor at his cost during the work necessary action for cleaning line traffic permission and proper precautions should be taken by contractorafter completion of a cleaning operation by contractor has to test the line in precence of enginreer- in- charge. (As per Rate Analysis)							
a)	For 200mm to 600mm dia RCC drain line							
		1	1	300.00			300.00	
							300.00	**Rmt**
b)	For above 600mm to 1000mm dia RCC drain line							
		1	1	300.00			300.00	
							300.00	**Rmt**
c)	For above 1000mm dia RCC drain line							
		1	1	250.00			250.00	
							250.00	**Rmt**
C	**Road Work (Construction of Bituminious or Concrete Road Items)**							
36	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.							
						avg		
	for Road Widening	1	1	15716.49		0.9000	14144.84	
	for Footpath	1	1	14740.80		0.5500	8107.44	
	For New PQC Road	1	1	23176.80		0.9000	20859.12	
							43111.40	**Cum**
37	Excavation for roadway in hard murum and boulder including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed							

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
	for Road Widening	1	1	15716.49		0.2000	3143.30	
	for Footpath	1	1	14740.80		0.2000	2948.16	
	For New PQC Road	1	1	23176.80		0.2000	4635.36	
					Total Qty		**10726.82**	**Cum**
38	Excavation for roadway in soft rock, including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. And spreading or stacking as directed.							
	On Item 36@ 2%						862.23	
					Total Qty		**862.23**	**Cum**
39	Excavation for roadway in hard rock by wedging and chiselling or line drilling including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.							
	On Item 36 @ 1%						431.11	
					Total Qty		**431.11**	**Cum**
40	Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils.							
	for Provisinal Qty						10.00	
							10.00	**Cum**
41	Conveying materials obtained from road cutting upto lead of 5 .00 km including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section from the site of excava-tion to the site of deposition as directed .							
	Quatity from Item No.36		1	43111.40	Cum		43111.40	
	Quatity from Item No.37		1	10726.82	Cum		10726.82	
	Quatity from Item No.38		1	862.23	Cum		862.23	
	Quatity from Item No.39		1	431.11	Cum		431.11	
							55131.56	**Cum**
42	Providing Earth work in embankment with approved material ob-tained from Govt. land with 50 m lead, by using laying in lay-ers, breaking clods, dressing to required lines curves grade, and section watering and compaction complete. (a) 95% proctor densi-ty. Spec.No. : M.O.S.T. 1995 Cl.No.305							
		1	1	50.00			50.00	
							50.00	**Cum**
43	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)							
		1	1	100.00	15.00	0.2000	300.00	
						Total Qty	**300.00**	**Cum**
44	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. Sp. No. Rd. 23 P.No. 202							
						avg		
	for Road Widening	1	1	15716.49		0.3000	4714.95	
	for Footpath	1	1	14740.80		0.3000	4422.24	
	For New PQC Road	1	1	23176.80		0.3000	6953.04	
							16090.23	**Cum**
45	Spreading hard murum for side width etc. complete							

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
			Qty as per Item No. 43				**16090.23**	**Cum**
46	Compacting the hard murum side widths including laying in layers on each side with power roller including artificial watering etc. complete.							
	for Road Widening	1	1	15716.49	sqm		15716.49	
	for Footpath	1	1	14740.80			14740.80	
	For New PQC Road	1	1	23176.80			23176.80	
							53634.09	**Sqm**
47	Construction of granular subbase by providing close graded Material,mixing in a mechanical mixplant at OMC,carriage of mixed Material to work site, spreading in uniform layers with motor grader/Paver on prepared surface and compacting with vibratory roller to achieve the desired density,complete as per clause 401 -- Plant Mix Method and Grading - I Material							
						avg		
	for Road Widening	1	1	15716.49	sqm	0.2000	3143.30	
	For New PQC Road	1	1	23176.80		0.3000	6953.04	
							10096.34	**Cum**
48	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading I (Using Screening Type A (13.2) mm Aggregate)							
	Grade (I)							
	for Footpath	1	1	14740.8		0.1500	2211.12	
							2211.12	**Cum**
49	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading II (Using Screening Type B (11.2 mm) Aggregate)							
	Grade (II)							
	for Footpath	1	1	14740.8		0.0750	1105.56	
							1105.56	**Cum**
50	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.							
	for Road Widening	1	1	15716.49	sqm	0.2500	3929.12	
							3929.12	**Cum**
51	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely washed etc)							
	for paver block	1	1	14740.80	sqm	0.1500	2211.12	

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
							2211.12	**Cum**
52	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, , cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant/ Weigh batch mixer, transported to site with all leads and lifts, laid with a paver with electronic sensor /by suitable means as approved by Engineer-in-charge , compacting with vibratory roller, finishing, curing and including preparation of sub-grade surface if required etc. complete. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.							
	For New PQC Road	1	1	23176.80		0.150	3476.52	
							3476.52	**Cum**
53	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneissmetal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc.complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc. complete.Withfine aggregate (Crushed sand VSI Grade)							
				10.00			10.00	
							10.00	**Cum**
54	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.							
				10.00	50		500	Kg
							0.50	**MT**
55	Providing and laying 125 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete.							
	For New PQC Road			23176.80			23176.80	
					Total Qty		**23176.80**	**Sqm**
56	Providing and laying in-situ M40 Grade un-reinforced plain cement concrete pavement over a prepared sub base with 43 grade cement , coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound /by providing cement vata in cement Mortar 1:8 @0.6m X 0.6m centre to centre, admeasuring 80 mm at bottom and 40 mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.							
	for PQC	1	1	23177		0.280	6489.50	
						Total Qty	**6489.50**	**Cum**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
57	Providing and fixing in position TMT FE 500, 32 mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 60 cms. Long and at 30.00 cm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT FE 500, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete							
		1	1	320.00	49.00		15680.00	
					Total Qty		**15680.00**	**No.**
58	Providing and fixing in position TMT FE 500, tie bars precoated with anticorrosive epoxy paint of 12mm dia. 70cms.long and at 30.00 cm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length,necessary cutting, handling, straightening, supported by assembly of TMTFE500, chairs with proper alignment etc. complete							
		1	2	2880.00			5760.00	
					Total Qty		**5760.00**	**No.**
59	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm. .in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.							
	Longitudinal Joints	1	2	1440.00			2880.00	
	Transeverse Joints	1	320	14.50			4640.00	
					Total Qty		**7520.00**	**Rmt**
60	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (appraox. 25% larger than the initial 3 mOne Metric Tonneo 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8 mm.wide)							
	Same as Item No. 59						7520.00	
					Total Qty		**7520.00**	**Rmt**
61	Providing expansion joints with 25mm thick bituminous pad as per detailed drawings etc. complete.							
		1	109	21.00		0.2800	640.92	
					Total Qty		**640.92**	**Sqm**
62	Providing and casting insitu or precast tapering R.C.C.M-20 Mountable type Kerb without gutter (asper IRC861983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2 including the required excavation in any strataand removing the excavated stuff anywhere incity and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant							
		1	2	100.00			200.00	
							200.00	**Rmt**
63	P/L and fixing precast Cement concrete M-20 grade kerb stone of following sizes grade concrete including manufacturing, supplying to the site, fixing in position, with prepared bed of.packing by surrounding pcc upto 100 mm ht with M-10 PCC 80mm thick, filling joints with cement, coloring with one coat primer & flat oil paint in two coats as per directed by engineer in charge etc complete (As per R.A.)							
a	Size- Length 300 mm, Height 750mm, Top Width 125 mm, Bottom width 200 mm, Chamfer Height 300 mm							
		1	2	1584.00			3168.00	

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
		1	2	1760.00			3520.00	
	For Repair @ 25%	0.25	2	1140.00			570.00	
					Total Qty		**7258.00**	**Rmt**
b	Size- Length 400 mm, Height 450mm, Width 125mm, Chamfer Height 450 mm							
		1	1	50.00			50.00	
					Total Qty		**50.00**	**Rmt**
64	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete							
	for footpath	1	1	250.00	sqm		250.00	
							250.00	**Sqm**
65	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete							
	for paver block			14740.80	sqm		14740.80	
					Total Qty		**14740.80**	**Sqm**
66	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing WBM surface including picking the road metalled surface, thoroughly cleaning the WBM surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum,/Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.							
			1	500.00	1.00		500.00	
							500.00	**Sqm**
67	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing BT surface including picking the road metalled surface, thoroughly cleaning the BT surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum,/Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.							
			1	500.00	1.00		500.00	**Sqm**
							500.00	**Sqm**
68	Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set - footed in bitumen boller on B.T. surface 5 kg/10 sqm. (VG 30 bulk bitumen rates are considered to arrive at rates) Spec.Rd.47.3.3 Page No. 224							
	Fro Asphalt Road	1	3	48298.32			144894.96	
							144894.96	**Sqm**
69	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying. primer at the rate of 10.0 kg sqm using mechanical means.							
		1	1	15716.49	sqm		15716.49	
							15716.49	**Sqm**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
70	BITUMINOUS MACADAM 3.00 % : Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.00 % using specified grade of Bitumen. -- USING batch Mix type hot mix plant with SCADA, Sensor Paver, vibratory roller. (VG30 bulk bitumen rates are considered to arrive at rates)							
	for Roads	1	2	100.00	15.00	0.0550	165.00	
							165.00	**Cum**
71	BITUMINOUS MACADAM 3.50 %: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.							
	for Road Widening	1	1.0	15716.49		0.0550	864.41	
	For Profile correction	1	35%	55262.46		0.0550	1063.80	
							1928.21	**Cum**
72	DENSE BITUMINOUS MACADAM 4.50%: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 4.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.							
	For Asphalt Area	1	1.00	48298.32		0.0600	2897.90	
							2897.90	**Cum**
73	BITUMINOUS CONCRETE 6.25 %:- Providing and laying bituminous concrete using crushed aggregates of grading 2, premixed with bituminous binder @ 6.25 per cent by weight of total mix and filler, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for30/40 mm compacted thickness with VG-30 Bitumen,Excluding prime / tack coat. For Bitumen VG-30 bulk -- USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V-Sat attachment with Stone Dust filler Spec No.: MOST 1995 Cl.No.511							
						avg		
	For Asphalt Area	1	1	48298.32		0.0400	1931.93	
	For Pedistain Crosing	4	3.0	30.00	2.00	0.1000	72.00	
		2	3.0	30.00	2.50	0.0500	22.50	
							2026.43	**Cum**
74	Providing and laying White Topping as per IRC-SP 76-2015 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DLC to correct surfaee profile and to be paid separately) with unreinforced M-40 grade Pavement Quality Concrete using Ordinary Portland Cement (OPC 43/OPC 53-Grade) at 357kg/cum (Replacement of Fly Ash is not Allowed) coarse aggregate, fine aggregate and Admixture confirming to IS 9130-1999 (R-2004) polymeric synthetic fibre as per ASTM (1116) such as polyester / polyethylene / polypropylene / Glass fibre at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and							
	White Topping	1	1	0.00		0.2000	0.00	
							0.00	**Cum**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
75	Organosilance Nanotechnology for Bituminous organosilance nanotechnology such as Zycotherm added in the bitumen binder @ 0.1% dosage to the weight of the bitumen at HMA plant to schive chemical bonding, complete coating and consistant compaction in various bituminous mixes such as BM/ DBM/ Carpet/ sealcoat/ MSS/SDBC etc. as per the direction of Engineer-in-charge with prior approval of concerned Superitending Engineer.							
	QTY Against			Constant	Qty			
	BM - 3.0%			0.0660	165.00		10.89	
	BM - 3.5%			0.0770	1928.21		148.47	
	DBM - 4.5%			0.0990	2897.90		286.89	
	BC - 6.25%			0.1440	2026.43		291.81	
							738.06	**kg**
D	**Miscellaneous Items for Reparing Work**							
76	Providing and fixing on walls/ ceiling/ floor mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.							
A	15 mm Dia		40		10.00		**400.00**	**Rmt**
B	25 mm Dia		20		10.00		**200.00**	**Rmt**
C	32 mm Dia		10		10.00		**100.00**	**Rmt**
D	40 mm Dia		15		5.00		**75.00**	**Rmt**
E	50 mm Dia		20		10.00		**200.00**	**Rmt**
77	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete.							
							90.00	
					Total Qty		**90.00**	**No.**
78	Providing and making ISI Mark ferrule connection of 50mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete							
							50.00	
					Total Qty		**50.00**	**No.**
79	Providing , laying and fixing ,jointing Eco- drain mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.							
A	110 mm Dia	1	80		3.00		**240.00**	**Rmt**
B	160 mm Dia	1	60		3.00		**180.00**	**Rmt**
80	Providing fly ash brick masonry with conventional I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. Complete							
		2	2	40.00	0.23	0.6000	**22.08**	
		2	2	30.00	0.23	0.7500	**20.70**	
						Total Qty	**42.78**	**Cum**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
81	Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in external walls of plinth including bailing out water manually , striking joints inside and raking out joints from outside and watering etc.complete							
		2	2	20.00	0.45	0.7500	**27.00**	
		2	2	10.00	0.45	0.6000	**10.80**	
					Total Qty		**37.80**	**Cum**
82	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.							
		2	2	20.00	0.38	0.9000	**27.36**	
		2	2	10.00	0.38	0.7500	**11.40**	
					Total Qty		**38.76**	**Cum**
83	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/ pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)							
		1	1	20.00	0.23	0.1500	**0.69**	
		1	1	10.00	0.23	0.1500	**0.35**	
					Total Qty		**1.04**	**Cum**
84	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.							
		2	2	20.00		0.6000	**48.00**	
		2	2	10.00		0.7500	**30.00**	
					Total Qty		**78.00**	**Cum**
85	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.							
		1	2	20.00		0.7500	**30.00**	
		1	1	10.00		0.9000	**9.00**	
					Total Qty		**39.00**	**Sqm**
86	Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.							
	For Road Divider	1	2	2025		0.5	**2025.00**	
	For Chowk/Pancture	-2	6	50		0.5	**-300.00**	
	For Footpath	1	2	2025		0.3	**1215.00**	
	Deduct Chowk/Pancture	-2	6	50		0.3	**-180.00**	
						Total Qty	**2760.00**	**Sqm**
87	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary							
							200.00	

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
					Total Qty		**200.00**	**Sqm**
88	Providing and applying two coats of flat oil paint of approved colour to the old structural steel work and iron work previously painted in building including scaffolding, if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.							
							250.00	
					Total Qty		**250.00**	**Sqm**
89	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat							
	Qty same as Item No.86						2760.00	
					Total Qty		**2760.00**	**Sqm**
90	Providing and laying matt finish ceramic tiles of having size 30 cm x 30 cm confirming to .S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete.							
							24.00	
					Total Qty		**24.00**	**Sqm**
91	Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentiDeleted ire 0.75 mm dia) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete.							
							20.00	
					Total Qty		**20.00**	**Rmt**
92	Providing and fixing Guard Railing of 1000mm height as per Type D Drg. No. 15 dt. 20-4-79, and fixed in 40 x 40 x 6mm iron, angle embedded in 1:2:4 cement concrete bedding patti as per detailed drawing, with 3 coats of approved of yellow and black paint.							
							20.00	
					Total Qty		**20.00**	**Rmt**
93	Providing railing of cast in situ R.C.C posts with (M-20) cement concrete trap / granite / quartzite / gneiss metal size 150 mm x 150 mm x 1.240 mm and horizantal 3 nos. at distance 370 mm C/C and bottom bar 150 mm above kerb as per the detailed drawings (including cost of reinforcement) scaffolding,steel centering, plywood/steel formwork etc. complete. The C.M. 1:3 plaster is considered for renderinguneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering/formwork will not be allowed).							
							20.00	
					Total Qty		**20.00**	**Rmt**
94	Providing and laying in situ / ready mix M20 cement concrete of trap /granite /quartzite /gneiss metal for approach slab including compacting, finishing, curing etc. complete. (excluding reinforcement) (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand, cement6.40 bags/cumt)							
							50.00	
							50.00	**Cum**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
95	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.							
	For drainage	2	1	10.00	0.75	150	2250.00	kg
							2.25	**MT**
96	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.							
							10.00	
							10.00	**Cum**
97	Providing and laying in-situ M30 Grade unreinforced plain cement concrete pavement over a prepared subbas with 43 grade cement ,coarse and fine aggregate (natural sand/VSI grade finely washed crushed sand) conforming to IS383, using fine and coarse aggregates combined gradation asper Table 600-3 of MORTH Specification 2013, mixed in a batching and mixing plant/non tilting mixer and Weigh batcher as per approved mix design,admixtures, transporting to suring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automaticmicro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.							
							18.00	
							18.00	**Cum**
98	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete							
							5.00	
							5.00	**Sqm**
99	Providing and erectingc hain link fencing1.6M. height with G.I.chain link of size 50 x50mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S.Angles of 40x40x6 mm size, includind excavating pits for foundation and embedded in C.C.block of 1:4:8 mix of size 450x450x670 mm. at 1.75M. c/c with iron bar 16mmdia as hold fast including welding link with angle frame at 30cmc/c withnuts and bolts and horizontal M.S. Angles at top and bottom of 25x25x5 mm size and vertical M.S. flat 35x5mm and 25x5 mm horizontal including cross support of 40x40x6mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450x450x670 mm including 3 coats of oil painting etc. complete.							
			1.00	8.67			8.67	
							8.67	**Rmt**
100	Providing and fixing mild steel grill gate with angle iron frame 65mmx65mmx10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/ Smt.							
							5.00	
							5.00	**Sqm**
101	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One SquareMetre as per drawing including fixtures, necessary weldingand painting with onecoats of anticorrosivepaint and twocoatsof oil painting complete.							
							5.00	
							5.00	**Sqm**
E	**Road Furniture**							

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
102	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.							
	Divider Line	1	2	4396	0.15		1318.68	
	footpath line	1	2	4396	0.15		1318.68	
	center line 1 m c/c	1	2	2198	0.10		439.56	
	Zebra	4	5	50	0.50	3.00	1500.00	
	Stop line	5	4	50	0.30		300.00	
							4876.92	**Sqm**
103	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer.							
	Edge line	3	2	4395.60			26374.00	
	cc line	2	3	1465.20			8791.20	
	At Zebra stop line	5	4	100.00			2000.00	
							37165.20	**No.**
104	Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retroreflectance of the reflecting panel, to the Engineer.							
	for Chowk	1	5	80			400	
						Total Qty	**400**	**No.**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
105	Providing and Fixing of Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm, the body structure shall be rounded at its acute angle, all the corners and edges. The plastic used for molding the Median Marker shall have a minimum Notched Izod Impact strength value of 600 J/m at room temperature, when tested in accordance with ASTM D256 and shall retain at least 70% of this value when subjected to accelerated weathering for 1000hrs as per ASTM G155 or UL746C. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have rectangular-shaped, fluorescent yellow color retro- reflective sheeting of size not less than 8.5cm*8.5cm and with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2010 and ASTM D4956 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Median Marker shall be fixed by a combination of epoxy adhesive and grouting.							
		1	1	15.00			15.00	
					Total Qty		**15.00**	**No.**
106	Road Delineators: Supplying and installation of delineators (Roadway Indicators, Hazard markers, Object markers) 80 to 100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80x100mm rectangular or 75mm dia. Circular reflectorised panels at the top, buried or pressed into the ground and confirming to I.R.C. 79 and the drawings							
		2	10				20.00	
					Total Qty		**20.00**	**No..**
107	Providing and fixing steel pipe delineators of 10 cm. in diameter and total height of 130 cm, provided with 2 strips of white retroreflective sheeting of size 5 cm. x 32.5 cm. each fixed horizontally and 2 strips of red retroreflective sheeting each having size 5 cm. x 32.5 cm. fixed horizontally at top, with M.S. round cap having diameter 11 cm. and wire mesh at top (10 guage thick) and height of wire mesh 15 cm, M.S. hold fast 6 mm thick with 35 cm. in length, fixing the delineators in C.C. 1:4:8 concrete block of size 25 cm. x 25 cm. x 45 cm. with necessary excavation etc. complete.							
		1	20				20.00	
					Total Qty		**20.00**	**No..**
108	Providing and fixing Mandatory/Regulatory sign boards in circular shape of____ mm dia made out of ____aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Class C (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.							
b	600 mm dia made out of 3mm aluminum composite material						10.00	No..
d	750 mm dia made out of 4mm aluminum composite material						10.00	No..

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
109	Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of ___mm made out of____ mm aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. ClassC (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier							
b	600 mm made out of 3mm aluminum composite material	1	1		5.00		5.00	**No..**
d	750 mm made out of 4mm aluminum composite material	1	1		5.00		5.00	**No..**
i	900 mm made out of 4mm aluminum composite material	1	1		5.00		5.00	**No..**
110	Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area less than 0.9 One Square Meterr made out of ____mm aluminum sheet bonded with white retro reflective sheeting of Class __ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on one no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post/ supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the							
d	4mm aluminum composite material Class C							
		1	5	1.20	0.90		5.40	
		1	5	0.90	0.60		2.70	
					Total Qty		**8.10**	**Sqm**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
111	Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 square meter made out of__aluminum sheet bonded with white retro reflective sheeting of Class ____ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued							
d	4mm aluminum composite material Class C							
		1	5	1.20	0.90		5.40	
		1	5	0.90	0.60		2.70	
					Total Qty		**8.10**	**Sqm**
112	Providing and erecting Overhead signs made out of __aluminum sheet bonded with white retro reflective sheeting of Class ___(Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012, with designed back support frame of mild steel angle with vertical and lateral clearance given in clause 801 and 802, duly painted on back side with two coats of grey stove enamel paint and installed as per clause 802.6 over a designed support system of structural steel work trestles and trusses of sections and type as per structural design requirements and approved plans including painting with one coat of epoxy primer and two coats of epoxy finish paint.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in							
d	4mm aluminum composite material Class C							
		1	5	1.20	0.90		5.40	
		1	5	0.90	0.60		2.70	
					Total Qty		**8.10**	**Sqm**
113	Metal Beam Crash Barrier- -Type A,W: Metal Beam Crash Barrier (Providing and erecting a W metal beam crash barrier comprising of 3mm thick corrugated sheet metal beam rail, 70 cm above road/ ground level, fixed on ISMC serieschannel vertical post,150x75x5mm spaced 2m centre to centre, 1.8m high, 1.1m below ground/ road level, all steel part sand fitments to be galvanised by hot dipprocess, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section150x75x5 mm, 330 mm long complete as per clause 810)""							
	For Chowk	1	5	15.00			75.00	
					Total Qty		**75.00**	**Rmt**
114	Providing and Constructing gabion structure 1Meter hight or required section made up of soft mechanically woven hexagonal shapedG.I. wire confirming to IS 16014:2012 having zinc plus PVC coating of overall diameterof 3.7mm and tying lacing wire of 3.2 mm with edge wire confirming to overall diameter 4.4 mm edges being mechanically selvedge including placing in position, fitting neatly with trap stone rubble (15 to 23 cm) all loose ends to be securely tied (Excluding transportation) etc. complete .(In Dry condition and for under water installation extra cost to be considered)							
		1	10.00	0.75	1.00		7.50	
		1	10.00	0.45	1.00		4.50	
					Total Qty		**12.00**	**Cum**

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
F	**Providing Public Utilities**							
115	Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish.							
	For Roads	2	7				14.00	
							14.00	**No**
116	Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)							
	Four Chowks	4	8	10.00			320.00	
							320.00	**No**
117	Royalty charges for murum dubber should be paid by the contractor regularly to the government and contractor should produce delivery challon, payment receipt, pakka bill etc. complete alongwith every R.A. bill \ final bill as applicable.(It is entirely responsibility of contractor to pay Royalty charges to the Government)							

I no	item			Qty		constant	Total Qty	
a	for murum / Rubble /	Sr. No.81 & 82		76.56		1.1600	88.81	
b	Earth work Embankment	Sr. No.43		300.00		1.2500	375.00	
c	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. Sp. No. Rd. 23 P.No. 202	Sr. No.44		16090.23		1.0000	16090.23	
d	for Rubble Soling	Sr. No.96 & 114		22.00		1.2500	27.50	
							16581.54	**Cum**
e	for Sand	Sr. No.84		78.00		0.0250	1.95	
	for Sand	Sr. No.85		39.00		0.033	1.29	
							3.237	Cum

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

Name of Work:- Improvement of inner ring road from K.T.H.M Bridge to sharanpur Police chowki & from BOSCH circle to chandak circle to Mahamarg Bus stand

QUALITY CONTROL

Frequency of Quality Control Tests

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
1	Providing earthwork Departmental Land.	50.00	Cubic Metre	Earth	1.00000	50.00	SOIL / MURUM Compaction Test (Proctor Density).	1	1955.00	1955.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	1	2730.00	2730.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	1	1230.00	1230.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	1	7250.00	7250.00
2	Providing earthwork from Other sources.	300.00	Cubic Metre	Earth	1.00000	300.00	SOIL / MURUM Compaction Test (Proctor Density).	5	1955.00	9775.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	5	2730.00	13650.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	5	1230.00	6150.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	5	7250.00	36250.00
3	Supplying Hard Murum	16090.23	Cubic Metre		0.0000	0.00	SOIL / MURUM Sieve Analysis test.	55	725.00	39875.00
	Road Subgrade			Murum	1.0000	15945.27	SOIL / MURUM Liquid limit & plastic Limit test.	55	1230.00	67650.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	55	7250.00	398750.00
4	G.S.B. with Gr.I close graded Material by Plant Mix Method.	10096.34	Cubic Metre		0.0000	0.00	G.S.B. Mix Design test.	1	17065.00	17065.00
	Road Sub Base & Base Course			Cr.Metal	1.2800	12806.89	BASIC TEST OF AGGREGATE. Sieve Analysis test.	38	725.00	27550.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	45	1230.00	55350.00
							SOIL / MURUM Compaction Test (Proctor Density).	75	1955.00	146625.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	35	7250.00	253750.00
							SOIL / MURUM C.B.R. test (Field determination test)	115	2730.00	313950.00
5	W.B.M. with Grading-I.Using Screening Type-A	2211.12	Cubic Metre	Murum	0.08000	175.30	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	22	2730.00	60060.00
	Road Sub Base & Base Course			Cr.Metal	0.2700	591.62	BASIC TEST OF AGGREGATE. Sieve Analysis test.	23	725.00	16675.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	895.00	21480.00
				Metal	1.2100	2651.35	SOIL / MURUM Sieve Analysis test.	11	725.00	7975.00
							SOIL / MURUM Liquid limit & plastic Limit test.	15	1230.00	18450.00
6	W.B.M.with Grading-II.Using Screening Type-B.	1105.56	Cubic Metre	Murum	0.08000	87.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	19	2730.00	51870.00
	Road Sub Base & Base Course			Cr.Metal	0.2400	262.94	BASIC TEST OF AGGREGATE. Sieve Analysis test.	8	725.00	5800.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	4	895.00	3580.00
				Metal	1.2100	1325.68	SOIL / MURUM Sieve Analysis test.	1	725.00	725.00
							SOIL / MURUM Liquid limit & plastic Limit test.	2	1230.00	2460.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
7	Wet Mix Macadam	3929.12	Cubic Metre		0.0000	0.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	20	2730.00	54600.00
	Road Sub Base & Base Course			Cr.Metal	1.2100	4711.41	BASIC TEST OF AGGREGATE. Sieve Analysis test.	20	725.00	14500.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	0	895.00	0.00
					0.0000		Wet Mix Macadam Mix Design test.	1	17065.00	17065.00
							SOIL / MURUM Liquid limit & plastic Limit test.	10	1230.00	12300.00
							SOIL / MURUM C.B.R. test (Field determination test)	38	2730.00	103740.00
8	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely washed etc)	2211.12	Cubic Metre	Cement	0.30000	657.36	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	68	725.00	49300.00
				Sand	0.4400	964.13	BASIC TEST OF AGGREGATE. Sieve Analysis test.	24	725.00	17400.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	895.00	21480.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	20	1450.00	29000.00
							BASIC TEST OF CEMENT.Standard Consistancy Fineness, Specific Gravity, Setting Time (Initial & Final)	10	3960.00	39600.00
9	Dry Lean Cement Concrete	3476.52	Cubic Metre	Cement	0.22000	757.94	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	89	725.00	64525.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
				Sand	0.4700	1619.24	BASIC TEST OF AGGREGATE. Sieve Analysis test.	28	725.00	20300.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	28	895.00	25060.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	28	1450.00	40600.00
10	M-20 for R.C.C. beams and lintels with natural/ V.S.I. sand	10.00	Cubic Metre	Cement	0.35000	3.50	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	2	725.00	1450.00
				Sand	0.4250	4.25	BASIC TEST OF AGGREGATE. Sieve Analysis test.	1	725.00	725.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	895.00	895.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	1	1450.00	1450.00
11	TMT FE-500 bar reinforcement for R.C.C.	0.50	Metric Tonne	Steel	1.00000	0.50	STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)	1	1340.00	1340.00
	5-Bd-F : REINFORCED CEMENT CONCRETE				0.0000	0.00	STEEL BAR TESTING Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress).	1	1675.00	1675.00



SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
12	Providing and laying in-situ M-40 Grade unreinforced plain cement concrete pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (Natural Sand/ VSI grade finely washed Crushed Sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying, compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound/ by providing cement vata in cement Mortar 1:8 of 0.6 metre x 0.6 metre centre to centre, admeasuring 80 milimetre at bottom and 40 milimetre at top with depth of 75 milimetre and maintaining the same throughout curing period/ by any other method approved by	6489.50	Cubic Metre	Cement	0.42500	2928.42	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	141	725.00	102225.00
	Rigid Pavement			Cr.Metal	0.8500	5856.84	Concrete Mix Design (With all Tests on basic materials).	14	14445.00	202230.00
							Concrete Mix Design PQC/DLC by Normal curing method	1	17065.00	17065.00
				Sand	0.4000	2756.16	BASIC TEST OF AGGREGATE. Sieve Analysis test.	30	725.00	21750.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	30	895.00	26850.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	1	1450.00	1450.00
							CONCRETE Flexural strength of Beam test.	82	780.00	63960.00
13	Coloured Paving Blocks 60 mm thick.	250.00	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption test (Set of 8 Blocks).	24	2620.00	62880.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
14	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 milimetre thickness of having a strength of 300 kilogram per square centimetre of approved quality and shape on a bed of crushed sand of 25 to 30 milimetre thick including skirting joints and cleaning etc. complete	14740.80	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption test (Set of 8 Blocks).	57	2620.00	149340.00
15	75 mm M.P.M. on W.B.M. with 70% Hand Broken Metal.	500.00	Square Metre	Bitumen	0.00200	1.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	1	2730.00	2730.00
	Road Sub Base & Base Course			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	725.00	1450.00
				Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	895.00	895.00
							BASIC TEST OF AGGREGATE. Stripping Value test.	1	780.00	780.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	1	3290.00	3290.00
							BITUMEN Viscosity test.	1	2005.00	2005.00
16	75 mm M.P.M. on B.T. with 70% Hand Broken Metal.	500.00	Square Metre	Bitumen	0.00230	1.15	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	1	2730.00	2730.00
	Road Sub Base & Base Course			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	725.00	1450.00
				Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	895.00	895.00
							BASIC TEST OF AGGREGATE. Stripping Value test.	1	780.00	780.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	1	3290.00	3290.00
							BITUMEN Viscosity test.	1	2005.00	2005.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	4	3290.00	13160.00
							BITUMEN Viscosity test.	4	2005.00	8020.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
17	B.M. Gr-I with Batch Mix SCADA with 3.0% Bitumen VG-30. Road Sub Base & Base Course	165.00	Cubic Metre	Bitumen	0.07260	11.98	B.M. Mix Design with all Tests on aggregate and bitumen.	1	11155.00	11155.00
				Cr.Metal	1.4100	232.65	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	895.00	895.00
					0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	1	780.00	780.00
				Bituminous Mix	1.4100	232.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	2	2730.00	5460.00
							Density test of Bituminous Core.	5	665.00	3325.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	2	3290.00	6580.00
							BITUMEN Viscosity test.	2	2005.00	4010.00
							BITUMEN Extraction Test.	2	1675.00	3350.00
							BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	725.00	1450.00
							Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	4125.00	8250.00
18	B.M. Gr-I 3.5% PLC Batch Mix SCADA. VTS, Sensor Paver with VG 30. Road Sub Base & Base Course	1928.21	Cubic Metre	Bitumen	0.07260	136.57	B.M. Mix Design with all Tests on aggregate and bitumen.	1	11155.00	11155.00
				Cr.Metal	1.4100	2652.48	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	41	895.00	36695.00
					0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	20	780.00	15600.00
				Bituminous Mix	1.4100	2652.48	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	34	2730.00	92820.00
							Density test of Bituminous Core.	67	665.00	44555.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	27	3290.00	88830.00
							BITUMEN Viscosity test.	27	2005.00	54135.00
							BITUMEN Extraction Test.	34	1675.00	56950.00

SR. No.	Item in brief	Estimated		Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
		Quantity	Unit							
1	2	3	4	5	6	7	9	11	12	13
							BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	725.00	1450.00
							Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	4125.00	8250.00
19	D.B.M. 4.5% SCADA Batch Mix with VG-30 and Stone Dust Filler.	2897.90	Cubic Metre	Bitumen	0.10350	287.67	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	13	2730.00	35490.00
	Road Sub Base & Base Course			Cr.Metal	1.5280	4246.91	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	13	895.00	11635.00
					0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of	2	4125.00	8250.00
							Density test of Bituminous Core.	74	665.00	49210.00
							Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	20355.00	20355.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	29	3290.00	95410.00
							BITUMEN Viscosity test.	29	2005.00	58145.00
							BITUMEN Extraction Test.	16	1675.00	26800.00
							Marshall Stability & Flow measurement test. (Set of 3 moulds).	16	1170.00	18720.00
20	B.C. Gr-I Batch Mix SCADA, VTS, Sensor Paverwith 6.25% VG 30.	2026.43	Cubic Metre	Bitumen	0.12960	252.39	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	9	2730.00	24570.00
	Road Sub Base & Base Course			Cr.Metal	1.5720	3061.36	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	9	895.00	8055.00
					0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	4125.00	8250.00
							Density test of Bituminous Core.	52	665.00	34580.00
							Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	20355.00	20355.00

SR. No.	Item in brief	Estimated Quantity	Estimated Unit	Material	Standard Consumpti	Utilised Quantity	Tests	Required Tests	Rate of Each Test	Amount of Q.C.Testing Charges
1	2	3	4	5	6	7	9	11	12	13
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	26	3290.00	85540.00
							BITUMEN Viscosity test.	26	2005.00	52130.00
							BITUMEN Extraction Test.	11	1675.00	18425.00
							Marshall Stability & Flow measurement test. (Set of 3 moulds).	11	1170.00	12870.00
21	Road Marking with Hot Applied Thermoplastic Compound.	4876.92	Square Metre		0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Glass bead contents & grading analysis Test.	1	4070.00	4070.00
	Road Furniture				0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Reflectance & yellowness index Test.	1	1170.00	1170.00
					0.0000		PAINT / THERMO-PLASTIC PAINT Flowability (Percentage residue) Test.	1	1170.00	1170.00
					0.0000		PAINT / THERMO-PLASTIC PAINT Softening Point (Ring & ball method) Test.	1	1060.00	1060.00
							PAINT / THERMO-PLASTIC PAINT Drying Time Test.	1	835.00	835.00
							Total Quality Control Testing Charges			**Rs.38,49,655.00**

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

9-52

Name of Work:- Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

No	SSR No.	Description	Qty	Rate	Per	Amount
B	Water Supply Lines					
1	R.A.	Providing Dl Pipes (push on joints pressure pipes of Dl of following class & Dia meters confirming to the Indian Standard Specification inclusive cost of jointing materials (Rubber Gasket of EPDM Quality) including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, Third Party Inspection charges of TPI agency approved by the MJP including transit insurance, Railway freight, unloading from railway wagon, loading in to the truck, transportation to departmental store / site of work, unloading, stacking etc. completed as directed by Engineer-in-Charge (IS:1536:2001 for pipes & IS:158:1969 & 15:12820:1989 or latest edition / revision with amendments for rubber gaskets). (IS:8329:2000 latest version) MJP DSR Page no 53 Sr No 3				
		SECTION-I(I) C.I./D.I. PIPES (69)				
		D.I. K – 7				
		i) 100 mm Dia.	50.00	1209.00	Rmt	60450.00
		ii) 150 mm Dia.	50.00	1686.00	Rmt	84300.00
		iii) 200 mm Dia.	50.00	2236.00	Rmt	111800.00
		iv) 250 mm Dia.	50.00	2906.00	Rmt	145300.00
		v) 300 mm Dia.	50.00	3571.00	Rmt	178550.00
		vi) 350 mm Dia.	50.00	4465.00	Rmt	223250.00
		vii) 400 mm Dia.	50.00	5328.00	Rmt	266400.00
		viii) 450 mm Dia.	50.00	6346.00	Rmt	317300.00
2	R.A.	Providing and supplying ISI standard CI flanged / S& S specials including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, railway freight, insurance, unloading from railway wagon, loading into truck transport to departmental store /site, unloading stacking etc. complete. MJP DSR Page no 72 Sr No 6 (a)				
		SECTION-I(I) C.I./D.I. PIPES (70)				
		D/F specials up to 300 mm	500.00	88.00	kg	44000.00
		Above 350 mm upto 600 mm dia.	500.00	94.00	kg	47000.00
3	R.A.	Supply of C. I. Mechanical Compression Flanged / Socket Tail piece(Popularly known as I TM Flanged / Socket Tailpiece) suitable for making flanged connection with the plain barrel of C. I. Spun Pipes (as per - IS - 1536 /2001) and D. I. Pipes (as per IS: 8329 / 2000).The Tailpiec to be supplied complete with sealing rubber gasket of S.B.R..C.I.. Follower Glands and M.S. Nut Bolts.The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538 /1993. The rates are inclusive of cost of material. forwarding charges.including all statutary duties and taxes such as GST levied by GoI and GoM in all respect. loading. transportation and unloading at departemental store etc. complete as directed. Consignee but exclusive of octroi. MJP DSR Page No. 143 Sr.No. 1				
		SECTION-I(XIII) MECHANICLA JOINTS				
		80 mm Dia.	30.00	1311.00	No	39330.00
		100 mm Dia.	30.00	1430.00	No	42900.00
		125 mm Dia.	30.00	1800.00	No	54000.00
		150 mm Dia.	30.00	2574.00	No	77220.00
		200 mm Dia.	30.00	3335.00	No	100050.00
		250 mm Dia.	30.00	5031.00	No	150930.00

NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

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No	SSR No.	Description	Qty	Rate	Per	Amount
		300 mm Dia.	30.00	5632.00	No	168960.00
		350 mm Dia.	30.00	7427.00	No	222810.00
		400mm Dia.	30.00	9694.00	No	290820.00
		450mm Dia.	30.00	11380.00	No	341400.00
4	R.A.	Supply of C.I. mechanical compression collar coupling suitable for C.I. spun pipes (as per IS-1536/2001) and complete with sealing rubber gasket of SBR, C.I., follower glands and M.S. nut bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538/1993) including all statutary duties and taxes such as GST levied by GoI and GoM in all respect,MJP DSR Page No. 143 Sr.No. 2				
		SECTION-I(XIII) MECHANICLA JOINTS / FITTING (161)				
		80 mm Dia.	25.00	826.00	No	20650.00
		100 mm Dia.	25.00	886.00	No	22150.00
		125 mm Dia.	25.00	1181.00	No	29525.00
		150 mm Dia.	25.00	1593.00	No	39825.00
		200 mm Dia.	25.00	1818.00	No	45450.00
		250 mm Dia.	25.00	2914.00	No	72850.00
		300 mm Dia.	25.00	3729.00	No	93225.00
		350 mm Dia.	25.00	4597.00	No	114925.00
		400 mm Dia.	25.00	7154.00	No	178850.00
		450 mm Dia.	25.00	8033.00	No	200825.00
5	R.A.	Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete. MJP DSR Page No. 34 Sr.No. 1				
		SECTION-EXCAVATION (40)				
			500.00	**93.45**	Bhp/hr	46725.00
6	R.A.	Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outsideincluding all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores / site, and stacking, etc. complete. MJP DSR Page no 72 Sr No 7 (d)				
		SECTION-I(I) C.I./D.I. PIPES (70)				
		D/F of all diametors	300.00	**95.00**	**kg**	28500.00
7	R.A.	Providing and making flanged joints to flanged C.I./M.S. pipes of all classes/speeials etc. including cost of all jointing materials (rubber packing, nut bolts, etc.), labour, hydraulic testing etc. complete. MJP DSR Page No. 56 Sr.No. 8				
		SECTION-I(I)C.I./D.I.PIPES (71)				
		80 mm Dia.	15.00	331.80	Joint	4977.00
		100 mm Dia.	15.00	571.20	Joint	8568.00
		150 mm Dia.	15.00	1146.60	Joint	17199.00
		200 mm Dia.	15.00	1188.60	Joint	17829.00
		250 mm Dia.	15.00	1703.10	Joint	25546.50
		300 mm Dia.	15.00	1769.25	Joint	26538.75
		450 mm Dia.	15.00	3508.05	Joint	52620.75
		600 mm Dia.	15.00	3898.65	Joint	58479.75

NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

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No	SSR No.	Description	Qty	Rate	Per	Amount
8	R.A.	Providing and making Mechanical joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of , labour, hydraulic testing etc. complete. MJP DSR Page No. Sr.No.				
		SECTION-I(I)C.I./D.I.PIPES (71)				
		80 mm Dia.	10.00	265.44	Joint	2654.40
		100 mm Dia.	10.00	456.96	Joint	4569.60
		150 mm Dia.	10.00	917.28	Joint	9172.80
		200 mm Dia.	10.00	950.88	Joint	9508.80
		300 mm Dia.	10.00	1415.40	Joint	14154.00
		450 mm Dia.	10.00	2806.44	Joint	28064.40
		600 mm Dia.	10.00	3118.92	Joint	31189.20
9	R.A.	Cutting and champhering of pipes of following diameters including cost of all materials and labour involved, etc. complete as directed by Engineer-in-charge (for all class of pipes). MJP DSR Page No. 137 Sr.No. 20				
		SECTION-I(XII) PIPES APPURTENANCES (156)				
		80 mm Dia.	15.00	52.50	No.	787.50
		100 mm Dia.	15.00	60.90	No.	913.50
		150 mm Dia.	15.00	94.50	No.	1417.50
		200 mm Dia.	15.00	118.65	No.	1779.75
		300 mm Dia.	15.00	202.65	No.	3039.75
		450 mm Dia.	15.00	306.60	No.	4599.00
		600 mm Dia.	15.00	447.30	No.	6709.50
10	R.A.	Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour, etc. complete. MJP DSR Page No. 54 Sr.No. 2				
		SECTION-I(I)C.I./D.I.PIPES (68)				
		80mm	15.00	61.95	Rmt	929.25
		100mm	15.00	75.60	Rmt	1134.00
		150mm	11.00	100.80	Rmt	1108.80
		200mm	11.00	133.35	Rmt	1466.85
		300mm	11.00	189.02	Rmt	2079.22
		450mm	11.00	283.50	Rmt	3118.50
		600mm	11.00	429.45	Rmt	4723.95
11	R.A.	Providing ISI mark GI. pipe of following class and dia. including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004. G.I.PIPE - medium grade MJP DSR Page no 82 Sr No 1B	SECTION-(III):G.I PIPES (93)			
		b) Medium				
		15mm Dia.	15.00	105.00	Rmt	1575.00
		20mm Dia.	15.00	135.00	Rmt	2025.00
		25 mm Dia.	15.00	206.00	Rmt	3090.00
		40 mm Dia.	15.00	299.00	Rmt	4485.00
		50 mm Dia.	15.00	413.00	Rmt	6195.00
12	R.A.	Welding in all positions with required number of runs. for M. S. pipes internally and or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification. MJP DSR Page No. 194 Sr.No.				

NASHIK MUNICIPAL CORPORATION

ABSTRACT SHEET

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No	SSR No.	Description	Qty	Rate	Per	Amount
		Butt joints - 10 mm thick	SECTION-I(XVI) M. S. PIPE LAYING (186)			
			150.00	1484.70	Rmt	222705.00
13	R.A.	Gas cutting (either square cut or V cut) pipes, plates, etc. of thickness MJP DSR Page No. 196 Sr.No. 13	SECTION-I(XVI) M. S. PIPE LAYING (187)			
		5 to 10 mm thickness	10.00	156.45	Rmt	1564.50
		10 to 14mm thickness	10.00	200.55	Rmt	2005.50
14	R.A.	Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 ProportionValve Chamber with Precast steel fibre reinforced concrete (S.F.R.C.) frame & covers. MJP DSR Page No. 235 Sr.No. 3				
		90x60x120 cm	10.00	16139.55	No	161395.50
		increase in depth of 30Cm	8.00	2048.55	30cm depth	16388.40
		90x90x120 cm	10.00	20466.60	No	204666.00
		increase in depth of 30Cm	8.00	2397.15	30cm depth	19177.20
		120x120x120 cm	10.00	25321.80	No	253218.00
15	R.A.	Providing and fixing in position steel fibre reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tonnes capacity) MJP DSR Page No. 137 Sr.No. 17				
		90x45 cm	10.00	3665.55	No	36655.50
		90x60 cm	10.00	3973.20	No	39732.00
16	R.A.	Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour etc. complete either underground or in vertical position, as directed by Engineer-in-charge. MJP DSR Page No. 73 Sr.No. 2B	SECTION-I(III):G.I PIPES (94)			
		15mm Dia.	15.00	36.75	Rmt	551.25
		20mm Dia.	15.00	39.90	Rmt	598.50
		25 mm Dia.	15.00	48.30	Rmt	724.50
		40 mm Dia.	15.00	72.45	Rmt	1086.75
		50 mm Dia.	15.00	85.05	Rmt	1275.75
17	R.A.	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. PWD DSR Page No. 551 Sr.No. 42.72 to 42.77				
		15mm Dia.	10.00	1310.40	No.	13104.00
		25 mm Dia.	10.00	2642.80	No.	26428.00
		50 mm Dia.	10.00	9391.20	No.	93912.00
	B	**Water Supply Lines**		**Total Rs**		5317707.37

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

(P-56)

Name of Work:- Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
1	Providing Dl Pipes (push on joints pressure pipes of Dl of following class & Dia meters confirming to the lndian Standard Specification inclusive cost of jointing materials (Rubber Gasket of EPDM Quality) including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, Third Party Inspection charges of TPI agency approved by the MJP including transit insurance, Railway freight, unloading from railway wagon, loading in to the truck, transportation to departmental store / site of work, unloading, stacking etc. completed as directed by Engineer-in-Charge (lS:1536:2001 for pipes & lS:158:1969 & 15:12820:1989 or latest edition / revision with amendments for rubber gaskets). (lS:8329:2000 latest version) MJP DSR Page no 53 Sr No 3							
	D.I. K – 7							
	i) 100 mm Dia.		1	50			**50.00**	**Rmt**
	ii) 150 mm Dia.		1	50			**50.00**	**Rmt**
	iii) 200 mm Dia.		1	50			**50.00**	**Rmt**
	iv) 250 mm Dia.		1	50			**50.00**	**Rmt**
	v) 300 mm Dia.		1	50			**50.00**	**Rmt**
	vi) 350 mm Dia.		1	50			**50.00**	**Rmt**
	vii) 400 mm Dia.		1	50			**50.00**	**Rmt**
	viii) 450 mm Dia.		1	50			**50.00**	**Rmt**
2	Providing and supplying ISI standard CI flanged / S& S specials including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, railway freight, insurance, unloading from railway wagon, loading into truck transport to departmental store /site, unloading stacking etc. complete. MJP DSR Page no 72 Sr No 6 (a)							
	SECTION-I(I) C.I./D.I. PIPES (70)							
	D/F specials up to 300 mm		1	500			500	**kg**
	Above 350 mm upto 600 mm		1	500			500	**kg**
							1000.00	kg
3	Supply of C. I. Mechanical Compression Flanged / Socket Tail piece(Popularly known as I TM Flanged / Socket Tailpiece) suitable for making flanged connection with the plain barrel of C. I. Spun Pipes (as per - IS - 1536 /2001) and D. I. Pipes (as per IS: 8329 / 2000).The Tailpiec to be supplied complete with sealing rubber gasket of S.B.R,.C.I.. Follower Glands and M.S. Nut Bolts.The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538 /1993. The rates are inclusive of cost of material, forwarding charges,including all statutary duties and taxes such as GST levied by Gol and GoM in all respect, loading, transportation and unloading at departemental store etc. complete as directed. Consignee but exclusive of octroi. MJP DSR Page No. 143 Sr.No. 1							
	SECTION-I(XIII) MECHANICLA JOINTS/ FITTING (161)							
	80 mm Dia.		30				30	**No**
	100 mm Dia.		30				30	**No**
	125 mm Dia.		30				30	**No**
	150 mm Dia.		30				30	**No**
	200 mm Dia.		30				30	**No**
	250 mm Dia.		30				30	**No**
	300 mm Dia.		30				30	**No**
	350 mm Dia.		30				30	**No**
	400mm Dia.		30				30	**No**
	450mm Dia.		30				30	**No**
4	Supply of C.I. mechanical compression collar coupling suitable for C.I. spun pipes (as per IS-1536/2001) and complete with sealing rubber gasket of SBR. C.I.. follower glands and M.S. nut bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538/1993) including all statutary duties and taxes such as GST levied by Gol and GoM in all respect,MJP DSR Page No. 143 Sr.No. 2							

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

Sr. No.	Item	No.	Length	Breadth	Depth	Quantity	Total
	SECTION-I(XIII) MECHANICLA JOINTS / FITTING (161)						
	80 mm Dia.	25				25.00	No
	100 mm Dia.	25				25.00	No
	125 mm Dia.	25				25.00	No
	150 mm Dia.	25				25.00	No
	200 mm Dia.	25				25.00	No
	250 mm Dia.	25				25.00	No
	300 mm Dia.	25				25.00	No
	350 mm Dia.	25				25.00	No
	400 mm Dia.	25				25.00	No
	450 mm Dia.	25				25.00	No
5	Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete. MJP DSR Page No. 34						
	SECTION-EXCAVATION (40)						
		1	50	10		500.00	Bhp/hr
6	Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outsideincluding all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores / site, and stacking, etc. complete. MJP DSR Page no 72 Sr No 7 (d)						
	SECTION-I(I) C.I./D.I. PIPES (70)						
	D/F of all diametors	1	300			300.00	kg
7	Providing and making flanged joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of all jointing materials (rubber packing, nut bolts, etc.), labour, hydraulic testing etc. complete. MJP DSR Page No. 56 Sr.No. 8						
	SECTION-I(I)C.I./D.I.PIPES (71)						
	80 mm Dia.	15				15.00	Joint
	100 mm Dia.	15				15.00	Joint
	150 mm Dia.	15				15.00	Joint
	200 mm Dia.	15				15.00	Joint
	250 mm Dia.	15				15.00	Joint
	300 mm Dia.	15				15.00	Joint
	450 mm Dia.	15				15.00	Joint
	600 mm Dia.	15				15.00	Joint
8	Providing and making Mechanical joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of , labour, hydraulic testing etc. complete. MJP DSR Page No. Sr.No.						
	SECTION-I(I)C.I./D.I.PIPES (71)						
	80 mm Dia.	10				10.00	Joint
	100 mm Dia.	10				10.00	Joint
	150 mm Dia.	10				10.00	Joint
	200 mm Dia.	10				10.00	Joint
	300 mm Dia.	10				10.00	Joint
	450 mm Dia.	10				10.00	Joint
	600 mm Dia.	10				10.00	Joint

NASHIK MUNICIPAL CORPORATION
MESURMENT SHEET

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
9	Cutting and champhering of pipes of following diameters including cost of all materials and labour involved, etc. complete as directed by Engineer-in-charge (for all class of pipes). MJP DSR Page No. 137 Sr.No. 20							
	SECTION-I(XII) PIPES APPURTENANCES (156)							
	80 mm Dia.		15				**15.00**	**No.**
	100 mm Dia.		15				**15.00**	**No.**
	150 mm Dia.		15				**15.00**	**No.**
	200 mm Dia.		15				**15.00**	**No.**
	300 mm Dia.		15				**15.00**	**No.**
	450 mm Dia.		15				**15.00**	**No.**
	600 mm Dia.		15				**15.00**	**No.**
10	Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour, etc. complete. MJP DSR Page No. 54 Sr.No. 2							
	SECTION-I(I)C.I./D.I.PIPES (68)							
	80mm		15				**15.00**	**Rmt**
	100mm		15				**15.00**	**Rmt**
	150mm		11				**11.00**	**Rmt**
	200mm		11				**11.00**	**Rmt**
	300mm		11				**11.00**	**Rmt**
	450mm		11				**11.00**	**Rmt**
	600mm		11				**11.00**	**Rmt**
11	Providing ISI mark GI. pipe of following class and dia. including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004. G.I.PIPE - medium grade MJP DSR Page no 82 Sr No 1B							
	SECTION-(III):G.I PIPES (93)							
	b) Medium							
	15mm Dia.		15				**15.00**	**Rmt**
	20mm Dia.		15				**15.00**	**Rmt**
	25 mm Dia.		15				**15.00**	**Rmt**
	40 mm Dia.		15				**15.00**	**Rmt**
	50 mm Dia.		15				**15.00**	**Rmt**
12	Welding in all positions with required number of runs, for M. S. pipes internally and / or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification. MJP DSR Page No. 194 Sr.No. 7							
	SECTION-I(XVI) M. S. PIPE LAYING (186)							
			150				**150.00**	**Rmt**
13	Gas cutting (either square cut or V cut) pipes, plates, etc. of thickness MJP DSR Page No. 196 Sr.No. 13							
	SECTION-I(XVI) M. S. PIPE LAYING (187)							
	5 to 10 mm thickness		10				**10.00**	**Rmt**
	10 to 14mm thickness		10				**10.00**	**Rmt**
14	Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 Proportion Valve Chamber with Precast steel fibre reinforced concrete (S.F.R.C.) frame & covers. MJP DSR Page No. 235 Sr.No. 3							

NASHIK MUNICIPAL CORPORATION

MESURMENT SHEET

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Sr. No.	Item		No.	Length	Breadth	Depth	Quantity	Total
	90x60x120 cm		10				**10.00**	**No**
	increase in depth of 30Cm		8				**8.00**	**30cm depth**
	90x90x120 cm		10				**10.00**	**No**
	increase in depth of 30Cm		8				**8.00**	**30cm depth**
	120x120x120 cm		10				**10.00**	**No**
15	Providing and fixing in position steel fibre reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tonnes capacity) MJP DSR Page No. 137 Sr.No. 17							
	90x45 cm		10				**10.00**	**No**
	90x60 cm		10				**10.00**	**No**
16	Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour etc. complete either underground or in vertical position, as directed by Engineer-in-charge. MJP DSR Page No. 73 Sr.No. 2B							
	15mm Dia.		15				**15.00**	**Rmt**
	20mm Dia.		15				**15.00**	**Rmt**
	25 mm Dia.		15				**15.00**	**Rmt**
	40 mm Dia.		15				**15.00**	**Rmt**
	50 mm Dia.		15				**15.00**	**Rmt**
17	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. PWD DSR Page No. 551 Sr.No. 42.72 to 42.77							
	15mm Dia.		10				**10.00**	**No.**
	25 mm Dia.		10				**10.00**	**No.**
	50 mm Dia.		10				**10.00**	**No.**

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik

NASHIK MUNICIPAL
CORPORATION

TYPICAL CROSS SECTION

(TCS)

CIVIL TECH INDIA PVT. LTD



(9)

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DPR FOR WEST NASHIK DIVISION

CLIENT:

Executive Engineer West Nashik Division NMC Nashik.



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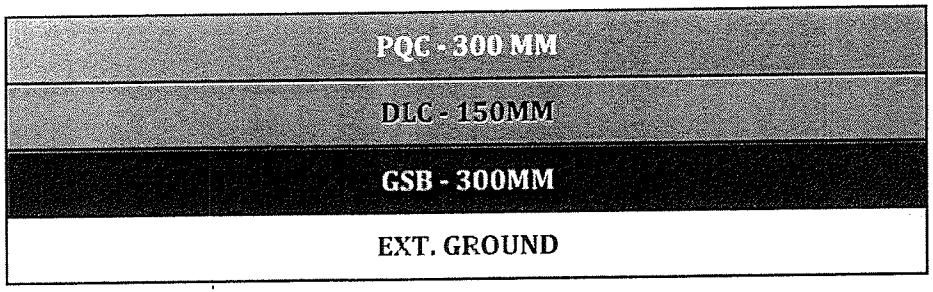
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CIVIL TECH INDIA PVT. LTD

DESIGN OF RIGID PAVEMENT AS PER IRC 58-2015

Road 15.2 - juna gangapur naka to canada corner Ch. 0+150 To 0+630
Road 15.3 - canada corner to HDFC chowk Ch. 0+630 To 1+230
Road 15.4 - HDFC chowk to sharanpur police chowki signal Ch. 1+230 To 1+590



Indian Roads Congress Guidelines IRC:58-2015
for Design of Jointed Plain Concrete Pavements

Example of Design of Slab Thickness for Pavement

(Beta value will be 0.66 for dowelled transverse joint and 0.90 for without dowels)

Type of pavement considered	
Carriageway	4 - LANE DIVIDED
Shoulders :- Tied concrete shoulders ? (yes/no)	yes
Transverse joint spacing (m)	4.5
Lane width (m)	3.5
Transverse joints have dowel bars? (yes/no)	yes
Design Traffic Estimation	
Design Period (years)	30
Total Two-way Commercial Traffic (cvpd) in the year of completion of construction	770
Av. Annual rate of growth of commercial traffic (expressed as decimal)	0.05
Cumulative No of Commercial vehicles during design period (two-way), A	18672638
Average No of axles per commercial vehicle, B (each tandem axle set is counted as one axle unit. Similarly, each tridem axle set is counted as one axle)	2.35
Cumulative No of Commercial Axles(steering,single, tandem,Tridem) during design period (two-way), C = A*B	43880700
Proportion of traffic in predominant direction , D	0.50
Design traffic factor (0.25 for 2-lane 2-way. For multilane highways the value is 0.25 X D), E	0.125
Traffic factor for BUC analysis (for six-hour period during day), F	0.2
Traffic factor for TDC analysis (for six-hour period during night), G	0.3
Design axle repetitions for BUC analysis (for 6 hour day time traffic), H = C*E*F	1097017
Proportion of vehicles with spacing between front and the first rear axle less than the spacing of transverse joints, I	0.55
Design axle repetitions for TDC analysis (for 6-hour night time traffic), J = C*E*G*I	905039
Proportion of Front single (steering) Axles, K1	0.480
Proportion of Rear single Axles,K2	0.428
Proportion of Tandem Axles, K3	0.066
Proportion of Tridem Axles, K4 = (1-K1-K2-K3)	0.026

Pavement Structural Details	
Modulus of subgrade reaction of subgrade, MPa/m, For CBR-4.6	39.2
Thickness of Granular Subbase, mm	300
Thickness of Dry Lean Concrete subbase, mm	150
Effective modulus of subgrade reaction of foundation, MPa/m	194
Unit weight of Concrete, kN/m3	24
28-day Flexural strength of cement concrete, MPa	4.5
Max. day-time Temperature Differential in slab, 0C (for bottom-up cracking)	21
Night-time Temperature Differential in slab, 0C (for top-down cracking) = day-time diff/2 + 5	15.5
Trial Thickness of Concrete Slab, m	0.3
Load Transfer Efficiency Factor for TDC analysis, Beta = 0.66 for dowel Joints, 0.90 for joints without dowels	0.66
Elastic Modulus of Concrete, Ec (MPa)	30000
Poisson's Ratio of Concrete, Mu	0.15
Radius of relative stiffness, m	0.77241
Design Axle Load Repetitions for Fatigue Analysis	
For Bottom-up Cracking Analysis	
Front single (steering) Axles = H * K1	526568
Rear single Axles = H * K2	469523
Tandem Axles = H * K3	72403
Tridem Axles = H * K4	28522
For Top-Down Cracking Analysis	
Front single (steering) Axles = J * K1	434419
Rear single Axles = J * K2	387357
Tandem Axles = J * K3	59733
Tridem Axles = J * K4	23531

Fatigue Analysis

Axle Load Spectrum Data

Rear Single Axle			Rear Tandem Axle			Rear Tridem Axle		
Load Group (kN)	Mid-Point of Load Group (kN)	Frequency (%)	Load Group (kN)	Mid-Point of Load Group (kN)	Frequency (%)	Load Group (kN)	Mid-Point of Load Group (kN)	Frequency (%)
185-195	190	0	380 - 400	390	0	530-560	545	0
175-185	180	0	360 - 380	370	0	500-530	515	0
165-175	170	0	340 - 360	350	0	470-500	485	0
155-165	160	0	320 - 340	330	0	440-470	455	0
145-155	150	0	300 - 320	310	0	410-440	425	19.2
135-145	140	0	280 - 300	290	0	380-410	395	10.1
125-135	130	0	260 - 280	270	6.66	350-380	365	25.3
115-125	120	6.68	240 - 260	250	15.98	320-350	335	18.2
105-115	110	4.68	220 - 240	230	26.42	290-320	305	18.2
95-105	100	4.53	200 - 220	210	15.98	260-290	275	0
85-95	90	3.78	180 - 200	190	4.77	230-260	245	0
< 85	80	80.33	< 180	170	30.19	< 230	215	9
		100			100			100

Fatigue Analysis

Bottom-up Cracking Fatigue Analysis for Day-time (6 hour) traffic and Positive Temperature Differential

Rear Single Axles					Rear Tandem Axles				
Expected Repetitions (ni)	Flex Stress MPa	Stress Ratio (SR)	Allowable Repetitions (Ni)	Fatigue Damage (ni/Ni)	Expected Repetitions (ni)	Flex Stress MPa	Stress Ratio (SR)	Allowable Repetitions (Ni)	Fatigue Damage (ni/Ni)
0	2.536	0.512	439600	0.000	0	2.162	0.437	infinite	0.000
0	2.466	0.498	834189	0.000	0	2.098	0.424	infinite	0.000
0	2.395	0.484	1851991	0.000	0	2.035	0.411	infinite	0.000
0	2.325	0.470	5331064	0.000	0	1.972	0.398	infinite	0.000
0	2.255	0.456	25695193	0.000	0	1.908	0.385	infinite	0.000
0	2.184	0.441	infinite	0.000	0	1.845	0.373	infinite	0.000
0	2.114	0.427	infinite	0.000	4822	1.781	0.360	infinite	0.000
31364	2.044	0.413	infinite	0.000	11570	1.718	0.347	infinite	0.000
21974	1.973	0.399	infinite	0.000	19129	1.654	0.334	infinite	0.000
21269	1.903	0.384	infinite	0.000	11570	1.591	0.321	infinite	0.000
17748	1.832	0.370	infinite	0.000	3454	1.528	0.309	infinite	0.000
377168	1.762	0.356	infinite	0.000	21859	1.464	0.296	infinite	0.000
469523	Fat Dam from Sing. Axles =			0.000	72403	Fat Dam from Tand Axles =			0.000
Total Bottom-up Fatigue Damage due to single and tandem axle loads =					0.000	+	0.000	=	0.000
DESIGN IS SAFE									

Top-Down Cracking Fatigue Analysis for Night-time (6 hour) traffic and Negative Temperature Differential

Rear Single Axles					Rear Tandem Axles (Stess computed for 50% of axle load)					Rear Tridem Axles (Stress computed for 33% of axle load)				
Expected Repetitions (ni)	Flex Stress MPa	Stress Ratio (SR)	Allowable Repetitions (Ni)	Fatigue Damage (ni/Ni)	Expected Repetitions (ni)	Flex Stress MPa	Stress Ratio (SR)	Allowable Repetitions (Ni)	Fatigue Damage (ni/Ni)	Expected Repetitions (ni)	Flex Stress MPa	Stress Ratio (SR)	Allowable Repetitions (Ni)	Fatigue Damage (ni/Ni)
0	2.518	0.509	510926	0.000	0	2.5427	0.514	417153	0.000	0	2.4782	0.501	738721	0.000
0	2.470	0.499	799452	0.000	0	2.4943	0.504	634232	0.000	0	2.4298	0.491	1224681	0.000
0	2.422	0.489	1343252	0.000	0	2.446	0.494	1025667	0.000	0	2.3815	0.481	2227682	0.000
0	2.373	0.479	2489942	0.000	0	2.3976	0.484	1802418	0.000	0	2.3332	0.471	4636125	0.000
0	2.325	0.470	5332207	0.000	0	2.3493	0.475	3563994	0.000	4518	2.2848	0.462	11943340	0.000
0	2.277	0.460	14417117	0.000	0	2.3009	0.465	8443478	0.000	2377	2.2365	0.452	45493449	0.000
0	2.228	0.450	60660551	0.000	3978	2.2526	0.455	27344406	0.000	5953	2.1881	0.442	infinite	0.000
25875	2.180	0.440	infinite	0.000	9545	2.2042	0.445	infinite	0.000	4283	2.1398	0.432	infinite	0.000
18128	2.132	0.431	infinite	0.000	15781	2.1559	0.436	infinite	0.000	4283	2.0914	0.423	infinite	0.000
17547	2.083	0.421	infinite	0.000	9545	2.1076	0.426	infinite	0.000	0	2.0431	0.413	infinite	0.000
14642	2.035	0.411	infinite	0.000	2849	2.0592	0.416	infinite	0.000	0	1.9948	0.403	infinite	0.000
311164	1.987	0.401	infinite	0.000	18033	2.0109	0.406	infinite	0.000	2118	1.9464	0.393	infinite	0.000
387357	Fat Dam from Sing. Axles =			0.000	59733	Fat Dam from Tand Axles =			0.000	23531	Fat Dam from Tridem Axles =			0.000
Total Top-Down Fatigue Damage =					0.000	+	0.000	+	0.000	=	0.001			
DESIGN IS SAFE														

Dowel Bar Design

Input Data Considered For Dowel Bar Design

1)	Slab Thickness, h (mm)	= 300
2)	Joint Width,z (mm)	= 20 mm (expansion joint), 5 mm (for contraction joint)
3)	Modulus of Subgrade reaction, k (Mpa/m)	= 39.2
4)	Radius of relative stiffness, l (mm)	= 772.41
5)	E for dowel bar (Mpa)	= 200000
6)	Modulus of dowel support, k_{mds} (Mpa/m)	= 415000
7)	Maximum Single axle load (kN)	= 120
8)	Maximum single wheel load (kN)	= 60 considering dual wheel as single wheel for a safe design)
9)	Assume a load transfer of 30% at terminal stage to the tied concrete shoulder. If no concrete shoulders are provided, no load transfer to shoulder may be assumed	
10)	Wheel load for dowel bar design (kN)	= 42
11)	Safety of the dowel bar is examined for a wheel load of 42 kN	
12)	Assume the percentage of load transfer through dowel bar as 50% for 100% joint efficiency. The load to be transferred (kN)	= 21
13)	Permissible bearing stress in concrete is calculated (using equation 15) as	
	$F_b = (101.6-b_d)F_{ck}/95.25$	
	Where,	
	Fck = characteristic compressive	= 40 Mpa for M40 grade
	b_d = diameter of the dowel bar (mm)	= 32 (assumed)
	F_b = (101.6-bd)Fck/95.25	= 29.23
14)	Spacing between the dowel bars (assumed)mm	= 300
15)	First dowel bar is placed at a distance of 150mm from the pavement edge	
16)	Assumed length of the dowel bar (mm)	= 600

17)	Dowel bars up to a distance of 1.0 x radius of relative stiffness (l), from the point of load application are effective in load transfer	
18)	Number of dowel bars participating in load transfer when the wheel load is just over the dowel bar close to the edge of the slab = 1 + l/spacing	= 4 dowels
19)	Assuming that the load transferred by the first dowel is Pt and that the load on dowel bar at a distance of l from the first dowel is zero, the total load transferred by dowel bar system = (1+ (l -1st dowel distance) /l + (l – 2nd dowel distance)/l + (l – 3rd dowel distance)/l)P_t	= 1.67 *p_t
20)	Load carried by the outer dowel bar, P_t (kN)	= 12.58
21)	Check for Bearing Stress	
22)	Moment of Inertia of Dowlel = $\prod(b_d)^4 64$ (mm^4)	= 51445.8
23)	Relative stiffness of dowel bar embedded in concrete, (mm^{-1}) $\beta = \sqrt[4]{\frac{k_{mds} b_d}{4EI}}$	= 0.024
24)	Bearing stress in dowel bar $F_{bmax} = (P_t X k_{mds}) X (2+\beta_z)/(4\beta^3 EI)$ (Mpa)	= 23.20 which is less than 29.23 MPa

Hence, the dowel bar spacing and diameter assumed are safe.

Tie Bar Design

Input Data Considered For Tie Bar Design

1)	Slab Thickness (m)	=	0.3
2)	Lane Width,b (m)	=	3.5
3)	Coefficient of Friction,f	=	1.5
4)	Density of Concrete, kN/m^3	=	24
5)	Allowable tensile stress in plain bars, MPa (As per IRC:15-2011)	=	125
6)	Allowable tensile stress in deformed bars, MPa (As per IRC:15-2011)	=	200
7)	Allowable bond stress for plain bars, Mpa	=	1.75
8)	Allowable bond stress for deformed bars, Mpa	=	2.46

Design For Plain bars

1)	Select diameter of tie bar, d_t (mm)	=	12	
2)	Area of plain steel bar required meter width of joint to resist the frictional force at slab bottom,A_s = bfW/S_{st}, (mm^2/m)	=	302.4	
3)	Cross sectional area of tie bar, $A=12^2X\prod/4$ (mm^2)	=	113.0	
4)	Perimeter of tie bar, $P_{ptb}=\prod d$ (mm)	=	37.7	
5)	Spacing of tie bars, = A/A_s (mm)	=	373.8	
6)	Provide a spacing of 370mm c/c Length of tie bar, $L=2XS_{st}XA/BXP_{ptb}$ (mm)	=	428.6	
7)	Increase length by 100 mm for loss of bond due to painting and another 50 mm for tolerance in placement.			
8)	Therefore, the required length of tie bar (mm)	=	578.6	say 580 mm

Design For Deformed bars

1)	Select diameterof tie bar, d_t (mm)	=	12	
2)	Area of plain steel bar required per meter width of joint to resist the frictional force at slab bottom, $A_s = bfW/S_{st}$ (mm^2/m)	=	189	
3)	Spacing of tie bars, = A/A_s (mm)	=	598.1	
4)	Provide a spacing of 600 mm c/c			
5)	Length of tie bar, $L=2XS_{st}XA/BXP_{ptb}$ (mm)	=	487.8	
6)	Increase length by 100 mm for loss of bond due to painting and another 50 mm for tolerance in placement.			
7)	Therefore, the required length of tie bar (mm)	=	637.8	say 640 mm

Tie Bar Design

Input Data Considered For Tie Bar Design

1)	Slab Thickness (m)	=	0.3
2)	Lane Width,b (m)	=	3.5
3)	Coefficient of Friction,f	=	1.5
4)	Density of Concrete, kN/m^3	=	24
5)	Allowable tensile stress in plain bars, MPa (As per IRC:15-2011)	=	125
6)	Allowable tensile stress in deformed bars, MPa (As per IRC:15-2011)	=	200
7)	Allowable bond stress for plain bars, Mpa	=	1.75
8)	Allowable bond stress for deformed bars, Mpa	=	2.46

Design For Plain bars

1)	Select diameter of tie bar, d_t (mm)	=	16	
2)	Area of plain steel bar required meter width of joint to resist the frictional force at slab bottom,A_s = bfW/S_{st}, (mm^2/m)	=	302.4	
3)	Cross sectional area of tie bar, A=$12^2X\prod/4$ (mm^2)	=	201.0	
4)	Perimeter of tie bar, $P_{ptb}=\prod d$ (mm)	=	50.2	
5)	Spacing of tie bars, = A/A_s (mm)	=	664.6	
6)	Provide a spacing of 660 mm c/c Length of tie bar, $L=2XS_{st}XA/BXP_{ptb}$ (mm)	=	571.4	
7)	Increase length by 100 mm for loss of bond due to painting and another 50 mm for tolerance in placement.			
8)	Therefore, the required length of tie bar (mm)	=	721.4	say 720 mm

Design For Deformed bars

1)	Select diameterof tie bar, d_t (mm)	=	12	
2)	Area of plain steel bar required per meter width of joint to resist the frictional force at slab bottom, $A_s = bfW/S_{st}$ (mm^2/m)	=	189	
3)	Spacing of tie bars, = A/A_s (mm)	=	1063.3	
4)	Provide a spacing of 1060 mm c/c			
5)	Length of tie bar, $L=2XS_{st}XA/BXP_{ptb}$ (mm)	=	650.4	
6)	Increase length by 100 mm for loss of bond due to painting and another 50 mm for tolerance in placement.			
7)	Therefore, the required length of tie bar (mm)	=	800.4	say 800 mm

Details of Dowel Bar And Tie Bars

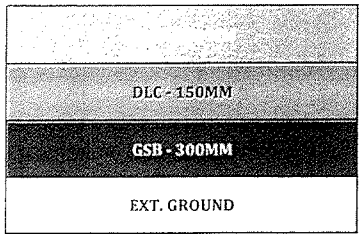
Recommended Dimensions of Dowel Bars

Slab Thickness mm	Diameter, mm	Length, mm	Spacing, mm
300	32	600	300

Details of Tie Bars for Longitudinal Joint of Rigid Pavement

Slab Thickness mm	Diameter, mm	max. Spacing, mm		Minimum Length, mm	
		Plain	Deformed	Plain	Deformed
300	12	370	600	580	640
	16	660	1060	720	800

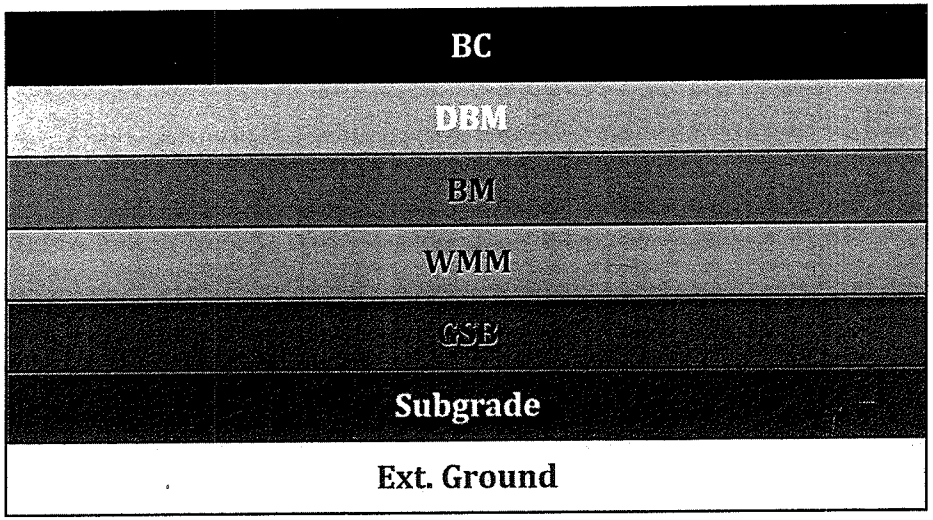
Pavement Composition



DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 15.6 - mico circle to chandak circle Ch. 1+810 To 2+420
2) Road 15.8 - SSK hotel to mahamarg taxi stand-mumbai naka Ch. 2+630 To 3+500
3) Road 15.9 - milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki Ch. 0+000 To 0+550

DESIGN LIFE 20 YRS. & 40 MSA











Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	4.6	
4	CBR of borrow material (%)	=	9.4	
5	Elastic modulus of embankment soil	=	46.00 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	73.84 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 73.84 MPa and the semi-infinite embankment soil of modulus 46.00 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.22 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.22 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.70 Mpa	
14	Effective CBR	=	8.02 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.02 % for 66.70 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

●	Design Input			
	For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
	Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018
●	Cumulative Number of standard axles to be catered for in the design, N (msa)	=	40	....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
●	Effective CBR of subgrade (%)	=	8.00	
●	Grade of Bitumen	=	VG40	
Calculation				
●	**Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64**	=	**66.60**	.....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
●	Select trial section			
	BC (mm)	=	40	
	DBM (mm)	=	60	
	BM (mm)	=	55	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
	WMM (mm)	=	250	
	GSB (mm)	=	200	
	Total granular thk. (mm)	=	450	
●	**Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$**	=	**208.19**	.....Refer Eq. 7.1 As per IRC 37:2018
●	Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)			
		=	0.000390	.....Refer Eq. 3.2 As per IRC 37:2018
●	**Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V]^{4.5337}$			

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

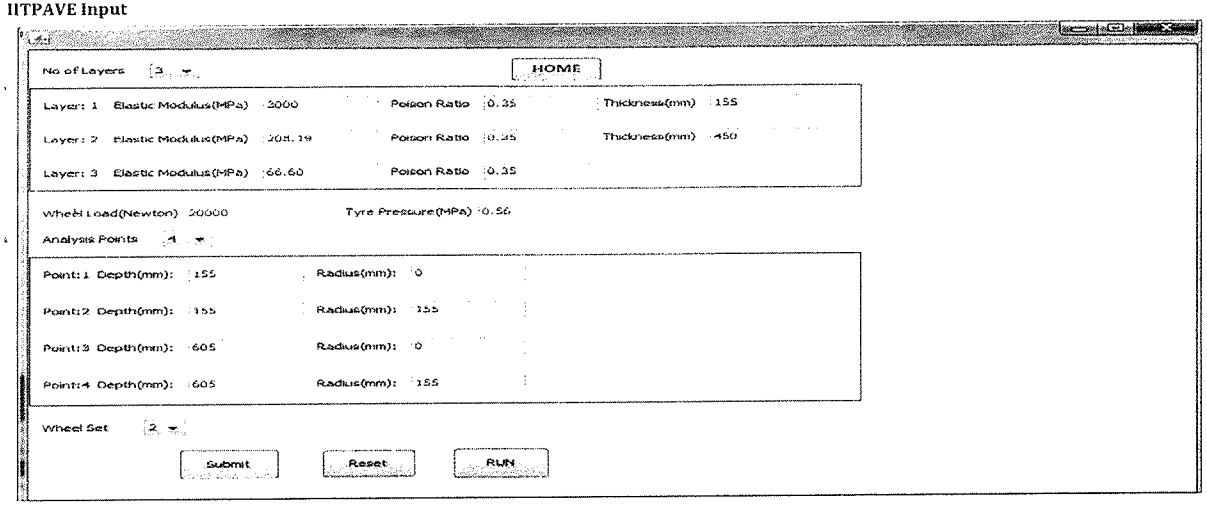
m=	0.37		
c=	2.35		
εt =	0.000189	.....Refer Eq. 3.4 As per IRC 37:2018	

- Analyse the pavement using IITPAVE with the following inputs

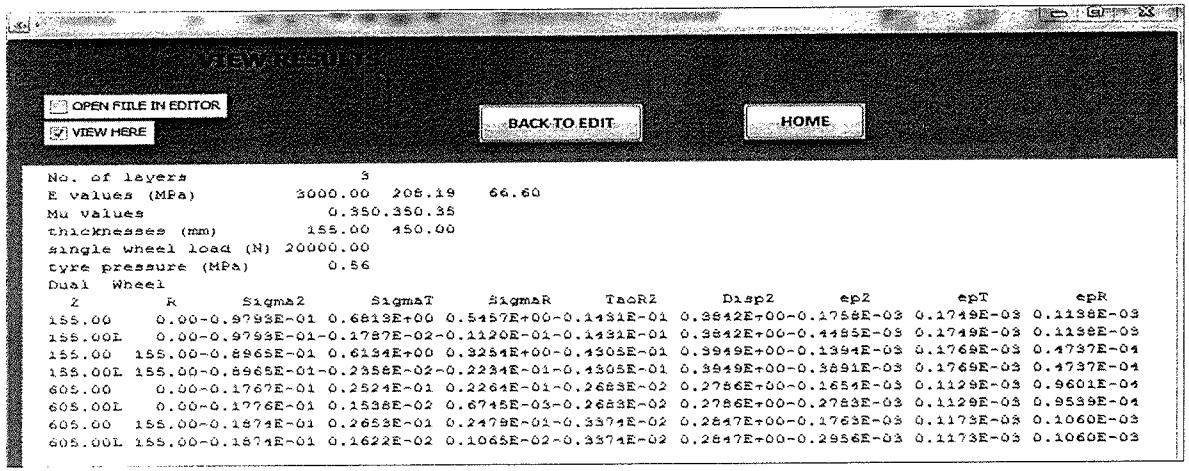
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)           3000.00  208.19   66.60
Mu values                   0.350.350.35
thicknesses (mm)          155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)         0.56
Dual  Wheel
  Z         R       Sigma2       SigmaT       SigmaR       TaoRZ        Disp2        ep2          epT          epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6134E+00 0.3284E+00-0.1305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
155.00L  155.00-0.8965E-01-0.2356E-02-0.2234E-01-0.1305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.4737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
605.00L  155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
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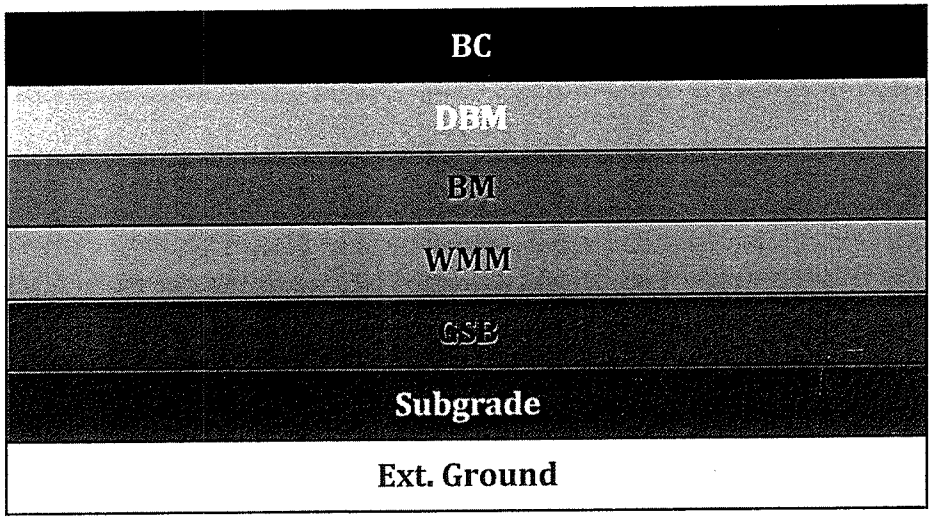
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	65	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-9.4%)	500	mm
Ext. Ground		

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 16.1 - Govind nagar, Nandini river to CCM Circle To Sambhaji Chowk Ch. 0+000 To 0+500
2) Road 16.2 - CCM Circle To ABB Circle Ch. 0+000 To 1+110
3) Road 16.3 - ABB Circle To Mahatma Nagar Signal Ch. 1+110 To 2+130
4) Road 16.4 - Mahatma Nagar Signal To Lokmat Circle Ch. 2+130 To 2+760
5) Road 16.5 - Lokmat Circle To Jehan Circle Ch. 2+760 To 3+150
6) Road 16.6 - Jehan Circle To Nerlikar Circle Ch. 3+150 To 3+420
7) Road 16.8 - Narsingh nagar To Aayodhya Chauk Ch. 3+750 To 3+960
8) Road 16.9 - Aayodhya Chauk To Chandashi Bridge Ch. 3+960 To 4+200

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	9.5	
4	CBR of borrow material (%)	=	7.7	
5	Elastic modulus of embankment soil	=	74.35 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	64.99 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 64.99 MPa and the semi-infinite embankment soil of modulus 74.35 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.22 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.22 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.64 Mpa	
14	Effective CBR	=	8.01 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.01 % for 66.64 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

● Design Input			
For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018
● Cumulative Number of standard axles to be catered for in the design, N (msa)	=	40	....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
● Effective CBR of subgrade (%)	=	8.00	
● Grade of Bitumen	=	VG40	

Calculation

● **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64**	=	**66.60**	.....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
● Select trial section			
BC (mm)	=	40	
DBM (mm)	=	60	
BM (mm)	=	55	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	
● **Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$**	=	**208.19**	.....Refer Eq. 7.1 As per IRC 37:2018
● Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)			
	=	0.000390	.....Refer Eq. 3.2 As per IRC 37:2018
● **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V)^{4.5337}$			

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

	m=	0.37	
	c=	2.35	
εt =		0.000189	.....Refer Eq. 3.4 As per IRC 37:2018

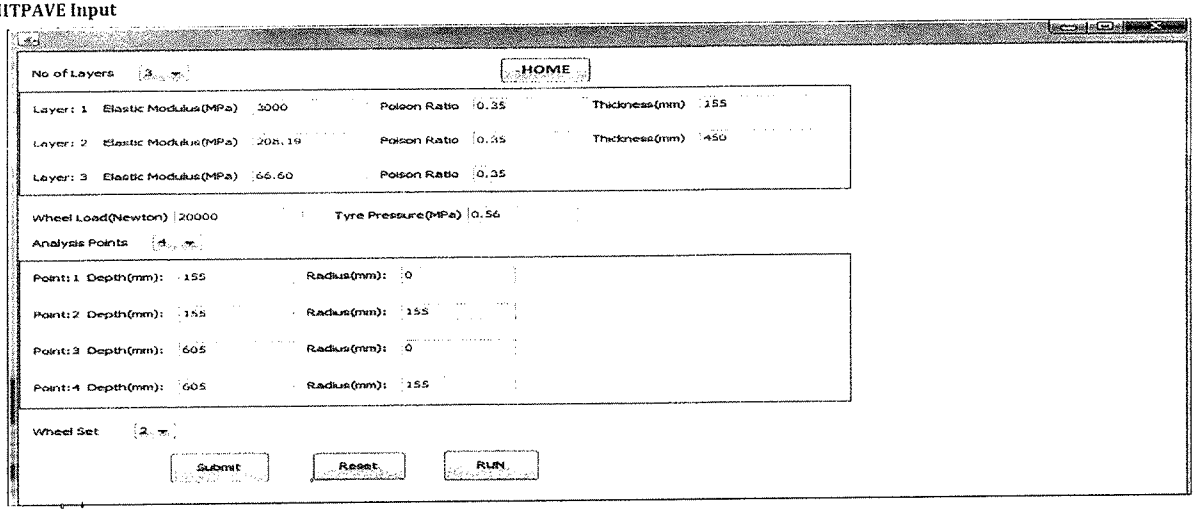
- Analyse the pavement using IITPAVE with the following inputs

elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

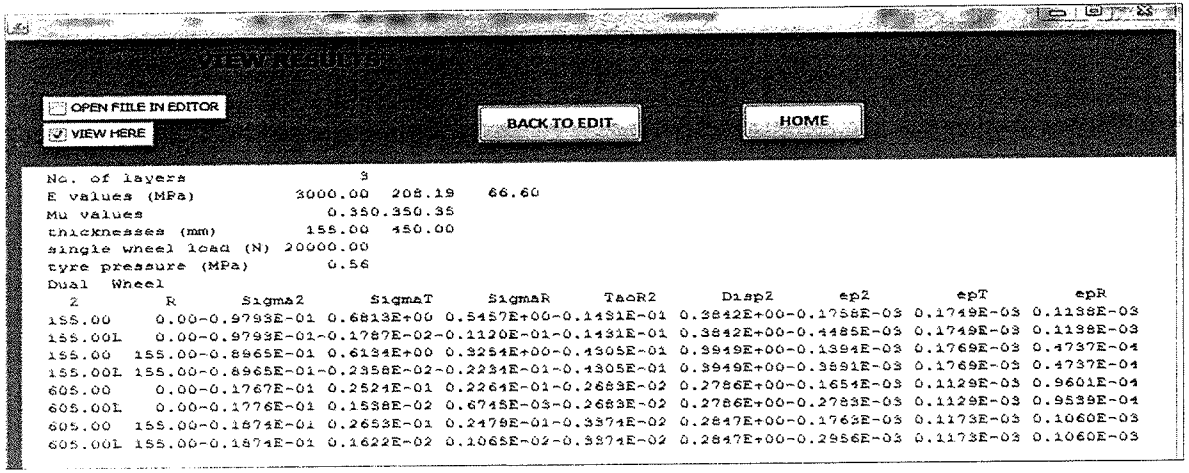
Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & Et)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & EV)	=	0.000296	<	0.000390	ok



IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)          3000.00  208.19   66.60
Mu values                  0.350.350.35
thicknesses (mm)         155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)        0.56
Dual  Wheel
   Z         R       Sigma2       SigmaT       SigmaR       TaoR2        Disp2        ep2          epT          epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1481E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6184E+00 0.3254E+00-0.1305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
155.00L  155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.1305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.4737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6748E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1674E-01 0.2653E-01 0.2479E-01-0.3874E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
605.00L  155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3874E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
```

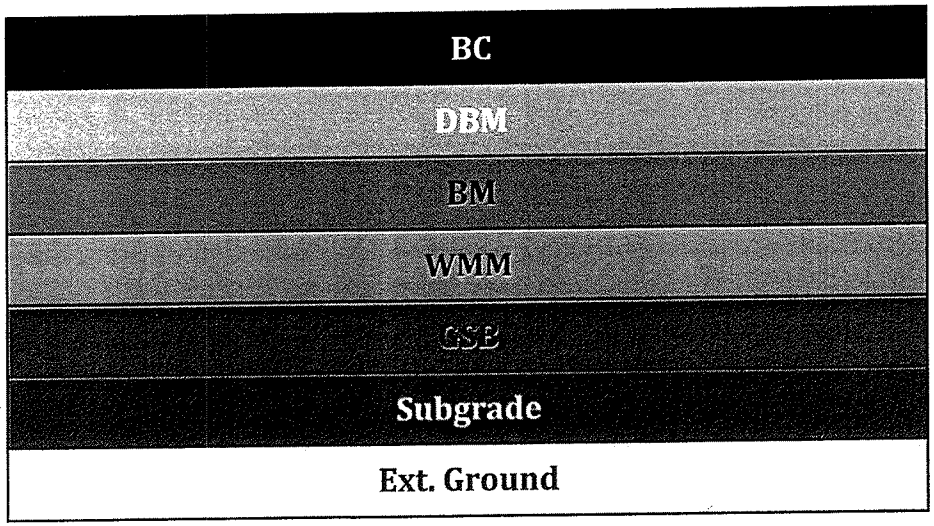
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.7%)	500	mm
Ext. Ground		

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 17.1 - Ashok Stambh To Gole Colony Chauk Ch. 0+030 To 0+210
2) Road 17.6 - Vidyavikas Circle To KBT Circle Ch. 1+950 To 2+250
3) Road 17.8 - Prasad Circle To Jehan Circle Ch. 2+640 To 3+220

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	8.4	
4	CBR of borrow material (%)	=	7.9	
5	Elastic modulus of embankment soil	=	68.71 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	66.07 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 66.07 MPa and the semi-infinite embankment soil of modulus 68.71 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.23 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.23 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.61 Mpa	
14	Effective CBR	=	8.00 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.00 % for 66.61 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

- Design Input

For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018

- Cumulative Number of standard axles to be catered for in the design, N (msa) = 40 ....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
- Effective CBR of subgrade (%) = 8.00
- Grade of Bitumen = VG40

Calculation

- **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64** = **66.60** .....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
- Select trial section

BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
DBM (mm)	=	60	
BM (mm)	=	55	
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	

- **Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$** = **208.19** .....Refer Eq. 7.1 As per IRC 37:2018
- Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)

  = 0.000390 .....Refer Eq. 3.2 As per IRC 37:2018

- **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V)^{4.5337}$

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

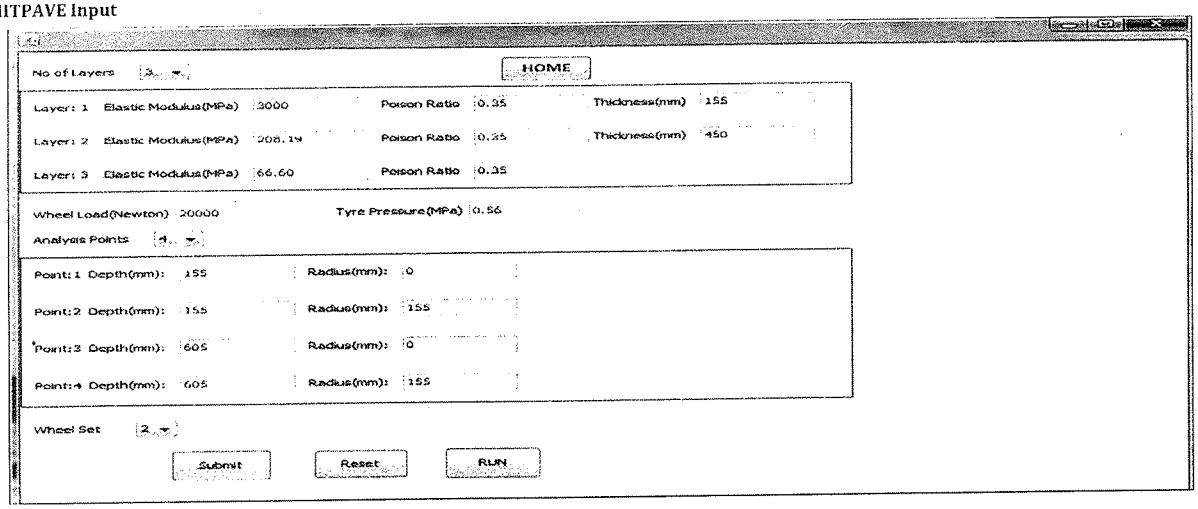
	m=	0.37	
	c=	2.35	
εt =		0.000189	.....Refer Eq. 3.4 As per IRC 37:2018

- Analyse the pavement using IITPAVE with the following inputs

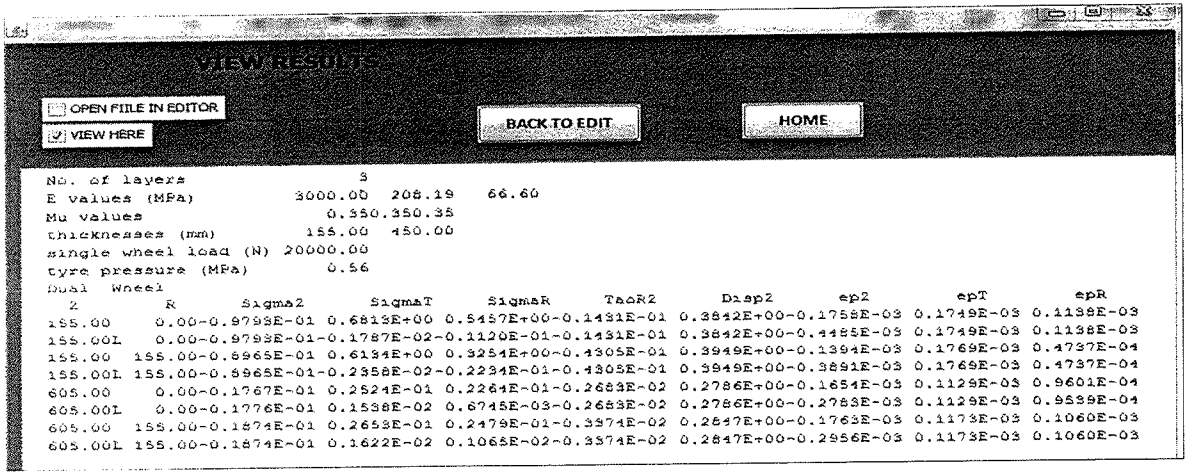
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)           3000.00  208.19   66.60
Mu values                   0.350.350.35
thicknesses (mm)          155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)         0.56
Dual  Wheel
   Z         R       Sigma2       SigmaT       SigmaR       TaoR2        Disp2        ep2          epT          epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6134E+00 0.3254E+00-0.4305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
155.00L  155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.4305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.4737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
605.00L  155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
```

Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.9%)	500	mm
Ext. Ground		

DESIGN OF WHITETOPPING AS PER IRC SP 76-2015

Road 18.1 - Khadkali Signal Circle To Trimbak Naka (cc Road) Ch. 0+000 To 0+570

White Topping - 200 MM
DBM - 75MM
EXT. CRUST

Design Parameters

1	Design Life (Years)	=	20
2	Traffic Growth Rate,r	=	0.05
3	Commercial Traffic (cvpd)	=	770
4	Grade of Concrete	=	M40
5	Cumulative Repetitions in 20 Years	=	770x365[(1+0.05)^20-1]/0.05 9293186.401
6	Design Traffic (CVPD)	=	25% of cumulative repetitions **2323296.6**
7	CBR %	=	12.2
8	Corresponding k value (kg/cm^3)	=	5.91
9	k Value of existing BT surface (kg/cm^3)	=	12.22
10	A minimum value of modified modulus of subgrade reaction (kg/cm^3)	=	12.22
11	Radius of Relative Stiffness, l_e (cm)	=	69.91
12	Size of Panel (m)	=	1x1

1.1 Percentage of different Axle Loads assumed are given in Table 1

Table 1: Percentage of Axle Load for the Design of TWT

Single Axle Loads		Tandom Axle Loads	
Axle Load Class, Tons	% of Axle Loads	Axle Load Class, Tons	% of Axle Loads
15-17	0	26-30	0
13-15	0	22-26	0
11-13	0.18	18-22	0.11
9-11	1.34	14-18	0.16
7-9	1.71	Less Than 14	18.21
Less than 8	78.29		
	81.52		18.48

Trial Thickness (cm)	20
Subgrade Modulus (kg/cm^3)	12.22
Design period (Years)	20
Modulus of Rupture (kg/cm^4)	45
Load Safety Factor	1

1.2 Expected Repetition are given in Table 2

Table 2: Expected Repetition for Axle Loads

Single Axle Loads		Tandom Axle Loads	
Axle Load in Tonnes	Expected Repetitions	Axle Load in Tonnes	Expected Repetitions
16	0	28	0
14	0	24	0
12	4182	20	2556
10	31132	16	3717
8	39728	Less than 16	423072
Less than 8	1818909		429345
	1893951		

1.3 Analysis of Fatigue Life Consumption

Axle Loads, Tonnes,	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
16	14.91	0.33	0	infinite	0.00
14	13.04	0.29	0	infinite	0.00
12	11.18	0.25	4182	infinite	0.00
10	9.32	0.21	31132	infinite	0.00
8	7.45	0.17	39728	infinite	0.00
Less than 8			1818909	infinite	0.00
				Total	0.00

Axle Loads, Tonnes	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
28	15.81	0.35	0	infinite	0.00
24	13.55	0.30	0	infinite	0.00
20	11.30	0.25	2556	infinite	0.00
16	9.04	0.20	3717	infinite	0.00
Less than 16			423072	infinite	0.00
				Total	0.00

The cumulative life consumed both by single and tandem axle is 0 which is less than 1

1.4 Temperature Curling Stresses

$\sigma_T = 1.933\text{-}241000(\alpha \Delta T) + 1.267(L/l_e)$

ΔT = - 0.15°C/cm x Thickness of white topping overlay

ΔT = -3 °C

α = 10×10^{-6}

L = Length of square slab=100 cm

le = Radius of relative stiffness=69.91cm

Thus,

σ_T = $1.933\text{-}241000[10x10^{-6}(-3)]+1.267(100/69.91)$

= 10.98 kg/cm^2

Total flexural stresses due to load and curling= Maximum load stresses+curling stresses

= 15.81+10.98

= 26.79 kg/cm^2

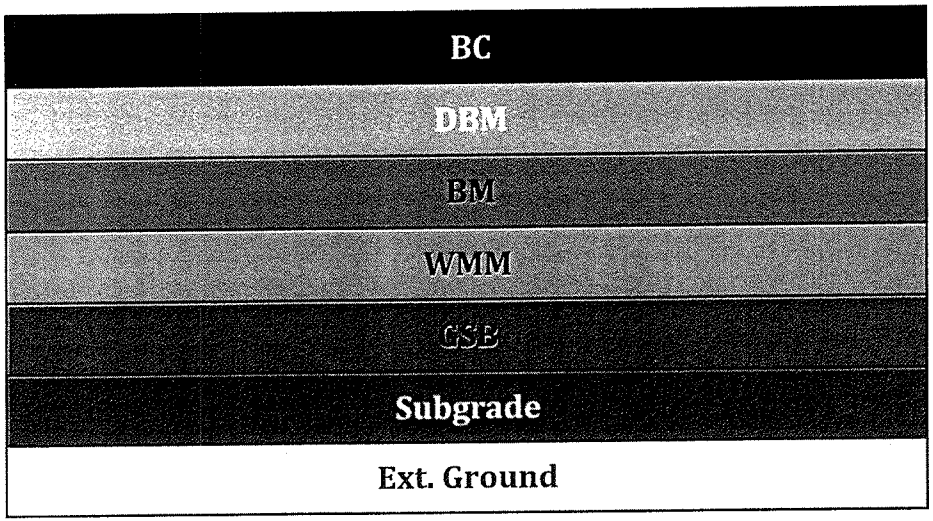
This is less than the minimum flexural strength of 45 kg/cm^2

Hence, White topping thickness of 20 cm is safe.

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 18.4 - Panchawati Ellite To ABB Circle (Widening at PTC) Ch. 1+920 To 2+880
2) Road 18.5 - ABB Circle To ITI Circle Ch. 2+880 To 3+300

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	12.2	
4	CBR of borrow material (%)	=	7.4	
5	Elastic modulus of embankment soil	=	87.25 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	63.36 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 63.36 MPa and the semi-infinite embankment soil of modulus 87.25 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.21 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.21 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.97 Mpa	
14	Effective CBR	=	8.07 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.07 % for 66.97 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

- Design Input

For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018

- Cumulative Number of standard axles to be catered for in the design, N (msa) = 40 ....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
- Effective CBR of subgrade (%) = 8.00
- Grade of Bitumen = VG40

Calculation

- **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64** = **66.60** .....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
- Select trial section

BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
DBM (mm)	=	60	
BM (mm)	=	55	
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	

- **Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$** = **208.19** .....Refer Eq. 7.1 As per IRC 37:2018
- Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)

  = 0.000390 .....Refer Eq. 3.2 As per IRC 37:2018

- **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V)^{4.5337}$

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

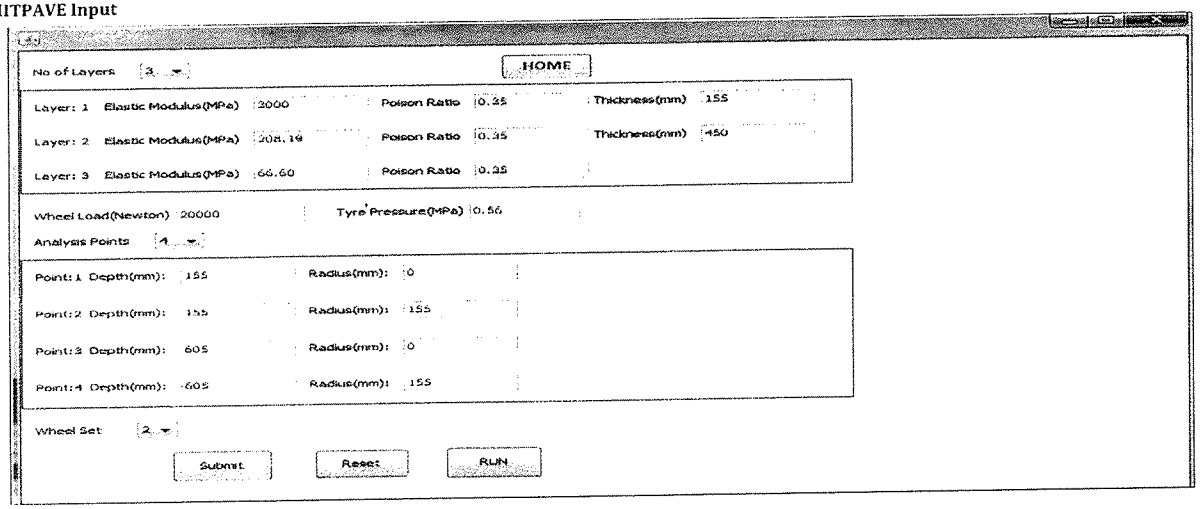
m=	0.37		
c=	2.35		
εt =	0.000189	.....Refer Eq. 3.4 As per IRC 37:2018	

- Analyse the pavement using IITPAVE with the following inputs

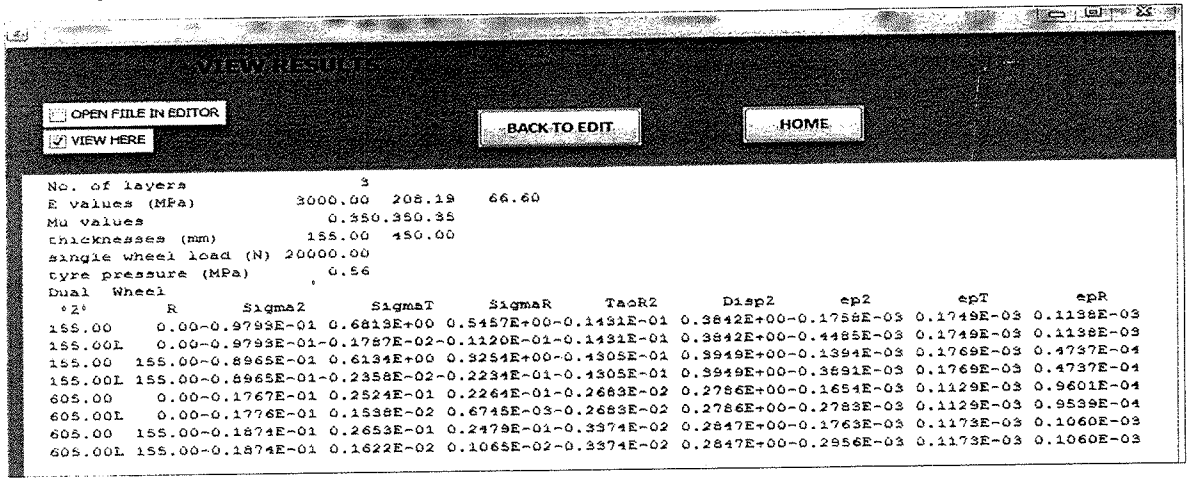
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)           3000.00  208.19   66.60
Mu values                   0.350.350.35
thicknesses (mm)          155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)          0.56
Dual  Wheel
  °Z°        R       Sigma2       SigmaT       SigmaR       TauR2        Disp2        ep2          epT          epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1491E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1491E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6134E+00 0.9254E+00-0.1305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
155.00L 155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.1305E-01 0.3949E+00-0.3691E-03 0.1769E-03 0.4737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
605.00L 155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
```

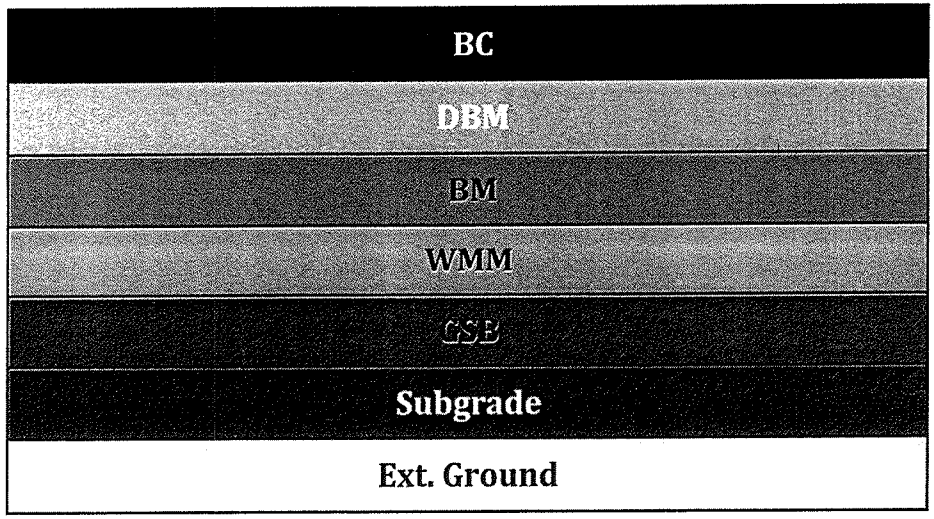
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.4%)	500	mm
Ext. Ground		

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 19.1 - Forest Nursery Bridge To Datta Mandir Chauk Ch. 0+000 To 0+300
2) Road 19.2 - Datta Mandir Chauk To L. Vasant Pawar Chauk Ch. 0+300 To 0+510
3) Road 19.3 - L.Vasant Pawar Chauk To Wagh Guruji School Chauk Ch. 0+510 To 0+920
4) Road 19.4 - Wagh Guruji School Chauk To KBT Circle Ch. 0+920 To 1+290
5) Road 19.5 - KBT Circle To PTA Kulkarni Chauk Ch. 1+290 To 1+800
6) Road 19.6 - PTA Kulkarni Chauk To Sidhharth Nagar Slum Jn Ch. 1+800 To 2+430

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300	mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500	mm	(upper layer)
3	CBR of embankment soil (%)	=	5.3		
4	CBR of borrow material (%)	=	8.9		
5	Elastic modulus of embankment soil	=	51.17	Mpa	(lower layer)
6	Elastic modulus of borrow material	=	71.31	Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 71.31 MPa and the semi-infinite embankment soil of modulus 51.17 MPa				
	Consider				
8	Poisson's ratio for both the layers	=	0.35		
9	Single wheel load	=	40000	N	
10	Contact pressure (p)	=	0.56	Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8	mm	
12	Surface deflection at the centre of the load (δ)	=	2.23	.....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.23 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.61	Mpa	
14	Effective CBR	=	8.00	%	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.00 % for 66.61 MPa.				

Design of Granullar & BT Layer (As Per IRC:37-2018)

●	Design Input			
	For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
	Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018
●	Cumulative Number of standard axles to be catered for in the design, N (msa)	=	40	....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
●	Effective CBR of subgrade (%)	=	8.00	
●	Grade of Bitumen	=	VG40	
Calculation				
●	**Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64**	=	**66.60**	.....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
●	Select trial section			
	BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
	DBM (mm)	=	60	
	BM (mm)	=	55	
	WMM (mm)	=	250	
	GSB (mm)	=	200	
	Total granular thk. (mm)	=	450	
●	**Resilient modulus of the granular layer (Mpa), 0.2(h)^0.45*$M_{RSUPPORT}$**	=	**208.19**	.....Refer Eq. 7.1 As per IRC 37:2018
●	Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)			
		=	0.000390	.....Refer Eq. 3.2 As per IRC 37:2018
●	**Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V]^{4.5337}$			

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

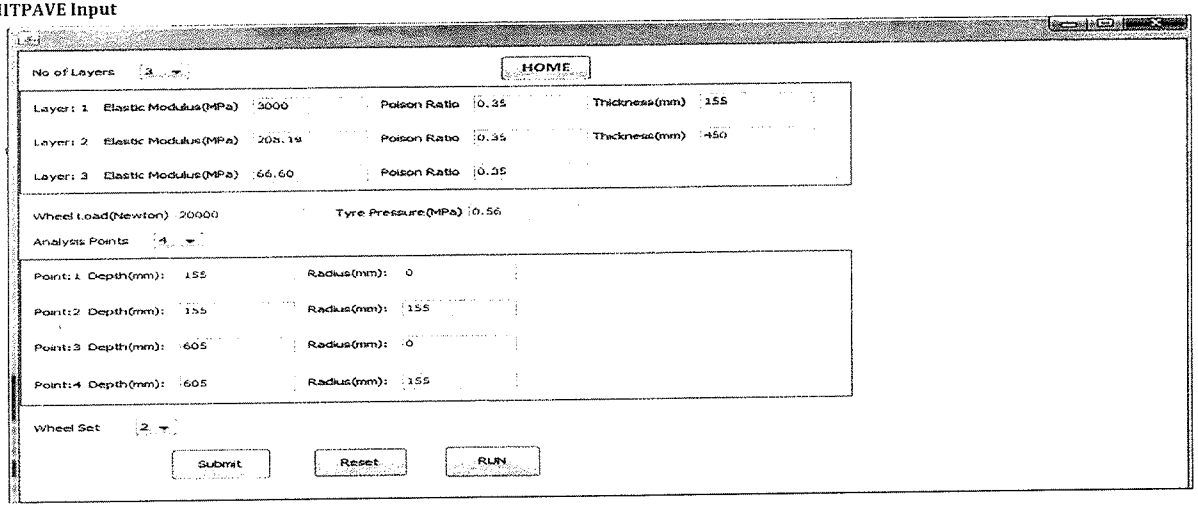
	m=	0.37	
	c=	2.35	
	εt =	0.000189	.....Refer Eq. 3.4 As per IRC 37:2018

- Analyse the pavement using IITPAVE with the following inputs

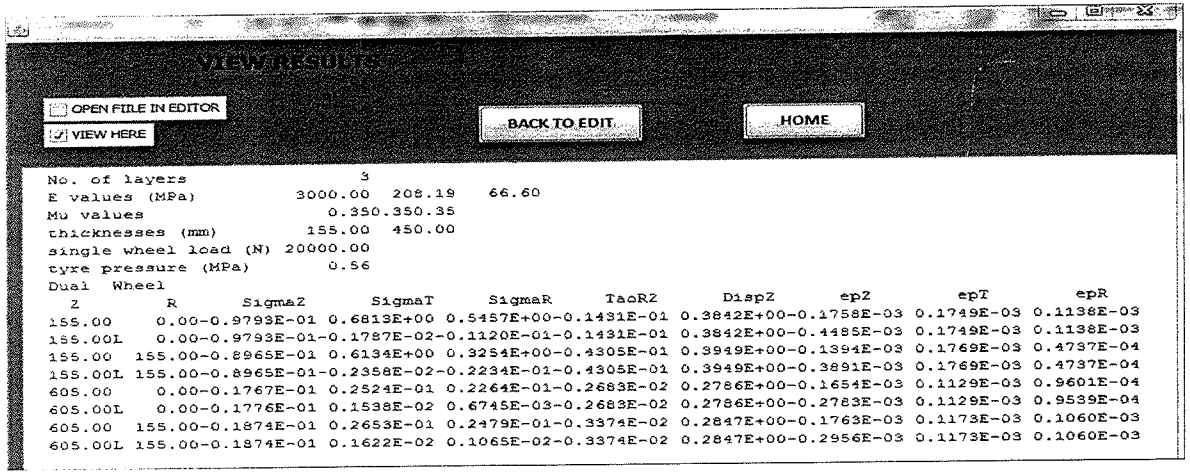
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & Et)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & EV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)           3000.00  208.19   66.60
Mu values                   0.350.350.35
thicknesses (mm)          155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)         0.56
Dual  Wheel
  Z         R        SigmaZ        SigmaT        SigmaR        TaoR2         DispZ         ep2           epT           epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6134E+00 0.3254E+00-0.4305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
155.00L  155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.4305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.4737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
605.00L  155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
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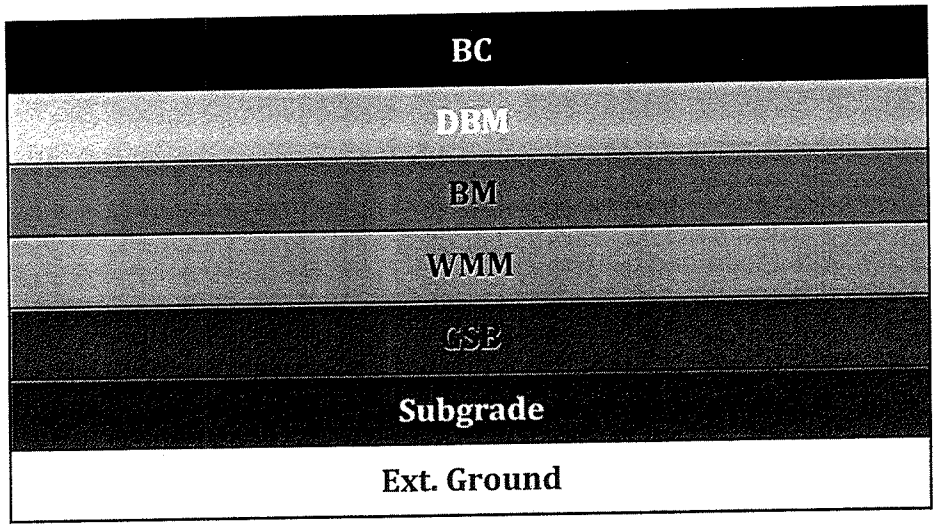
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	65	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-8.9%)	500	mm
Ext. Ground		

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 20.1 - Chopda Lawns To Horizon School Road Ch. 0+300 To 1+440
2) Road 20.3 - Datta Chowk To Nirmala Convent Chowk Ch. 0+000 To 0+390
3) Road 20.4 - Nirmala Convent Chowk To Chaitanya Nagar Ch. 0+390 To 0+690
4) Road 20.6 - Chandashi Bridge Rd To Aasaram Bapu Aashram Ch. 1+050 To 1+260

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	10.7	
4	CBR of borrow material (%)	=	7.5	
5	Elastic modulus of embankment soil	=	80.23 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	63.91 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 63.91 MPa and the semi-infinite embankment soil of modulus 80.23 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.23 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.23 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.55 Mpa	
14	Effective CBR	=	7.99 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 7.99 % for 66.55 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

● Design Input			
For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018
● Cumulative Number of standard axles to be catered for in the design, N (msa)	=	40	....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
● Effective CBR of subgrade (%)	=	8.00	
● Grade of Bitumen	=	VG40	
Calculation			
● **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64**	=	**66.60**	.....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
● Select trial section			
BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
DBM (mm)	=	60	
BM (mm)	=	55	
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	
● **Resilient modulus of the granular layer (Mpa), 0.2(h)^0.45*$M_{RSUPPORT}$**	=	**208.19**	.....Refer Eq. 7.1 As per IRC 37:2018
● Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)			
	=	0.000390	.....Refer Eq. 3.2 As per IRC 37:2018
● **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V)^{4.5337}$			

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

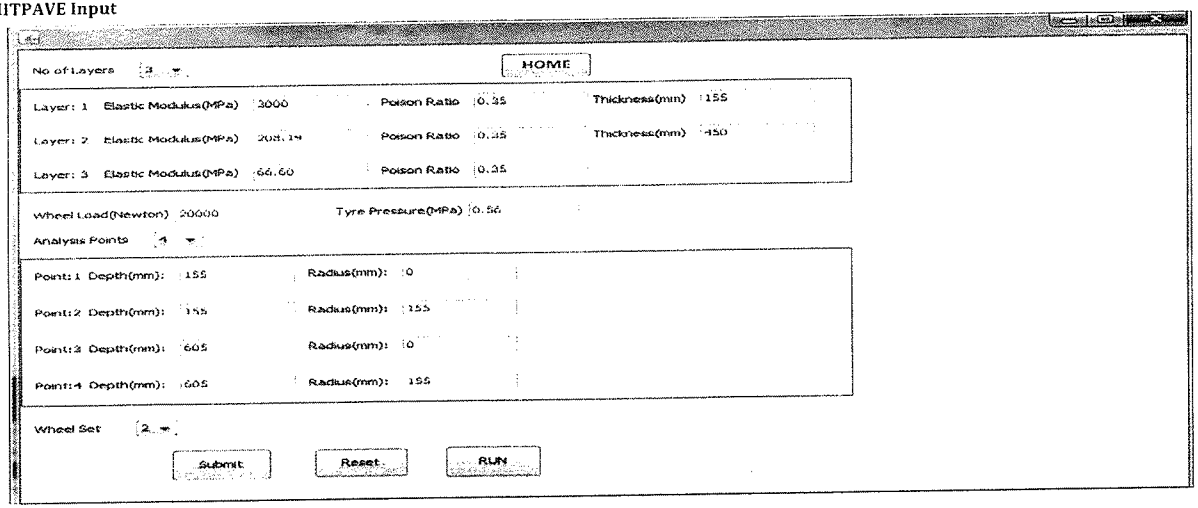
m=	0.37		
c=	2.35		
εt =	0.000189	.....Refer Eq. 3.4 As per IRC 37:2018	

- Analyse the pavement using IITPAVE with the following inputs

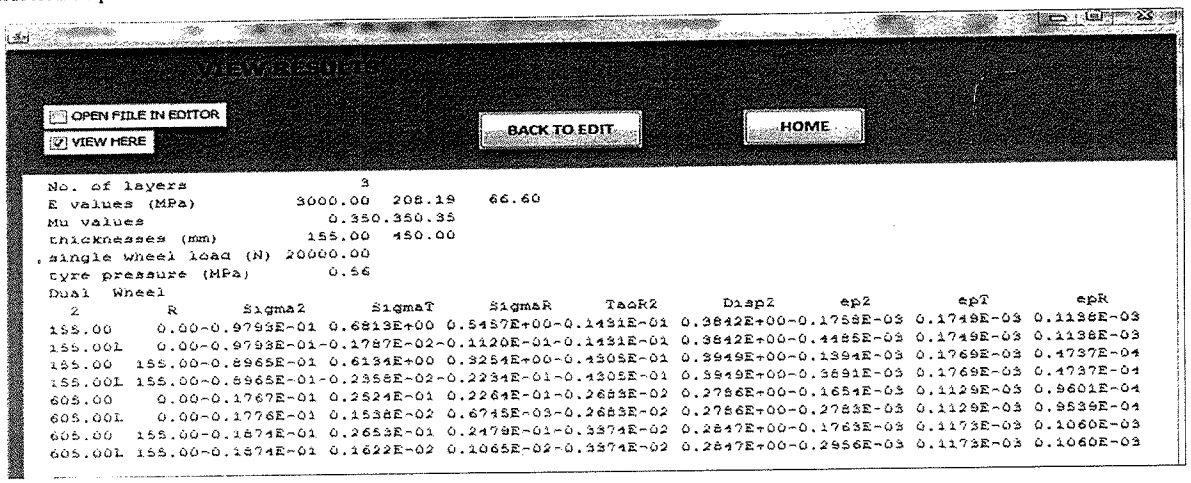
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                3
E values (MPa)          3000.00  208.19   66.60
Mu values                 0.350.350.35
thicknesses (mm)         155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)       0.56
Dual  Wheel
   Z        R       Sigma2       SigmaT       SigmaR       TauR2        Disp2        ep2          epT          epR
 155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1136E-03
 155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.1485E-03 0.1749E-03 0.1136E-03
 155.00  155.00-0.8965E-01 0.6134E+00 0.3254E+00-0.4305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.1737E-04
 155.00L 155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.4305E-01 0.3949E+00-0.3691E-03 0.1769E-03 0.1737E-04
 605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
 605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2783E-03 0.1129E-03 0.9539E-04
 605.00  155.00-0.1674E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
 605.00L 155.00-0.1674E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
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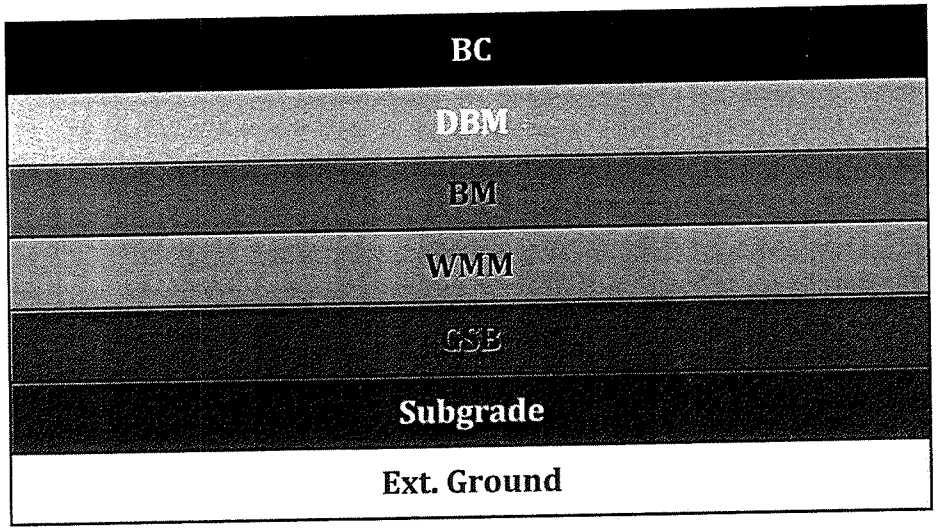
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.5%)	500	mm
Ext. Ground		

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR NEW SECTION

1) Road 20.5 - Chaitanya nagar To Chandasi Bridge Rd Ch. 0+570 To 1+050

DESIGN LIFE 20 YRS. & 40 MSA








Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	10.7	
4	CBR of borrow material (%)	=	7.5	
5	Elastic modulus of embankment soil	=	80.23 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	63.91 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 63.91 MPa and the semi-infinite embankment soil of modulus 80.23 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.23 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.23 mm for the same load and for a Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.55 Mpa	
14	Effective CBR	=	7.99 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 7.99 % for 66.55 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

- Design Input

For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018

- Cumulative Number of standard axles to be catered for in the design, N (msa) = 40 ....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
- Effective CBR of subgrade (%) = 8.00
- Grade of Bitumen = VG40

Calculation

- **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64** = **66.60** .....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
- Select trial section

BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
DBM (mm)	=	60	
BM (mm)	=	55	
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	

- **Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$** = **208.19** .....Refer Eq. 7.1 As per IRC 37:2018
- Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)

= 0.000390 .....Refer Eq. 3.2 As per IRC 37:2018

- **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}\{1/\varepsilon_V\}^{4.5337}$

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

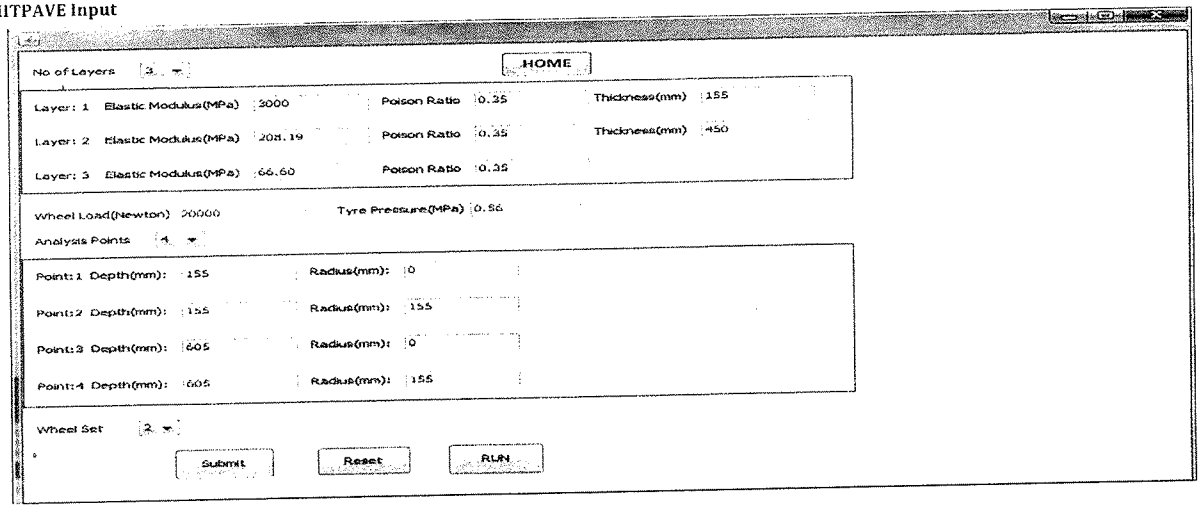
	m=	0.37	
	c=	2.35	
εt =		0.000189	.....Refer Eq. 3.4 As per IRC 37:2018

- Analyse the pavement using IITPAVE with the following inputs

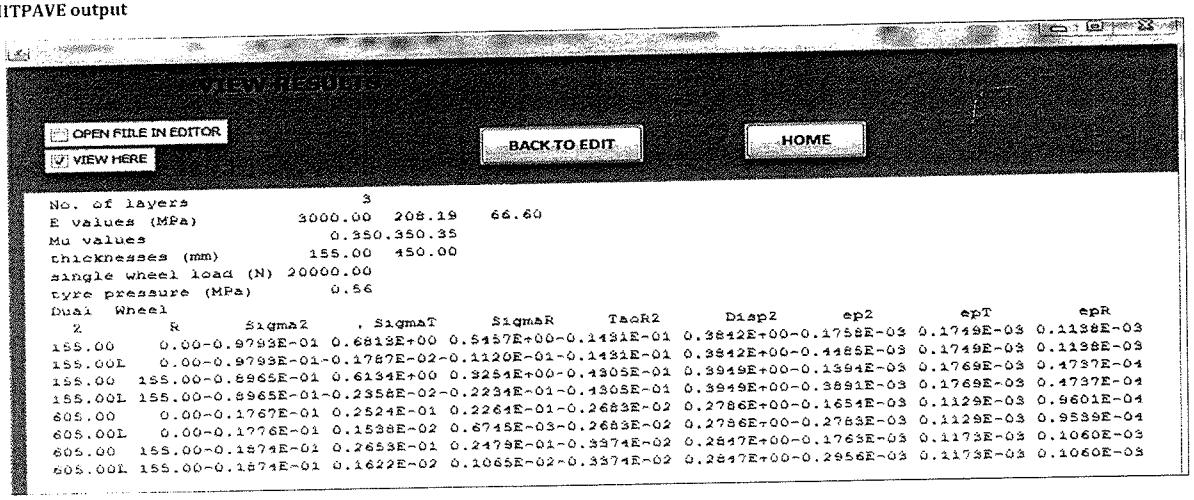
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)             3000.00  208.19   66.60
Mu values                    0.350.350.35
thicknesses (mm)           155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)          0.56
Dual  Wheel
  Z         R        SigmaZ        SigmaT        SigmaR        TauR2         Disp2         ep2           epT           epR
155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.1485E-03 0.1749E-03 0.1138E-03
155.00   155.00-0.8965E-01 0.6134E+00 0.3251E+00-0.1305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.1737E-04
155.00L  155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.1305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.1737E-04
605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2763E-03 0.1129E-03 0.9539E-04
605.00   155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.3374E-02 0.2847E+00-0.1765E-03 0.1173E-03 0.1060E-03
605.00L  155.00-0.1874E-01 0.1622E-02 0.1065E-02-0.3374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
```

Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.5%)	500	mm
Ext. Ground		

DESIGN OF WHITETOPPING AS PER IRC SP 76-2015

Road 21.1 - Gadkari Circle To Chandak Circle Ch. 1+500 To 2+160

Road 21.2 - Chanda Circle to Savarkar Swimming pool Road Ch. 0+000 To 0+260

White Topping - 200 MM
DBM - 75MM
EXT. CRUST

Design Parameters

1	Design Life (Years)	=	20
2	Traffic Growth Rate,r	=	0.05
3	Commercial Traffic (cvpd)	=	770
4	Grade of Concrete	=	M40
5	Cumulative Repetitions in 20 Years	=	770x365[(1+0.05)^20-1]/0.05
			9293186.401
6	Design Traffic (CVPD)	=	25% of cumulative repetitions
			2323296.6
7	CBR %	=	6.1
8	Corresponding k value (kg/cm^3)	=	4.61
9	k Value of existing BT surface (kg/cm^3)	=	10.39
10	A minimum value of modified modulus of subgrade reaction (kg/cm^3)	=	10.39
11	Radius of Relative Stiffness, l_e (cm)	=	67.13
12	Size of Panel (m)	=	1x1

1.1 Percentage of different Axle Loads assumed are given in Table 1

Table 1: Percentage of Axle Load for the Design of TWT

Single Axle Loads		Tandom Axle Loads		Single Axle Loads		Tandom Axle Loads	
Axle Load Class, Tons	% of Axle Loads	Axle Load Class, Tons	% of Axle Loads	Axle Load in Tonnes	Expected Repetitions	Axle Load in Tonnes	Expected Repetitions
15-17	0	26-30	0	16	0	28	0
13-15	0	22-26	0	14	0	24	0
11-13	0.18	18-22	0.11	12	4182	20	2556
9-11	1.34	14-18	0.16	10	31132	16	3717
7-9	1.71	Less Than 14	18.21	8	39728	Less than 16	423072
Less than 8	78.29			Less than 8	1818909		429345
	81.52		18.48		1893951		

Trial Thickness (cm)	20
Subgrade Modulus (kg/cm^3)	10.39
Design period (Years)	20
Modulus of Rupture (kg/cm^2)	45
Load Safety Factor	1

1.2 Expected Repetition are given in Table 2

Table 2: Expected Repetition for Axle Loads

1.3 Analysis of Fatigue Life Consumption

Axle Loads, Tonnes	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
16	17.42	0.39	0	infinite	0.00
14	15.24	0.34	0	infinite	0.00
12	13.06	0.29	4182	infinite	0.00
10	10.88	0.24	31132	infinite	0.00
8	8.71	0.19	39728	infinite	0.00
Less than 8			1818909	infinite	0.00
				Total	0.00

Axle Loads, Tonnes	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
28	18.83	0.42	0	infinite	0.00
24	16.14	0.36	0	infinite	0.00
20	13.45	0.30	2556	infinite	0.00
16	10.76	0.24	3717	infinite	0.00
Less than 16			423072	infinite	0.00
				Total	0.00

The cumulative life consumed both by single and tandem axle is 0 which is less than 1

1.4 Temperature Curling Stresses

$\sigma_T = 1.933\text{-}241000(\alpha\,\Delta T) + 1.267(L/l_e)$

ΔT = - 0.15°C/cm x Thickness of white topping overlay

ΔT = -3 °C

α = 10×10^{-6} ° °

L = Length of square slab=100 cm

le = Radius of relative stiffness=67.13cm

Thus,

σ_T = $1.933\text{-}241000[10\text{x}10^{-6}(-3)]+1.267(100/67.13)$

= 11.05 kg/cm^2

Total flexural stresses due to load and curling= Maximum load stresses+curling stresses

= 18.83+11.05

= 29.88 kg/cm^2

This is less than the minimum flexural strength of 45 kg/cm^2

Hence, White topping thickness of 20 cm is safe.

DESIGN OF WHITETOPPING AS PER IRC SP 76-2015

Road 22.3 - Hotel Sandip Chauk To Gadakari Chauk Ch. 0+330 To 0+720

Road 22.4 - Gadakari Chauk To Trimbak Naka Ch. 0+720 To 1+140

White Topping - 200 MM
DBM - 75MM
EXT. CRUST

Design Parameters

1	Design Life (Years)	=	20
2	Traffic Growth Rate,r	=	0.05
3	Commercial Traffic (cvpd)	=	770
4	Grade of Concrete	=	M40
5	Cumulative Repetitions in 20 Years	=	770x365[(1+0.05)^20-1]/0.05 9293186.401
6	Design Traffic (CVPD)	=	25% of cumulative repetitions **2323296.6**
7	CBR %	=	8.4
8	Corresponding k value (kg/cm^3)	=	5.21
9	k Value of existing BT surface (kg/cm^3)	=	8.96
10	A minimum value of modified modulus of subgrade reaction (kg/cm^3)	=	8.96
11	Radius of Relative Stiffness, l_e (cm)	=	64.69
12	Size of Panel (m)	=	1x1

1.1 Percentage of different Axle Loads assumed are given in Table 1

Table 1: Percentage of Axle Load for the Design of TWT

Single Axle Loads		Tandom Axle Loads	
Axle Load Class, Tons	% of Axle Loads	Axle Load Class, Tons	% of Axle Loads
15-17	0	26-30	0
13-15	0	22-26	0
11-13	0.18	18-22	0.11
9-11	1.34	14-18	0.16
7-9	1.71	Less Than 14	18.21
Less than 8	78.29		
	81.52		18.48

Trial Thickness (cm)	20
Subgrade Modulus (kg/cm^3)	8.96
Design period (Years)	20
Modulus of Rupture (kg/cm^2)	45
Load Safety Factor	1

1.2 Expected Repetition are given in Table 2

Table 2: Expected Repetition for Axle Loads

Single Axle Loads		Tandom Axle Loads	
Axle Load in Tonnes	Expected Repetitions	Axle Load in Tonnes	Expected Repetitions
16	0	28	0
14	0	24	0
12	4182	20	2556
10	31132	16	3717
8	39728	Less than 16	423072
Less than 8	1818909		429345
	1893951		

1.3 Analysis of Fatigue Life Consumption

Axle Loads, Tonnes	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
16	20.07	0.45	0	infinite	0.00
14	17.56	0.39	0	infinite	0.00
12	15.06	0.33	4182	infinite	0.00
10	12.55	0.28	31132	infinite	0.00
8	10.04	0.22	39728	infinite	0.00
Less than 8			1818909	infinite	0.00
				Total	0.00

Axle Loads, Tonnes	Load Stress, kg/cm^2	Stress Ratio	Expected Repetition	Fatigue Life, N	Fatigue Life Consumed
28	22.06	0.49	0	1266685	0.00
24	18.91	0.42	0	infinite	0.00
20	15.76	0.35	2556	infinite	0.00
16	12.61	0.28	3717	infinite	0.00
Less than 16			423072	infinite	0.00
				Total	0.00

The cumulative life consumed both by single and tandem axle is 0 which is less than 1

1.4 Temperature Curling Stresses

$\sigma_T = 1.933\text{-}241000(\alpha\,\Delta T) + 1.267(L/l_e)$

ΔT = - 0.15°C/cm x Thickness of white topping overlay

ΔT = -3 °C

α = 10×10^{-6}

L = Length of square slab=100 cm

le = Radius of relative stiffness=64.69cm

Thus,

σ_T = $1.933\text{-}241000[10\times10^{-6}(-3)]+1.267(100/64.69)$

= 11.12 kg/cm^2

Total flexural stresses due to load and curling= Maximum load stresses+curling stresses

= 22.06+11.12

= 33.18 kg/cm^2

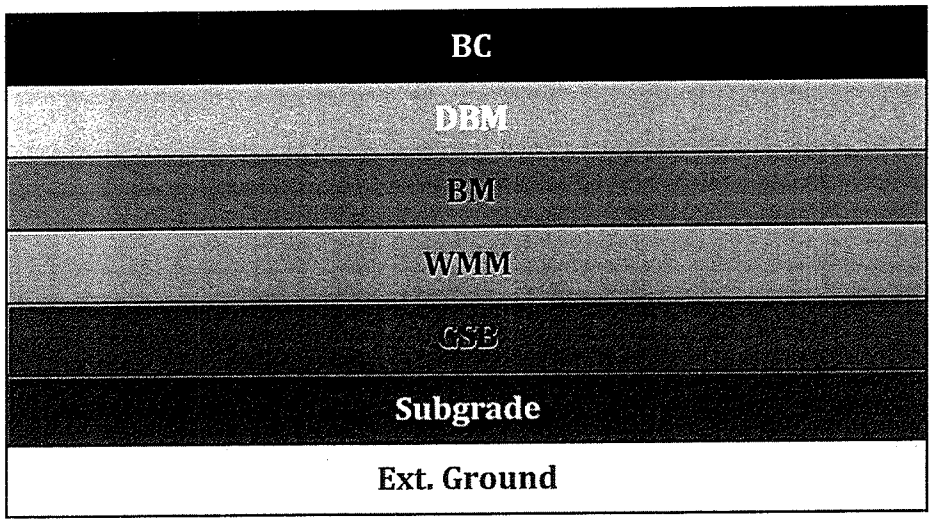
This is less than the minimum flexural strength of 45 kg/cm^2

Hence, White topping thickness of 20 cm is safe.

DESIGN OF FLEXIBLE PAVEMENT AS PER IRC 37-2018-FOR WIDENING SECTION

1) Road 22.2 - Mahamarg Taxi Stand M Naka To Sandip Hotel Chauk Ch. 0+210 To 0+330
2) Road 22.3 - Hotel Sandip Chauk To Gadakari Chauk Ch. 0+330 To 0+720

DESIGN LIFE 20 YRS. & 40 MSA



Design of Subgrade Layer (As Per IRC:37-2018)

Input Data Considered For the determination of subgrade CBR (As Per IRC:37-2018 ANNEXURE-II.1)

1	Thickness of embankment soil (Assume) (mm)	=	300 mm	(lower layer)
2	Thickness of borrow material (Assume) (mm)	=	500 mm	(upper layer)
3	CBR of embankment soil (%)	=	8.4	
4	CBR of borrow material (%)	=	7.9	
5	Elastic modulus of embankment soil	=	68.71 Mpa	(lower layer)
6	Elastic modulus of borrow material	=	66.07 Mpa	(upper layer)
7	Consider a two-layer elastic system consisting of 500 mm of select borrow soil of modulus 66.07 MPa and the semi-infinite embankment soil of modulus 68.71 MPa			
	Consider			
8	Poisson's ratio for both the layers	=	0.35	
9	Single wheel load	=	40000 N	
10	Contact pressure (p)	=	0.56 Mpa	
11	Radius of circular contact area for this load and contact pressure (α)	=	150.8 mm	
12	Surface deflection at the centre of the load (δ)	=	2.23 .....Using IIT PAVE	
13	For an equivalent single layer system, the modulus value of the single layer which will produce the same surface deflection of 2.23 mm for the same load and for Poisson's ratio of 0.35 = $[2(1-\mu^2)p\alpha]/\delta$	=	66.61 Mpa	
14	Effective CBR	=	8.00 %	
15	As per these design guidelines, the effective modulus value will be limited to 100 MPa for design purpose. The corresponding CBR (using equation 6.2 From IRC 37) is 8.00 % for 66.61 MPa.			

Design of Granullar & BT Layer (As Per IRC:37-2018)

- Design Input

For an air void content, V_a (%)	=	3.5	....As per clause 12.3 of IRC 37:2018
Effective bitumen content, V_{be} (%)	=	11.5	....As per clause 12.3 of IRC 37:2018

- Cumulative Number of standard axles to be catered for in the design, N (msa) = 40 ....As Per Plate 4 Fig no. 12.4 of IRC 37:2018
- Effective CBR of subgrade (%) = 8.00
- Grade of Bitumen = VG40

Calculation

- **Effective resilient modulus of subgrade (Mpa), 17.6*(CBR)^0.64** = **66.60** .....Refer Eq. 6.1 and 6.2 As per IRC 37:2018
- Select trial section

BC (mm)	=	40	....Taken from Plate 4 Fig no. 12.4 of IRC 37:2018
DBM (mm)	=	60	
BM (mm)	=	55	
WMM (mm)	=	250	
GSB (mm)	=	200	
Total granular thk. (mm)	=	450	

- **Resilient modulus of the granular layer (Mpa), $0.2(h)^{0.45}*M_{RSUPPORT}$** = **208.19** .....Refer Eq. 7.1 As per IRC 37:2018
- Use 90% reliability performance models for subgrade rutting and bituminous layer cracking (design traffic>20 msa)

  = 0.000390 .....Refer Eq. 3.2 As per IRC 37:2018

- **Allowable vertical compressive strain** on subgrade for a design traffic of 40 msa and for 90% reliability (using equation 3.2), $N_R=1.4100*10^{-08}[1/\varepsilon_V)^{4.5337}$

- **Allowable horizontal tensile strain** at the bottom of bituminous layer for a design traffic of 40 msa, 90% reliability, air void content of 3.5% and effective binder volume of 11.5% (Using equation 3.4), $N_f=0.5161*C*10^{-04}[1/\varepsilon_t]^{3.89}*[1/M_{Rm}]^{0.854}$

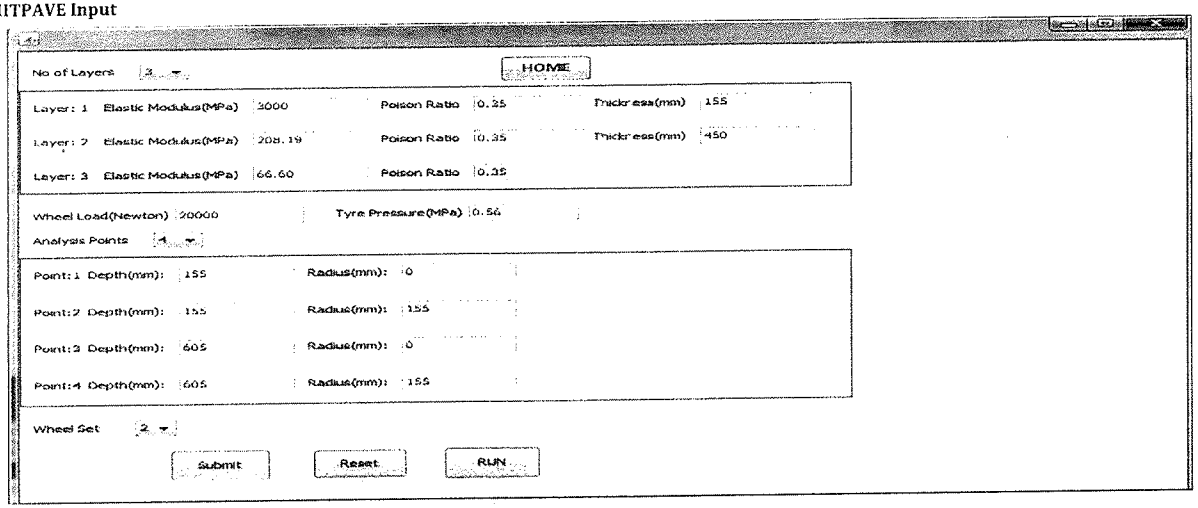
	m=	0.37	
	c=	2.35	
εt =		0.000189	.....Refer Eq. 3.4 As per IRC 37:2018

- Analyse the pavement using IITPAVE with the following inputs

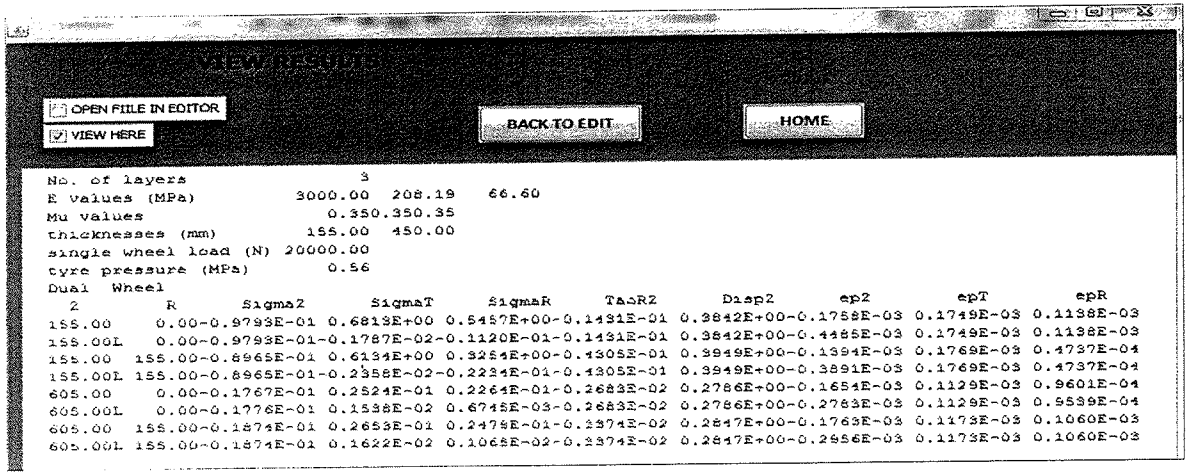
elastic moduli for		
BT	=	3000
Granular	=	208.19
Subgrade	=	66.60
Poissons ratio value for all three layers	=	0.35
Layer Thicknesses		
Crust	=	155
Granular	=	450

Computed starian values by IITPAVE				Allowable strain value	
Horizontal tensile strain (epT & εt)	=	0.000177	<	0.000189	ok
Vertical compressive strain (epZ & εV)	=	0.000296	<	0.000390	ok

IITPAVE Input



IITPAVE output




```
No. of layers                    3
E values (MPa)           3000.00  208.19   66.60
Mu values                  0.350.350.35
thicknesses (mm)          155.00  450.00
single wheel load (N) 20000.00
tyre pressure (MPa)        0.56
Dual  Wheel
   Z         R        SigmaZ        SigmaT        SigmaR        TauRZ         Disp2         epZ           epT           epR
 155.00     0.00-0.9793E-01 0.6813E+00 0.5457E+00-0.1431E-01 0.3842E+00-0.1758E-03 0.1749E-03 0.1138E-03
 155.00L    0.00-0.9793E-01-0.1787E-02-0.1120E-01-0.1431E-01 0.3842E+00-0.4485E-03 0.1749E-03 0.1138E-03
 155.00  155.00-0.8965E-01 0.6134E+00 0.3284E+00-0.4305E-01 0.3949E+00-0.1394E-03 0.1769E-03 0.4737E-04
 155.00L 155.00-0.8965E-01-0.2358E-02-0.2234E-01-0.4305E-01 0.3949E+00-0.3891E-03 0.1769E-03 0.4737E-04
 605.00     0.00-0.1767E-01 0.2524E-01 0.2264E-01-0.2683E-02 0.2786E+00-0.1654E-03 0.1129E-03 0.9601E-04
 605.00L    0.00-0.1776E-01 0.1538E-02 0.6745E-03-0.2683E-02 0.2786E+00-0.2763E-03 0.1129E-03 0.9539E-04
 605.00  155.00-0.1874E-01 0.2653E-01 0.2479E-01-0.2374E-02 0.2847E+00-0.1763E-03 0.1173E-03 0.1060E-03
 605.00L 155.00-0.1874E-01 0.1622E-02 0.1068E-02-0.2374E-02 0.2847E+00-0.2956E-03 0.1173E-03 0.1060E-03
```

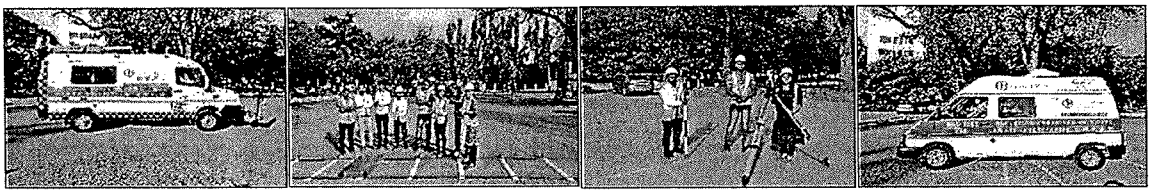
Pavement Composition as per Design

Thickness of BC	40	mm
Thickness of DBM	60	mm
Thickness of BM	55	mm
Thickness of WMM	250	mm
Thickness of GSB	200	mm
Thickness of Subgrade (CBR-7.9%)	500	mm
Ext. Ground		

2.1 INTRODUCTION

2.1.1 About Civil Tech

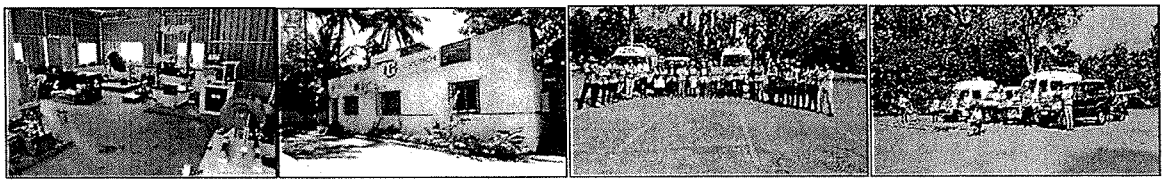
CIVIL TECH is a future ready company, bringing together all the elements in the field of Civil Engineering, under one roof.



CIVIL TECH provides consultancy services for **Architectural Designs, Structural Designs, Project Management Services, Quality Audits, Valuations** and many more such services. All this is backed by cutting edge technology used in its **NABL accredited Advanced Material Testing Laboratory** and Non-Destructive Testing (NDT) facility.



CIVIL TECH is the only construction material testing laboratory in North Maharashtra to be accredited by NABL with the prestigious ISO 17025 certification. Which provides both in-house experimental studies and field evaluation. The office is equipped with the latest so ware for structural design and analysis.



CIVIL TECH is strategically located at NASHIK- One of the fastest growing cities in Asia. It is also part of the golden triangle of Mumbai -Pune Nashik.

With a team of Experts, who integrate experience and technology with ease, we are ready to cater to the needs of one and all.

"Quality Leads To Assurance, Assurance Leads To Prosperity And Happiness."

This Is The Guiding Principle Of Civil Tech.

2.1.2 Civil Tech Team

With our qualified and experience team we provide services and results on me with the best management skills. We are always ready to serve you with our determination and vision toward quality.

2.1.3 Vision

To be a vibrant organization established to contribute to the infrastructural growth of the nation.

2.1.4 Service Offering

A range of services we offer to the clients across the globe include as follows.

- **NABL Accredited Advanced Material Testing Laboratory (Confirming to ISO: 17025)**
  - ✓ Non-Destructive Testing
  - ✓ Construction Material Testing
  - ✓ Concrete mix design
  - ✓ Plate load test
  - ✓ On Site Testing
  - ✓ Chemical Testing Services
  - ✓ Soil Investigation
  - ✓ Pile Load Testing
  - ✓ Pile Integrity Test
  - ✓ Standard Penetration Test
  - ✓ Water Testing
- **NABL Accredited Highway Testing Services (Confirming to ISO: 17025)**
  - ✓ Network Survey Vehicle (NSV)
  - ✓ Falling Weight Deflectometer (FWD)
  - ✓ MIT Dowel Bar Scanner (MIT)
  - ✓ Benkelman Beam Deflection (BBD)
  - ✓ Roughness Index Test
  - ✓ Skid Resistance Test
  - ✓ Retro Reflectometer
  - ✓ Traffic Volume Count
- **Structural Design & Structural Audit**
  - ✓ Bridge Load Test
  - ✓ Slab Load Test
- **Repair Works**
  - ✓ Concrete Road Repairs
  - ✓ Bridge Repairs
  - ✓ Building Rehabilitation and Repairs
- **Proof Checking & Advisory Services**

2.2. PROJECT DESCRIPTION

2.2.1 General

As part of work "West Nashik Division."
In pursuance of the above, **M/s. Civil Tech, Nasik** has been appointed for providing consulting services for testing of the project stretch with Non-Destructive equipment – Falling Weight Deflectometer wide work order.
In line with the work order the work of FWD site testing was scheduled on 12-08-2025 and completed accordingly.

Sr. No.	Field	Details
1.	Project Name	Road 15. KTHM Bridge to Old Gangapur Naka to Sharnpur police chawki Mayko Circle to Chandak Circle to Mahamarg Bus stand road Improvement Road 16. Govind Nagar Bridge (Nandini River) to ABB Circle Jehan Circle to Chandashi Bridge upto Central ring Road. Road 17. Ashok Stambh to Jehan Circle (Gangapur Road) Road Improvement. Road 18. Khadkali Signal to Trambak naka to upto ITI Signal road Improvement. Road 19. Forest Nursury bridge to KBT Circle to PTA Kulkarni Chawuk to Detective Training Center Canal Road. Road 20. Pramod Mahajan Garden to Gangaur Road to Horayzan School to Datta Chauwk to Nirmala Convent School Chauwk to Chaitanya Nagar to Asaram Bapu Ashtram (Bank of Godavari River). Road 21. Gadkari Chawk to Chandak Chauwk to Anand Kanhnere Ground road Improvement. Road 22. Mumbai Naka to Gadkari Signal to up to Trambak naka Road Improvement.
2.	Project Stretch	Road 15.Ch.0.150 to 1.590,1+810 to 3+500& 0.000 to 0+550 Road 16. Ch. 0.000 to 0.500 & 0.000 to 4.200 Road 17. Ch. 0.030 To 3.220 Road 18. Ch. 0.000 To 0.570& 0.000 to 3.300 Road 19. Ch. 0.000 To 2.430 Road 20. Ch. 0.300 to 1.440,0.000 to 0.690&1.050 to 1.260 Road 21. Ch. 1.500 to 2.160, 0.000 to 0.260 Road 22. Ch. 0.000 to 1+140.
3.	Survey Date	12/08/2025.

Table: 2.2.1 Project Description

2.2.2 Scope Of Work

The study has been initiated with the aim of assessing the strength and life of pavement by measuring deflections as per the Indian Codes (IRC)/Standards. To accomplish this purpose, FWD Test was performed along the project stretch.

The scope involves the following:

- Perform the FWD test for selected stretches.
- Assess the service life of the pavement in terms of million standard axles (MSA).



Figure: 2.2.1 On Site Photo

2.3. FWD DATA COLLECTION, ANALYSIS AND RESULTS

Step 1. Data Collection.

Step 2. Flow Chart for FWD Analysis.

Step 3. Selecting The Range Of Moduli.

Step 4. KGPback Application.

Step 5. Correction For Temperature.

Step 6. Back Calculation Of Modulies.

Step 7. Calculation Of Remaining Life And Overlay Requirement.

2.3.1 FWD Data Collection

FWD operated and data of force and deflection is acquired using Deflectometer software using a load cell and geophone respectively.

- Lower the loading plate onto the pavement. The loading plate should be in proper contact with pavement surface.
- Lower the frame holding the displacement transducers (geophones) so that the transducers are in contact with pavement surface
- Raise the mass to a pre-determined height required for producing a target load of 40 KN.
- Drop one seating load. Load and deflection data for seating load drop need not be recorded.
- Raise the mass and drop. Record load and deflection data into the computer through data acquisition system. While peak load and peak deflections at different selected radial positions must be recorded, complete time history of load and deflections can be stored for each load drop if feasible. Repeat this step at least two more times.
- Raise the geophone frame and load plate and move to the next test location.

2.3.2 Flow Chart For FWD Analysis

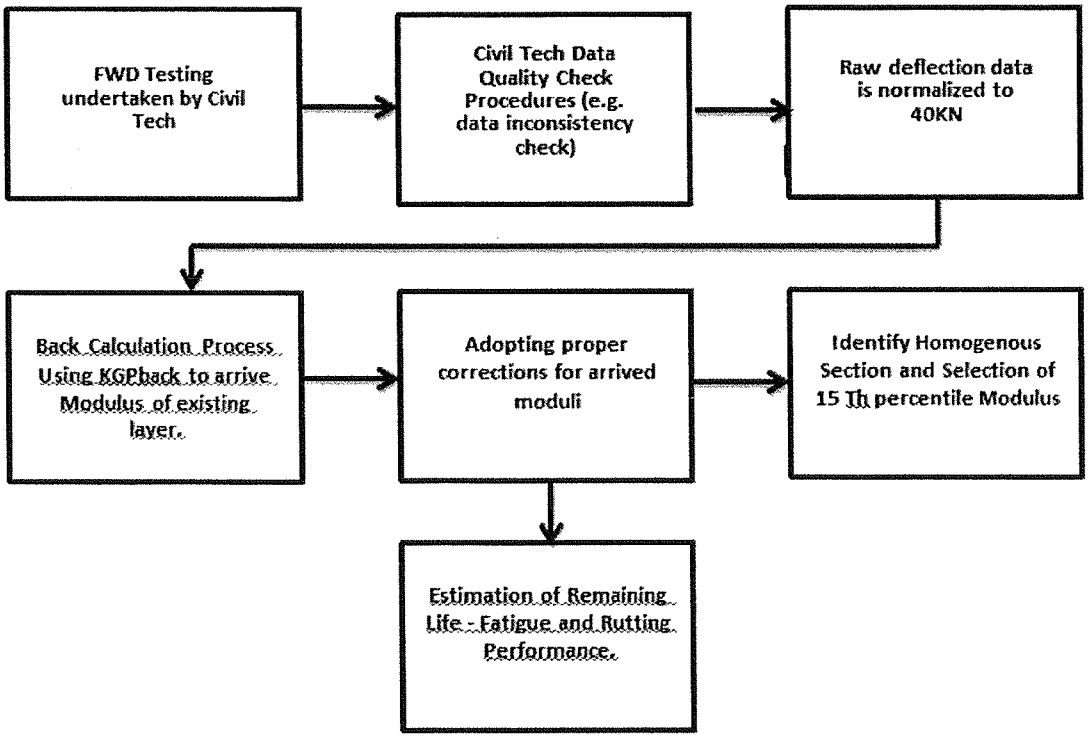


Figure: 2.3.1 Process flow for FWD Analysis

2.3.3 Range of Moduli.

Type of Layer	Lower and Upper Limit (MPa)
Bituminous	**IRC 115-2014, Page No. 30.** Thick Layer With Much Cracking For Distress Condition Fair To Poor. Lower Limit : 400 MPa. Upper Limit : 1500 MPa.
Granular	**IRC 115-2014, Page No. 30.** For Overlay Construction Lower Limit : MRS : 100 MPa. Upper Limit : MR. GRANULAR : 500 MPa.
Subgrade	**IRC 115-2014, Page No. 30.** For Overlay & New/Reconstruction Lower Limit : MR Sub Low : 5*CBR MPa. Upper Limit : MR Sub Max : 20*CBR MPa.

Table 2.3.1 Range of Moduli

2.3.4 KGPback Application

KGPback is a genetic algorithm-based model for back calculation of layer moduli provided along with IRC 115 publication. It uses linear elastic theory for the analysis of pavement in its forward calculation algorithm.

The procedure provided in Appendix III has been adopted to back calculate the Elastic modulus values of each layer listed below.

- Three-layer system (Bituminous, Granular & Subgrade).
- Data required:
  - Deflections at various radial distances-Normalize the raw deflection values to 40KN
  - Existing layer thickness – the existing layer thicknesses of various stretches have been obtained by taking the core cut and trial pit, necessary soil properties have been provided by the consultant.
  - Layer moduli range – the layer moduli adopted for the analysis is shown in 3.3 section.
  - Poisson's ratio:

    - 1)For Overlay Construction BT-0.5, Granular-0.4, Subgrade-0.4

```
* CALCULATION OF SURFACE DEFLECTIONS.                *
*                                                     *
* IMPORTANT NOTE: FOR GOOD BACKCALCULATION RESULTS *
* THE MODULI RANGES HAVE TO BE SELCTED JUDICIOUSLY *
*******************************************************

!!!!!              PRINT INPUT DATA              !!!!
!!!!!    PL. SEE THE MANUAL SUPPLIED FOR HELP    !!!!

TYPE PEAK FWD LOAD (N), CONTACT PRESSURE (MPa)
Standard Values are 40000  0.56
40000
0.56

HOW MANY DEFLECTIONS WERE MEASURED (4 TO 10)?
7

PRINT RAD.DISTANCES (mm) WHERE DEFLECT. WERE MEASURED
eg: 0, 300, 600, 900, 1200, 1500 is a Typical
    Configuration for six Geophones

0
200
300
450
600
900
1500

PRINT MEASURED DEFLECTIONS IN mm.
0.549,0.512,0.413,0.274,0.181,0.096,0.058
GIVE THE PAVEMENT RELATED INPUTS (3-LAYER SYSTEM)
TYPE EACH LAYER THICKNESS(mm). START FROM TOP
150
210

TYPE POISSON RATIO OF EACH LAYER. START FROM TOP
Suggested values are 0.5 0.4 0.4
0.5
0.4
0.4

INPUT RANGE (lower and upper) FOR EACH LAYER MODULUS
Please note that Backcalculation Results will depend
on the selection of appropriate Ranges. The slection
of Ranges has to be made judiciously on the basis of
of the Pavement Condition

PRINT LOWER AND UPPER BOUND MODULI (MPa) LAYERS
Pl. See the Manual supplied for guidance

400
1500
100
500
23
92

#######################################################
#  YOU CAN FIND THE RESULTS IN backout FILE IN THE   #
#     SAME DIRECTORY. USE Notepad TO SEE RESULTS      #
#        KGPBACK IS RUNNING PLEASE WAIT  !!!          #
#######################################################
```

Figure: 2.3.2 KGPback Data Input

backout

File Edit View H1

```
#####################################################
#         !!!  THANKS FOR USING KGPBACK  !!!        #
#             THE RESULTS ARE GIVEN BELOW           #
#####################################################

################
#  INPUT DATA  #
################
No.of Layers                          =  3
FWD Load (N)                          = 40000.00
Contact Pressure (MPa)                =  .56
No.of Deflection points               =  7
Deflections measured using FWD (mm)
=  .54900   .51200   .41300   .27400   .18100   .09600   .05800
Radial distances from centre of load(mm) =    .0  200.0  300.0  450.0   600.0   900.0  1500.0
Layer thickness (mm)                  = 150.00 210.00
Poisson ratio values                  = .50 .40 .40
Layer Modulus (MPa) Ranges Selected :-
(a) Bituminous Surfacing              =  400.0   1500.0
(b) Granular Base                     =  100.0   500.0
(c) Subgrade                          =   23.0    92.0


################
# OUTPUT DATA  #
################

Backcalculated Layer Moduli are:
Surface (MPa)  =    1067.7
Base (MPa)     =     107.0
Subgrade (MPa) =      91.9
```

Figure: 2.3.3 KGPback Data Output

2.3.5 Correction for Temperature

The stiffness of bituminous layer is highly susceptible to temperature and hence consequently the surface deflections of a given pavement will vary depending on the temperature of the constituent bituminous layers. If the depth of the BT surface is more than 40mm, then correction factor has to be applied. If the depth is less i.e., if it is a thin bituminous surfacing like premix carpet and surface dressing, then no correction is required. Correction for temperature variation on deflection values measured at temperature other than 35°C should be calculated by the formula provided in IRC 115.

The key points to consider are:

- Pavement temperature range applicable for correction factor – 20°C to 45°C.
- FWD shall not be carried for pavement temperature more than 45°C.
- Temperature correction not required for following cases,
  - Bituminous layers (depth < 40 mm).
  - "Poor" sections.

In accordance with Section 6.4.2 of IRC 115, the calculated modulus values in the Bituminous Layers have been adjusted relative to the standard temperature of 35°C using equation 4 and 5 of IRC 115: 2014.

$E_{T1} = \lambda E_{T2}$ .....Eq 4, IRC115:2014

$\lambda = 1 - 0.238 \ln T1 / 1 - 0.238 \ln T2$.....Eq 5, IRC115:2014

Where,

λ	-	Temperature Correction factor.
ET1	-	Back calculated Modulus (MPa) at Temperature T1.
ET2	-	Back calculated Modulus (MPa) at Temperature T2.

2.3.6 Back calculated Moduli

The back calculated and corrected moduli of the all the three layers are presented in the table. However, for BT back calculated moduli are restricted to maximum of 3000 Mpa.

Using these corrected Moduli Values - Homogenous sections are prepared and 15th percentile Moduli values are selected for Design. Here, we have considered each section as one homogenous section.

2.3.7 Calculation of remaining life and overlay Design

Based on the back calculated module, remaining life has been estimated in accordance with IRC: 115-2014 and IRC: 37-2012. Remaining life is calculated using IIT PAVE software considering the Fatigue and rutting life.

IITPAVE is a multilayer elastic layer linear analysis program provided along with IRC 37: 2012. This IITPAVE has been used for the computation of stresses and strains in flexible pavements.

Following Fatigue & Rutting equations are used for the design analysis.

I. <u>Overlay stretch</u>

a) Fatigue in Bituminous Layer

The allowable tensile strains were calculated using the fatigue criteria as mentioned in Clause 3.6.2 of IRC: 37-2018. The fatigue models corresponding to 90 per cent reliability level have been illustrated in Equation 1.

$$N_f = 0.5161 \times 2.35 \times 10^{-4} \times \left(\frac{1}{\epsilon_t}\right)^{3.89} \times \left(\frac{1}{M_{Rm}}\right)^{0.854} \quad \text{....Equation 1}$$

b) Rutting in Subgrade Layer

The allowable vertical compressive strains were calculated using the rutting criteria as mentioned in Clause 3.6.1 of IRC: 37-2018. The rutting models corresponding to 90 per cent reliability level have been illustrated in Equation 2.

$$N_r = 1.41 \times 10^{-8} \times \left(\frac{1}{\epsilon_v}\right)^{4.5337} \quad \text{....Equation 2}$$

Where,

Nf = Fatigue life in standard axle load repetitions;

εt = Tensile strain at the bottom of bituminous Layer;

M_{Rm} = Resilient modulus of the bituminous Layer (MPa);

Nr = Rutting life in standard axle load repetitions;

εv = Maximum allowable vertical strain at the top of subgrade layer.

An overview of the analysis process using this IITPAVE is presented below.

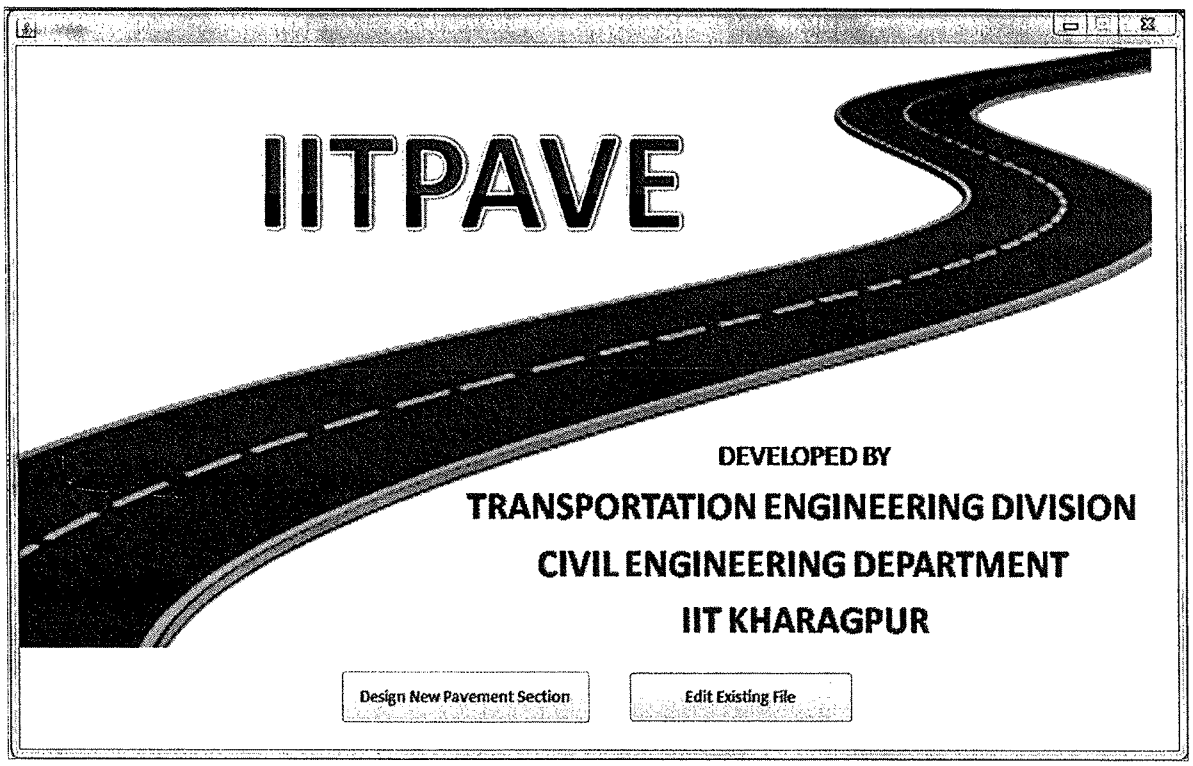


Figure: 2.3.4 Opening Page - IITPAVE

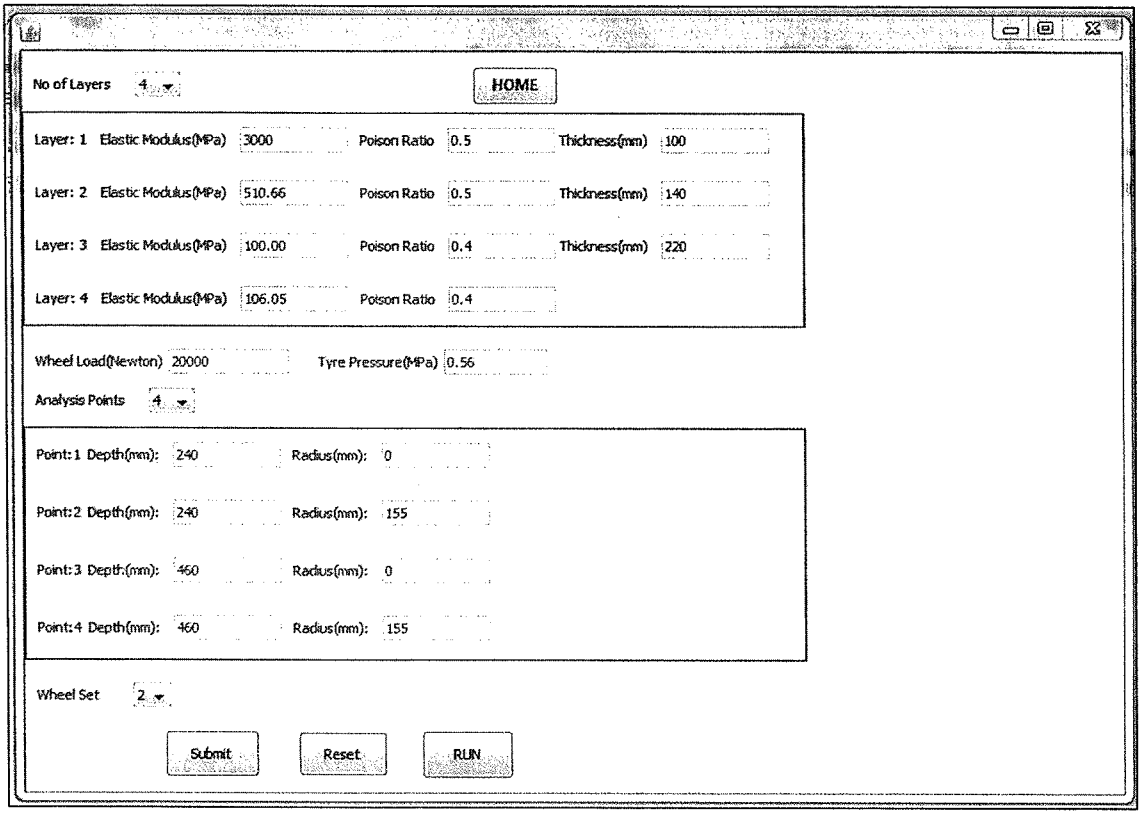


Figure: 2.3.5 IITPAVE Data Input

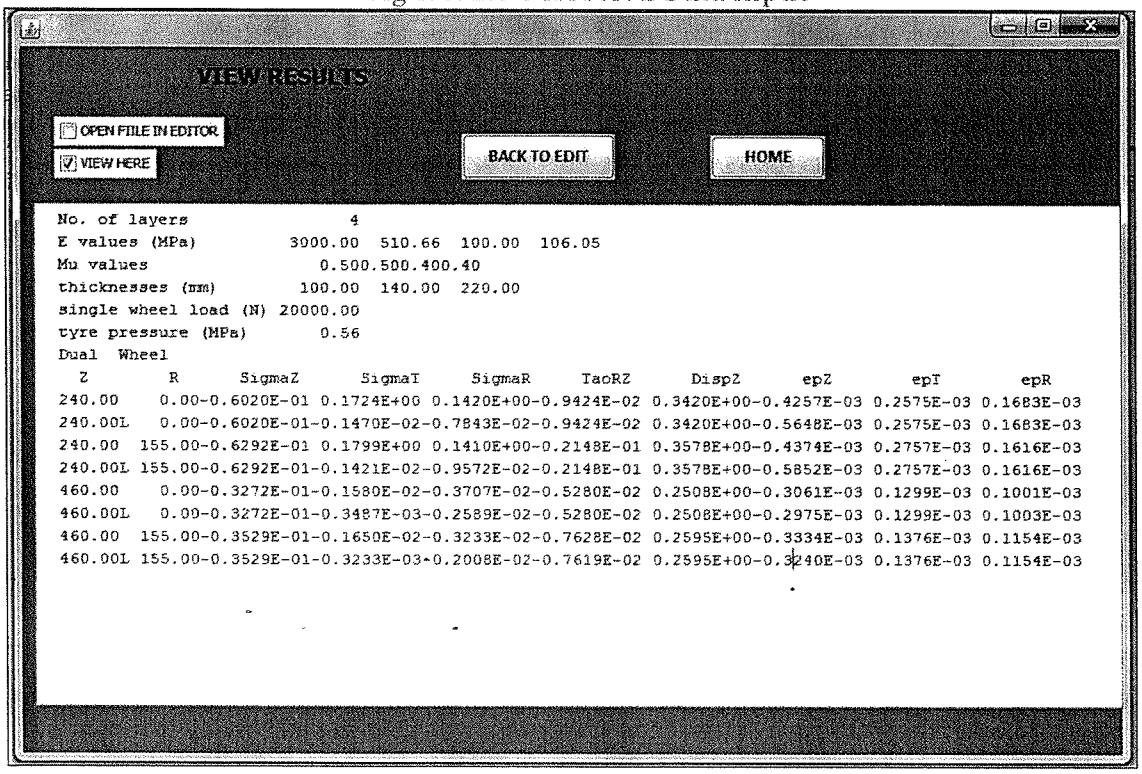


Figure: 2.3.6 IITPAVE Data Output

2.4. RESULTS

2.4.1 Maximum and Normalized Deflection:

CIVIL TECH'S Falling Weight Deflectometer (FWD) was used to collect pavement strength and stiffness information and these values are reported in mm. The results of the site recorded maximum deflection testing are presented in tabulated form.
In accordance with international best practice and with Section 4.4 of IRC 115, the recorded deflection values have been normalized to the equivalent applied pressure of 40KN to be used for back calculation using KGPBACK application.

2.4.2 Modulus values:

Back calculation of modulus of Bitumen and Subgrade is presented in Table below. The values are derived from the process explained in section 6 of the report. As well as normalized deflections, 15 percentile modulies, layer thickness, corrected back calculated modulies, pavement temperature, remaining life/MSA & overlay requirement are also presented in table below.

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road No. 15.2 juna gangapur naka to canada corner	BHS	0+150	0+630	150	210	20	40	VG 40
Road No. 15.3 canada corner to HDFC chowk	BHS	0+630	1+230	150	210	20	40	VG 40
Road No. 15.4 HDFC chowk to sharanpur police chowki signal	BHS	1+230	1+590	150	210	20	40	VG 40
Road No. 15.6 mico circle to chandak circle	BHS	1+810	2+420	150	210	20	40	VG 40
Road No. 15.7 chandak circle to SSk hotel	BHS	2+420	2+630	150	210	20	40	VG 40
Road No. 15.8 SSK hotel to mahamarg taxi stand-mumbai naka	BHS	2+630	3+500	150	210	20	40	VG 40
Road No. 15.9 milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki	BHS	0+000	0+550	150	210	20	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMED ED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 15.2 to 15.4	0.150	1.000	0.0006403	1.818	0.0007345	2.280	0.0002879	40.732	0.0003898	40.301	93	95
2	Road No. 15.2 to 15.4	1.000	1.590	0.0004871	3.153	0.0006421	4.194	0.0002530	40.317	0.0003454	69.731	85	85
3	Road No. 15.2 to 15.4	1.590	1.000	0.0005218	2.529	0.0006752	3.339	0.0002563	40.178	0.0003483	67.137	90	90
4	Road No. 15.2 to 15.4	1.000	0.150	0.0005815	2.091	0.0006967	2.897	0.0002707	40.932	0.0003606	57.363	93	95
5	Road No. 15.6	1.810	2.420	0.0005941	2.413	0.0007214	2.473	0.0002728	49.832	0.0003900	40.208	93	95
6	Road No. 15.6	2.420	1.810	0.0006403	1.749	0.0007303	2.340	0.0002858	40.320	0.0003816	44.379	94	95
7	Road No. 15.7	2.420	2.630	0.0006403	1.749	0.0007303	2.340	0.0002858	40.320	0.0003816	44.379	94	95
8	Road No. 15.7	2.630	2.420	0.0004963	2.799	0.0007132	2.605	0.0002498	40.446	0.0003656	53.891	89	90
9	Road No. 15.8	2.630	3.500	0.0004963	2.799	0.0007132	2.605	0.0002498	40.446	0.0003656	53.891	89	90
10	Road No. 15.8	3.500	2.630	0.0004963	3.414	0.0007866	1.671	0.0002312	66.646	0.0003890	40.678	101	105
11	Road No. 15.9	0.000	0.500	0.0004974	2.950	0.0006852	3.124	0.0002542	40.173	0.0003618	56.505	87	90
12	Road No. 15.9	0.500	0.000	0.0005260	2.767	0.0007022	2.795	0.0002640	40.422	0.0003756	47.685	88	90

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 15.2 to 15.4 juna gangapur naka to sharanpur police chowki signal															
1	0.150	1	LHS L1	FAIR	0.601	0.461	0.329	0.206	0.141	0.060	0.034	4.6	0.5	0.4	0.4
2	0.400	1	LHS L2	FAIR	0.551	0.478	0.371	0.293	0.210	0.113	0.075	4.6	0.5	0.4	0.4
3	0.650	1	LHS L1	FAIR	0.577	0.463	0.343	0.212	0.146	0.064	0.047	4.6	0.5	0.4	0.4
4	0.900	1	LHS L2	FAIR	0.514	0.394	0.274	0.210	0.157	0.098	0.089	4.6	0.5	0.4	0.4
5	1.150	2	LHS L1	FAIR	0.549	0.512	0.413	0.274	0.181	0.096	0.058	4.6	0.5	0.4	0.4
6	1.400	2	LHS L2	FAIR	0.560	0.463	0.436	0.258	0.178	0.134	0.075	4.6	0.5	0.4	0.4
7	1.590	3	RHS R1	FAIR	0.558	0.470	0.353	0.235	0.176	0.096	0.063	4.6	0.5	0.4	0.4
8	1.340	3	RHS R2	FAIR	0.592	0.550	0.484	0.321	0.237	0.124	0.085	4.6	0.5	0.4	0.4
9	1.090	3	RHS R1	FAIR	0.571	0.514	0.441	0.299	0.203	0.120	0.078	4.6	0.5	0.4	0.4
10	0.840	4	RHS R2	FAIR	0.581	0.487	0.422	0.287	0.213	0.114	0.080	4.6	0.5	0.4	0.4
11	0.590	4	RHS R1	FAIR	0.576	0.476	0.339	0.200	0.131	0.079	0.063	4.6	0.5	0.4	0.4
12	0.340	4	RHS R2	FAIR	0.559	0.464	0.408	0.265	0.190	0.106	0.077	4.6	0.5	0.4	0.4
13	0.090	4	RHS R1	FAIR	0.591	0.536	0.386	0.256	0.199	0.096	0.072	4.6	0.5	0.4	0.4
Road No. 15.6 mico circle to chandak circle															
14	1.810	5	LHS	FAIR	0.570	0.513	0.324	0.237	0.171	0.101	0.074	4.6	0.5	0.4	0.4
15	2.310	5	LHS	FAIR	0.538	0.511	0.383	0.257	0.186	0.096	0.066	4.6	0.5	0.4	0.4
16	2.420	6	RHS	FAIR	0.584	0.478	0.347	0.229	0.165	0.087	0.061	4.6	0.5	0.4	0.4
17	1.920	6	RHS	FAIR	0.564	0.513	0.422	0.261	0.197	0.106	0.071	4.6	0.5	0.4	0.4
Road No. 15.7 chandak circle to SSk hotel															
18	2.420	7	LHS L1	FAIR	0.593	0.480	0.434	0.282	0.213	0.109	0.070	4.6	0.5	0.4	0.4
19	2.545	7	LHS L2	FAIR	0.578	0.547	0.409	0.280	0.206	0.107	0.075	4.6	0.5	0.4	0.4
20	2.420	7	LHS L3	FAIR	0.585	0.522	0.408	0.278	0.192	0.114	0.086	4.6	0.5	0.4	0.4
21	2.630	8	RHS R1	FAIR	0.566	0.533	0.436	0.314	0.215	0.109	0.077	4.6	0.5	0.4	0.4
22	2.505	8	RHS R2	FAIR	0.581	0.528	0.433	0.336	0.248	0.141	0.099	4.6	0.5	0.4	0.4
23	2.630	8	RHS R3	FAIR	0.575	0.510	0.451	0.391	0.288	0.148	0.091	4.6	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No. 15.2 to 15.4 juna gangapur naka to sharanpur police chowki signal													
1	0.150	1	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	578.5	123.5	92.0	444.98	123.50	92.00
2	0.400	1	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1400.0	110.2	91.9	1097.85	110.20	91.90
3	0.650	1	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	573.1	144.6	92.0	414.45	144.60	92.00
4	0.900	1	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	639.8	408.5	92.0	458.29	408.50	92.00
5	1.150	2	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1067.7	107.0	91.9	767.93	107.00	91.90
6	1.400	2	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1129.0	128.2	92.0	853.03	128.20	92.00
7	1.590	3	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	863.4	161.4	92.0	665.95	161.40	92.00
8	1.340	3	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1159.1	100.4	85.9	928.01	100.40	85.90
9	1.090	3	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1262.4	100.4	92.0	909.21	100.40	92.00
10	0.840	4	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1147.3	106.6	91.9	826.31	106.60	91.90
11	0.590	4	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	578.5	195.8	92.0	446.20	195.80	92.00
12	0.340	4	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1110.8	131.7	92.0	812.13	131.70	92.00
13	0.090	4	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	904.3	110.2	92.0	707.18	110.20	92.00
				Road No. 15.6 mico circle to chandak circle													
14	1.810	5	LHS	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	634.4	185.2	92.0	388.15	185.20	92.00
15	2.310	5	LHS	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1094.6	123.5	92.0	681.66	123.50	92.00
16	2.420	6	RHS	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	636.6	172.7	92.0	412.36	172.70	92.00
17	1.920	6	RHS	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1053.8	100.8	92.0	650.04	100.80	92.00
				Road No. 15.7 chandak circle to SSk hotel													
18	2.420	7	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1014.0	100.8	91.8	743.39	100.80	91.80
19	2.545	7	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	938.7	101.2	92.0	699.58	101.20	92.00
20	2.420	7	LHS L3	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1037.6	102.7	91.9	775.41	102.70	91.90
21	2.630	8	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1040.9	100.8	91.5	728.52	100.80	91.50
22	2.505	8	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1405.4	101.2	79.5	1047.40	101.20	79.50
23	2.630	8	RHS R3	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1450.5	100.0	76.8	1078.06	100.00	76.80

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Temperature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 15.2 to 15.4 juna gangapur naka to sharanpur police chowki signal													
1	0.150	1	LHS L1	28.8	428.19	116.19	91.95	0.0006403	1.82	0.0007345	2.28	0.0002879	40.73	0.0003898	40.30	93	95
2	0.400	1	LHS L2	29.3													
3	0.650	1	LHS L1	27.3													
4	0.900	1	LHS L2	27.1													
5	1.150	2	LHS L1	27.2	780.70	110.18	91.92	0.0004871	3.15	0.0006421	4.19	0.0002530	40.32	0.0003454	69.73	85	85
6	1.400	2	LHS L2	28.4													
7	1.590	3	RHS R1	28.9	738.93	100.40	87.73	0.0005218	2.53	0.0006752	3.34	0.0002563	40.18	0.0003483	67.14	90	90
8	1.340	3	RHS R2	29.8													
9	1.090	3	RHS R1	27.2													
10	0.840	4	RHS R2	27.2	563.64	108.22	91.95	0.0005815	2.09	0.0006967	2.90	0.0002707	40.93	0.0003606	57.36	93	95
11	0.590	4	RHS R1	28.9													
12	0.340	4	RHS R2	27.6													
13	0.090	4	RHS R1	29.2													
				Road No. 15.6 mico circle to chandak circle													
14	1.810	5	LHS	23.2	432.18	132.76	92.00	0.0005941	2.41	0.0007214	2.47	0.0002728	49.83	0.0003900	40.21	93	95
15	2.310	5	LHS	23.7													
16	2.420	6	RHS	24.6	448.01	111.59	92.00	0.0006403	1.75	0.0007303	2.34	0.0002858	40.32	0.0003816	44.38	94	95
17	1.920	6	RHS	23.4													
				Road No. 15.7 chandak circle to SSk hotel														
18	2.420	7	LHS L1	27.7	712.73	100.92	91.83	0.0005295	2.46	0.0006600	3.70	0.0002565	41.31	0.0003398	75.10	91	95
19	2.545	7	LHS L2	28.1													
20	2.420	7	LHS L3	28.1													
21	2.630	8	RHS R1	26.5	824.19	100.24	77.61	0.0004963	2.80	0.0007132	2.61	0.0002498	40.45	0.0003656	53.89	89	90
22	2.505	8	RHS R2	28.1													
23	2.630	8	RHS R3	28.0													

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 15.8 SSK hotel to mahamarg taxi stand-mumbai naka															
24	2.630	9	LHS L1	FAIR	0.578	0.505	0.441	0.361	0.291	0.185	0.138	4.6	0.5	0.4	0.4
25	2.880	9	LHS L2	FAIR	0.573	0.512	0.408	0.310	0.239	0.135	0.094	4.6	0.5	0.4	0.4
26	3.130	9	LHS L1	FAIR	0.592	0.548	0.458	0.410	0.326	0.198	0.151	4.6	0.5	0.4	0.4
27	3.380	9	LHS L2	FAIR	0.578	0.497	0.461	0.346	0.286	0.185	0.141	4.6	0.5	0.4	0.4
28	3.500	10	RHS R1	FAIR	0.582	0.530	0.438	0.290	0.213	0.123	0.093	4.6	0.5	0.4	0.4
29	3.250	10	RHS R2	FAIR	0.589	0.471	0.320	0.198	0.148	0.100	0.078	4.6	0.5	0.4	0.4
30	3.000	10	RHS R1	FAIR	0.576	0.503	0.455	0.405	0.328	0.190	0.129	4.6	0.5	0.4	0.4
31	2.750	10	RHS R2	FAIR	0.524	0.426	0.399	0.286	0.216	0.136	0.100	4.6	0.5	0.4	0.4
Road No. 15.9 milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki															
32	0.000	11	LHS L1	FAIR	0.579	0.520	0.406	0.283	0.219	0.135	0.100	4.6	0.5	0.4	0.4
33	0.250	11	LHS L2	FAIR	0.576	0.512	0.459	0.377	0.242	0.126	0.084	4.6	0.5	0.4	0.4
34	0.500	11	LHS L1	FAIR	0.561	0.515	0.386	0.257	0.190	0.103	0.076	4.6	0.5	0.4	0.4
35	0.500	12	RHS R1	FAIR	0.585	0.493	0.392	0.237	0.173	0.117	0.094	4.6	0.5	0.4	0.4
36	0.250	12	RHS R2	FAIR	0.580	0.494	0.354	0.234	0.183	0.109	0.081	4.6	0.5	0.4	0.4
37	0.000	12	RHS R1	FAIR	0.533	0.462	0.339	0.256	0.207	0.122	0.096	4.6	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No. 15.8 SSK hotel to mahamarg taxi stand-mumbai naka													
24	2.630	9	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1478.5	259.5	61.4	1094.36	259.50	61.40
25	2.880	9	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1451.6	101.6	83.6	1035.54	101.60	83.60
26	3.130	9	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1489.2	246.6	55.9	1088.79	246.60	55.90
27	3.380	9	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1411.8	261.5	60.8	1035.03	261.50	60.80
28	3.500	10	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1247.3	100.0	89.2	947.61	100.00	89.20
29	3.250	10	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	543.0	255.2	92.0	412.53	255.20	92.00
30	3.000	10	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1497.8	232.6	59.4	1086.14	232.60	59.40
31	2.750	10	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1493.5	179.0	83.2	1077.12	179.00	83.20
				Road No. 15.9 milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki													
32	0.000	11	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1200.0	122.7	84.5	865.45	122.70	84.50
33	0.250	11	LHS L2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1295.7	102.7	84.2	969.62	102.70	84.20
34	0.500	11	LHS L1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	967.7	128.2	92.0	725.16	128.20	92.00
35	0.500	12	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	767.7	155.1	92.0	565.91	155.10	92.00
36	0.250	12	RHS R2	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1295.7	102.7	84.2	923.06	102.70	84.20
37	0.000	12	RHS R1	400.0	1500.0	100.0	500.0	23.0	92.0	210.0	150.0	1135.5	175.5	90.8	816.70	175.50	90.80

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Temperature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 15.8 SSK hotel to mahamarg taxi stand-mumbai naka													
24	2.630	9	LHS L1	27.9	1035.26	166.85	58.11	0.0003688	7.31	0.0007551	2.01	0.0001966	84.51	0.0003887	40.82	94	95
25	2.880	9	LHS L2	27.0													
26	3.130	9	LHS L1	27.6													
27	3.380	9	LHS L2	27.7													
28	3.500	10	RHS R1	28.5	653.31	135.55	70.11	0.0004963	3.41	0.0007866	1.67	0.0002312	66.65	0.0003890	40.68	101	105
29	3.250	10	RHS R2	28.5													
30	3.000	10	RHS R1	27.4													
31	2.750	10	RHS R2	27.3													
				Road No. 15.9 milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki													
32	0.000	11	LHS L1	27.3	767.25	108.70	84.29	0.0004974	2.95	0.0006852	3.12	0.0002542	40.17	0.0003618	56.51	87	90
33	0.250	11	LHS L2	28.2													
34	0.500	11	LHS L1	28.2													
35	0.500	12	RHS R1	27.8	641.15	118.42	86.18	0.0005260	2.77	0.0007022	2.80	0.0002640	40.42	0.0003756	47.69	88	90
36	0.250	12	RHS R2	27.0													
37	0.000	12	RHS R1	27.2													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road No. 16.1 Govind nagar, Nandini river to CCM Circle To Sambhaji Chowk	BHS	0+000	0+500	150	200	200	40	VG 40
Road No. 16.2 CCM Circle To ABB Circle	BHS	0+000	1+110	150	200	200	40	VG 40
Road No. 16.3 ABB Circle To Mahatma Nagar Signal	BHS	1+110	2+130	150	200	200	40	VG 40
Road No. 16.4 Mahatma Nagar Signal To Lokmat Circle	BHS	2130	2760	150	200	200	40	VG 40
Road No. 16.5 Lokmat Circle To Jehan Circle	BHS	2+760	3+150	150	200	200	40	VG 40
Road No. 16.6 Jehan Circle To Nerlikar Circle	BHS	3+150	3+420	150	200	200	40	VG 40
Road No. 16.8 Narsingh nagar To Aayodhya Chauk	BHS	3+750	3+960	150	200	200	40	VG 40
Road No. 16.9 Aayodhya Chauk To Chandashi Bridge	BHS	3+960	4+200	150	200	200	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 16.1 & 16.2	0.000	1.110	0.0006423	1.918	0.0007457	2.438	0.0002853	40.243	0.0003842	40.101	94	95
2	Road No. 16.1 & 16.2	1.110	0.000	0.0006423	1.752	0.0007315	2.168	0.0002865	40.952	0.0003898	40.301	93	95
3	Road No. 16.3 to 16.6	1.110	2.000	0.0006423	1.752	0.0007315	2.168	0.0002865	40.952	0.0003898	40.301	93	95
4	Road No. 16.3 to 16.6	2.000	3.420	0.0003572	6.288	0.0007463	2.311	0.0001981	84.210	0.0003746	40.452	96	100
5	Road No. 16.3 to 16.6	3.420	2.000	0.0005176	2.427	0.0006882	2.995	0.0002586	40.622	0.0003868	47.685	88	90
6	Road No. 16.3 to 16.6	2.000	1.110	0.0003585	5.431	0.0007051	2.411	0.0001984	81.210	0.0003652	40.221	95	95
7	Road No.16.8	3.750	3.960	0.0005061	2.671	0.0007128	2.295	0.0002521	40.822	0.0003869	47.485	89	90
8	Road No.16.8	3.960	3.750	0.0003358	5.481	0.0007441	1.911	0.0001952	78.510	0.0003827	40.532	93	95
9	Road No.16.9	3.960	4.200	0.0005358	2.064	0.0006825	3.002	0.0002576	40.710	0.0003682	75.295	91	95

SR.NO	Chianage	KM wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 16.1 & 16.2 Govind nagar, Nandini river to ABB Circle															
1	0.000	1	LHS L1	FAIR	0.579	0.505	0.441	0.360	0.292	0.185	0.138	9.5	0.5	0.4	0.4
2	0.000	1	LHS L3	FAIR	0.576	0.503	0.454	0.406	0.327	0.190	0.128	9.5	0.5	0.4	0.4
3	0.250	1	LHS L2	FAIR	0.578	0.498	0.462	0.346	0.287	0.184	0.141	9.5	0.5	0.4	0.4
4	0.500	1	LHS L1	FAIR	0.591	0.549	0.457	0.411	0.326	0.198	0.151	9.5	0.5	0.4	0.4
5	0.500	1	LHS L3	FAIR	0.589	0.471	0.320	0.198	0.147	0.100	0.077	9.5	0.5	0.4	0.4
6	0.750	1	LHS L2	FAIR	0.582	0.531	0.438	0.289	0.213	0.124	0.093	9.5	0.5	0.4	0.4
7	1.000	1	LHS L1	FAIR	0.573	0.513	0.408	0.310	0.238	0.135	0.094	9.5	0.5	0.4	0.4
8	1.000	1	LHS L3	FAIR	0.524	0.426	0.399	0.287	0.216	0.136	0.100	9.5	0.5	0.4	0.4
9	1.110	2	RHS R1	FAIR	0.579	0.520	0.406	0.283	0.219	0.134	0.100	9.5	0.5	0.4	0.4
10	1.110	2	RHS R3	FAIR	0.579	0.494	0.355	0.235	0.183	0.110	0.081	9.5	0.5	0.4	0.4
11	0.860	2	RHS R2	FAIR	0.584	0.492	0.392	0.237	0.173	0.117	0.094	9.5	0.5	0.4	0.4
12	0.610	2	RHS R1	FAIR	0.562	0.514	0.386	0.257	0.191	0.103	0.076	9.5	0.5	0.4	0.4
13	0.610	2	RHS R3	FAIR	0.548	0.501	0.443	0.296	0.234	0.143	0.109	9.5	0.5	0.4	0.4
14	0.360	2	RHS R2	FAIR	0.533	0.462	0.339	0.256	0.208	0.122	0.096	9.5	0.5	0.4	0.4
15	0.110	2	RHS R1	FAIR	0.576	0.512	0.459	0.376	0.243	0.126	0.084	9.5	0.5	0.4	0.4
16	0.110	2	RHS R3	FAIR	0.577	0.508	0.376	0.257	0.190	0.116	0.079	9.5	0.5	0.4	0.4
Road No. 16.3 to 16.6 ABB Circle to Nerlikar Circle															
17	1.110	3	LHS L1	FAIR	0.578	0.451	0.333	0.222	0.167	0.095	0.072	9.5	0.5	0.4	0.4
18	1.360	3	LHS L2	FAIR	0.541	0.446	0.389	0.297	0.238	0.141	0.046	9.5	0.5	0.4	0.4
19	1.610	3	LHS L1	FAIR	0.566	0.517	0.451	0.289	0.175	0.120	0.074	9.5	0.5	0.4	0.4
20	1.860	3	LHS L2	FAIR	0.537	0.454	0.396	0.302	0.257	0.162	0.043	9.5	0.5	0.4	0.4
21	2.110	4	LHS L1	FAIR	0.584	0.512	0.392	0.267	0.206	0.120	0.090	9.5	0.5	0.4	0.4
22	2.360	4	LHS L2	FAIR	0.541	0.431	0.376	0.284	0.234	0.137	0.059	9.5	0.5	0.4	0.4
23	2.610	4	LHS L1	FAIR	0.585	0.525	0.454	0.310	0.237	0.133	0.097	9.5	0.5	0.4	0.4
24	2.860	4	LHS L2	FAIR	0.484	0.418	0.376	0.298	0.265	0.174	0.056	9.5	0.5	0.4	0.4
25	3.110	4	LHS L1	FAIR	0.577	0.474	0.365	0.248	0.180	0.095	0.069	9.5	0.5	0.4	0.4
26	3.360	4	LHS L2	FAIR	0.594	0.494	0.430	0.342	0.288	0.186	0.062	9.5	0.5	0.4	0.4

SR.NO	Chianage	KM wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No. 16.1 & 16.2 Govind nagar, Nandini river to ABB Circle													
1	0.000	1	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1093.5	500.0	47.8	788.6	500.0	47.8
2	0.000	1	LHS L3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1080.9	198.0	145.2	770.0	198.0	145.2
3	0.250	1	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1093.5	199.2	162.5	806.1	199.2	162.5
4	0.500	1	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	758.6	100.5	96.2	568.5	100.5	96.2
5	0.500	1	LHS L3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1060.5	197.3	136.5	770.1	197.3	136.5
6	0.750	1	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1095.7	198.1	105.8	788.1	198.1	105.8
7	1.000	1	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	588.6	100.5	98.6	440.5	100.5	98.6
8	1.000	1	LHS L3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1097.8	199.6	95.7	797.2	199.6	95.7
9	1.110	2	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1025.8	198.8	97.9	754.1	198.8	97.9
10	1.110	2	RHS R3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1095.7	171.1	106.9	803.3	171.1	106.9
11	0.860	2	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	854.6	169.7	183.0	667.4	169.7	183.0
12	0.610	2	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1005.2	196.9	82.5	733.9	196.9	82.5
13	0.610	2	RHS R3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1079.6	111.6	93.6	820.2	111.6	93.6
14	0.360	2	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	958.6	100.0	125.4	748.6	100.0	125.4
15	0.110	2	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1069.9	199.6	122.0	797.4	199.6	122.0
16	0.110	2	RHS R3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1097.8	111.8	86.0	809.2	111.8	86.0
				Road No. 16.3 to 16.6 ABB Circle to Nerlikar Circle													
17	1.110	3	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1463.4	100.9	80.5	1052.5	100.9	80.5
18	1.360	3	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	576.8	154.8	99.1	421.1	154.8	99.1
19	1.610	3	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1490.3	199.2	111.9	1061.7	199.2	111.9
20	1.860	3	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1500.0	105.3	107.2	1117.9	105.3	107.2
21	2.110	4	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	960.7	195.7	112.1	697.6	195.7	112.1
22	2.360	4	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1062.0	102.4	124.1	829.4	102.4	124.1
23	2.610	4	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	584.3	108.3	95.3	424.3	108.3	95.3
24	2.860	4	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1097.8	100.0	105.2	857.3	100.0	105.2
25	3.110	4	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	985.6	170.5	92.4	724.5	170.5	92.4
26	3.360	4	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1071.0	151.9	107.4	785.2	151.9	107.4

SR.NO	Chianage	KM wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 16.1 & 16.2 Govind nagar, Nandini river to ABB Circle													
1	0.000	1	LHS L1	27.3	578.55	105.38	95.71	0.0006423	1.92	0.0007457	2.44	0.0002853	40.24	0.0003842	40.10	94	95
2	0.000	1	LHS L3	27.0													
3	0.250	1	LHS L2	27.8													
4	0.500	1	LHS L1	28.2													
5	0.500	1	LHS L3	27.4													
6	0.750	1	LHS L2	27.2													
7	1.000	1	LHS L1	28.2													
8	1.000	1	LHS L3	27.4													
9	1.110	2	RHS R1	27.7	734.66	111.61	86.38	0.0006423	1.75	0.0007315	2.17	0.0002865	40.95	0.0003898	40.30	93	95
10	1.110	2	RHS R3	27.7													
11	0.860	2	RHS R2	29.2													
12	0.610	2	RHS R1	27.6													
13	0.610	2	RHS R3	28.5													
14	0.360	2	RHS R2	29.2													
15	0.110	2	RHS R1	28.1													
16	0.110	2	RHS R3	27.8													
				Road No. 16.3 to 16.6 ABB Circle to Nerlikar Circle													
17	1.110	3	LHS L1	27.2	705.27	102.88	88.87	0.000519	2.16	0.0006586	3.41	0.0002453	40.71	0.0003487	74.60	92	95
18	1.360	3	LHS L2	27.6													
19	1.610	3	LHS L1	27.0													
20	1.860	3	LHS L2	28.1													
21	2.110	4	LHS L1	27.4	629.28	101.80	94.58	0.0003572	6.29	0.0007463	2.31	0.0001981	84.21	0.0003746	40.45	96	100
22	2.360	4	LHS L2	29.2													
23	2.610	4	LHS L1	27.4													
24	2.860	4	LHS L2	29.2													
25	3.110	4	LHS L1	27.7													
26	3.360	4	LHS L2	27.7													

SR.NO	Chianage	KM wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
27	3.420	5	RHS R1	FAIR	0.589	0.500	0.442	0.341	0.292	0.183	0.052	9.5	0.5	0.4	0.4
28	3.170	5	RHS R2	FAIR	0.542	0.421	0.345	0.254	0.214	0.130	0.049	9.5	0.5	0.4	0.4
29	2.920	5	RHS R1	FAIR	0.572	0.475	0.423	0.315	0.282	0.178	0.071	9.5	0.5	0.4	0.4
30	2.670	5	RHS R2	FAIR	0.540	0.493	0.427	0.259	0.183	0.071	0.040	9.5	0.5	0.4	0.4
31	2.420	5	RHS R1	FAIR	0.528	0.440	0.384	0.292	0.261	0.168	0.041	9.5	0.5	0.4	0.4
32	2.170	5	RHS R2	FAIR	0.558	0.493	0.436	0.336	0.243	0.129	0.064	9.5	0.5	0.4	0.4
33	1.920	6	RHS R1	FAIR	0.595	0.469	0.396	0.281	0.237	0.143	0.069	9.5	0.5	0.4	0.4
34	1.670	6	RHS R2	FAIR	0.539	0.498	0.443	0.415	0.306	0.153	0.059	9.5	0.5	0.4	0.4
35	1.420	6	RHS R1	FAIR	0.554	0.390	0.311	0.205	0.161	0.098	0.047	9.5	0.5	0.4	0.4
36	1.170	6	RHS R2	FAIR	0.556	0.450	0.422	0.300	0.211	0.099	0.049	9.5	0.5	0.4	0.4
Road No. 16.8 Narsingh nagar To Aayodhya Chauk															
37	3.750	7	LHS L1	FAIR	0.556	0.399	0.328	0.220	0.166	0.085	0.038	9.5	0.5	0.4	0.4
38	3.875	7	LHS L2	FAIR	0.564	0.489	0.368	0.226	0.162	0.082	0.048	9.5	0.5	0.4	0.4
39	3.750	7	LHS L3	FAIR	0.524	0.456	0.340	0.212	0.146	0.080	0.049	9.5	0.5	0.4	0.4
40	3.960	8	RHS R1	FAIR	0.554	0.491	0.398	0.276	0.206	0.113	0.058	9.5	0.5	0.4	0.4
41	3.835	8	RHS R2	FAIR	0.601	0.436	0.372	0.242	0.173	0.086	0.043	9.5	0.5	0.4	0.4
42	3.960	8	RHS R3	FAIR	0.567	0.455	0.313	0.294	0.206	0.104	0.051	9.5	0.5	0.4	0.4
Road No. 16.9 Aayodhya Chauk To Chandashi Bridge															
43	3.960	9	LHS	FAIR	0.548	0.426	0.357	0.267	0.214	0.123	0.066	9.5	0.5	0.4	0.4
44	4.200	9	RHS	FAIR	0.568	0.460	0.361	0.289	0.213	0.096	0.036	9.5	0.5	0.4	0.4

SR.NO	Chianage	KM wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	3.420	5	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	870.9	199.6	134.0	661.6	199.6	134.0
28	3.170	5	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1500.0	163.2	117.1	1092.2	163.2	117.1
29	2.920	5	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1092.5	149.2	90.0	805.3	149.2	90.0
30	2.670	5	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	125.6	129.9	108.9	91.6	129.9	108.9
31	2.420	5	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	993.5	104.5	93.4	752.7	104.5	93.4
32	2.170	5	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	898.9	100.0	210.0	640.4	100.0	210.0
33	1.920	6	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	990.6	199.2	89.1	751.6	199.2	89.1
34	1.670	6	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	996.8	109.2	107.4	687.3	109.2	107.4
35	1.420	6	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1092.5	107.1	145.5	830.0	107.1	145.5
36	1.170	6	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	852.6	100.0	100.9	592.7	100.0	100.9
				Road No. 16.8 Narsingh nagar To Aayodhya Chauk													
37	3.750	7	LHS L1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	967.7	111.8	98.1	696.0	111.8	98.1
38	3.875	7	LHS L2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	791.0	129.8	85.9	559.7	129.8	85.9
39	3.750	7	LHS L3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1063.0	103.1	100.1	749.1	103.1	100.1
40	3.960	8	RHS R1	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1090.6	194.5	124.1	750.9	194.5	124.1
41	3.835	8	RHS R2	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1026.9	111.8	101.2	718.7	111.8	101.2
42	3.960	8	RHS R3	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1090.3	100.7	93.4	762.1	100.7	93.4
				Road No. 16.9 Aayodhya Chauk To Chandashi Bridge													
43	3.960	9	LHS	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	1063.0	116.5	82.1	746.0	116.5	82.1
44	4.200	9	RHS	400.0	1500.0	100.0	500.0	47.5	190.0	200.0	150.0	892.5	100.8	100.5	641.9	100.8	100.5

SR.NO	Chianage	KM wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING			
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	Required Thickness	Recommended Thickness
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
27	3.420	5	RHS R1	28.5	503.18	103.38	92.55	0.0005176	2.43	0.0006882	3.00	0.0002586	40.62	0.0003868	47.69	88	90
28	3.170	5	RHS R2	27.5													
29	2.920	5	RHS R1	27.8													
30	2.670	5	RHS R2	27.5													
31	2.420	5	RHS R1	28.5													
32	2.170	5	RHS R2	27.0													
33	1.920	6	RHS R1	28.5	635.26	103.20	94.41	0.0003585	5.43	0.0007051	2.41	0.0001984	81.21	0.0003652	40.22	95	95
34	1.670	6	RHS R2	26.2													
35	1.420	6	RHS R1	28.5													
36	1.170	6	RHS R2	26.4													
				Road No. 16.8 Narsingh nagar To Aayodhya Chauk													
37	3.750	7	LHS L1	27.2	600.58	105.71	89.56	0.0005061	2.67	0.0007128	2.30	0.0002521	40.82	0.0003869	47.49	89	90
38	3.875	7	LHS L2	26.8													
39	3.750	7	LHS L3	26.7													
40	3.960	8	RHS R1	26.1	728.39	104.03	95.74	0.0003358	5.48	0.0007441	1.91	0.0001952	78.51	0.0003827	40.53	93	95
41	3.835	8	RHS R2	26.5													
42	3.960	8	RHS R3	26.5													
				Road No. 16.9 Aayodhya Chauk To Chandashi Bridge													
43	3.960	9	LHS	26.6	657.54	103.16	84.86	0.0005358	2.06	0.0006825	3.00	0.0002576	40.71	0.0003682	75.30	91	95
44	4.200	9	RHS	27.2													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road NO. 17.1 Ashok Stambh To Gole Colony Chauk	BHS	0+030	0+210	140	220	20	40	VG 40
Road NO. 17.2 Gole Colony Chaik To Police Commissioner Office	BHS	0+210	0+420	140	220	20	40	VG 40
Road NO. 17.3 Police Commissioner Office To Marathon Chauk	BHS	0+420	0+930	140	220	20	40	VG 40
Road NO. 17.4 Marathon Chauk To Juna Gangapur Naka	BHS	0+930	1+440	140	220	20	40	VG 40
Road NO. 17.5 Juna Gangapur Naka To Vidyavikas Circle	BHS	1+440	1+950	140	220	20	40	VG 40
Road NO. 17.6 Vidyavikas Circle To KBT Circle	BHS	1+950	2+250	140	220	20	40	VG 40
Road NO. 17.7 KBT Circle To Prasad Circle	BHS	2+250	2+640	140	220	20	40	VG 40
Road NO. 17.8 Prasad Circle To Jehan Circle	BHS	2+640	3+220	140	220	20	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 17.1 to 17.8	0.030	1.000	0.0006139	**1.578**	0.0006839	**3.151**	0.0002667	**40.414**	0.0003350	**80.098**	**98**	**100**
2	Road No. 17.1 to 17.8	1.000	2.000	0.0006279	**1.541**	0.0005252	**10.430**	0.0002717	**40.080**	0.0002695	**214.780**	**95**	**95**
3	Road No. 17.1 to 17.8	2.000	3.220	0.0006519	**1.390**	0.0006731	**3.387**	0.0002742	**40.381**	0.0003308	**84.814**	**99**	**100**
4	Road No. 17.1 to 17.8	3.220	2.000	0.0005956	**1.706**	0.0006244	**4.760**	0.0002639	**40.465**	0.0003115	**111.385**	**96**	**100**
5	Road No. 17.1 to 17.8	2.000	1.000	0.0006276	**1.511**	0.0006545	**3.845**	0.0002694	**40.547**	0.0003229	**94.636**	**98**	**100**
6	Road No. 17.1 to 17.8	1.000	0.030	0.0006702	**1.310**	0.0006604	**3.692**	0.0002757	**41.473**	0.0003240	**93.188**	**100**	**100**

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0.030	1	LHS L1	FAIR	0.559	0.420	0.340	0.257	0.195	0.126	0.080	8.4	0.5	0.4	0.4
2	0.030	1	LHS L3	FAIR	0.545	0.490	0.386	0.278	0.191	0.114	0.071	8.4	0.5	0.4	0.4
3	0.280	1	LHS L2	FAIR	0.570	0.383	0.305	0.192	0.130	0.060	0.033	8.4	0.5	0.4	0.4
4	0.530	1	LHS L1	FAIR	0.579	0.572	0.470	0.330	0.226	0.129	0.060	8.4	0.5	0.4	0.4
5	0.530	1	LHS L3	FAIR	0.527	0.502	0.403	0.284	0.203	0.120	0.074	8.4	0.5	0.4	0.4
6	0.780	1	LHS L2	FAIR	0.582	0.384	0.289	0.191	0.128	0.065	0.034	8.4	0.5	0.4	0.4
7	1.030	1	LHS L1	FAIR	0.527	0.389	0.312	0.226	0.178	0.112	0.072	8.4	0.5	0.4	0.4
8	1.030	1	LHS L3	FAIR	0.489	0.338	0.272	0.197	0.145	0.096	0.066	8.4	0.5	0.4	0.4
9	1.280	2	LHS L2	FAIR	0.446	0.325	0.265	0.196	0.139	0.079	0.045	8.4	0.5	0.4	0.4
10	1.530	2	LHS L1	FAIR	0.518	0.388	0.308	0.216	0.147	0.072	0.031	8.4	0.5	0.4	0.4
11	1.530	2	LHS L3	FAIR	0.461	0.294	0.202	0.133	0.089	0.048	0.029	8.4	0.5	0.4	0.4
12	1.780	2	LHS L2	FAIR	0.530	0.355	0.274	0.169	0.109	0.053	0.035	8.4	0.5	0.4	0.4
13	2.030	2	LHS L1	FAIR	0.522	0.392	0.314	0.222	0.155	0.082	0.042	8.4	0.5	0.4	0.4
14	2.030	2	LHS L3	FAIR	0.538	0.422	0.334	0.231	0.160	0.087	0.043	8.4	0.5	0.4	0.4
15	2.280	3	LHS L2	FAIR	0.522	0.496	0.397	0.279	0.197	0.115	0.069	8.4	0.5	0.4	0.4
16	2.530	3	LHS L1	FAIR	0.596	0.426	0.343	0.241	0.167	0.091	0.046	8.4	0.5	0.4	0.4
17	2.530	3	LHS L3	FAIR	0.547	0.370	0.264	0.167	0.106	0.053	0.031	8.4	0.5	0.4	0.4
18	2.780	3	LHS L2	FAIR	0.551	0.494	0.387	0.278	0.188	0.109	0.066	8.4	0.5	0.4	0.4
19	3.030	3	LHS L1	FAIR	0.539	0.404	0.331	0.244	0.177	0.093	0.042	8.4	0.5	0.4	0.4
20	3.030	3	LHS L3	FAIR	0.559	0.379	0.273	0.175	0.114	0.059	0.038	8.4	0.5	0.4	0.4
21	3.220	4	RHS R1	FAIR	0.591	0.423	0.325	0.214	0.142	0.068	0.036	8.4	0.5	0.4	0.4
22	3.220	4	RHS R3	FAIR	0.512	0.465	0.345	0.286	0.238	0.165	0.094	8.4	0.5	0.4	0.4
23	2.970	4	RHS R2	FAIR	0.524	0.393	0.304	0.205	0.142	0.073	0.035	8.4	0.5	0.4	0.4
24	2.720	4	RHS R1	FAIR	0.547	0.478	0.376	0.268	0.196	0.109	0.060	8.4	0.5	0.4	0.4
25	2.720	4	RHS R3	FAIR	0.612	0.449	0.371	0.267	0.191	0.104	0.050	8.4	0.5	0.4	0.4
26	2.470	4	RHS R2	FAIR	0.476	0.330	0.260	0.185	0.133	0.082	0.046	8.4	0.5	0.4	0.4
27	2.220	4	RHS R1	FAIR	0.502	0.366	0.295	0.207	0.148	0.081	0.046	8.4	0.5	0.4	0.4
28	2.220	4	RHS R3	FAIR	0.520	0.329	0.229	0.148	0.104	0.063	0.045	8.4	0.5	0.4	0.4
29	1.970	5	RHS R2	FAIR	0.528	0.462	0.404	0.286	0.209	0.143	0.084	8.4	0.5	0.4	0.4
30	1.720	5	RHS R1	FAIR	0.553	0.387	0.294	0.194	0.132	0.068	0.034	8.4	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER									
				Lower	Upper	Lower	Upper	Lower	Upper	GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	0.030	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1154.8	175.5	94.5	803.86	175.50	94.50
2	0.030	1	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1365.6	100	100.9	964.94	100.00	100.90
3	0.280	1	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	864.5	100	166.8	605.06	100.00	166.80
4	0.530	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1307.5	100	95.9	942.98	100.00	95.90
5	0.530	1	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1464.5	103.5	96.6	1020.83	103.50	96.60
6	0.780	1	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	883.9	100.4	167.9	611.94	100.40	167.90
7	1.030	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1106.5	188.4	105.3	779.73	188.40	105.30
8	1.030	1	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	878.5	227.5	121.8	618.22	227.50	121.80
9	1.280	2	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1481.7	116.8	149.6	1020.25	116.80	149.60
10	1.530	2	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1180.6	100	166.2	827.43	100.00	166.20
11	1.530	2	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	707.5	190.3	168	495.85	190.30	168.00
12	1.780	2	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	831.2	101.6	168	592.15	101.60	168.00
13	2.030	2	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1297.8	100	140.5	918.28	100.00	140.50
14	2.030	2	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1297.8	100.8	133.6	907.09	100.80	133.60
15	2.280	3	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1500	101.6	99.5	1084.77	101.60	99.50
16	2.530	3	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1044.1	100.4	128	741.80	100.40	128.00
17	2.530	3	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	761.3	101.6	168	525.63	101.60	168.00
18	2.780	3	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1449.5	100	102.5	1015.89	100.00	102.50
19	3.030	3	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1303.2	100.4	131.7	924.62	100.40	131.70
20	3.030	3	LHS L3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	791.4	100.8	168	544.93	100.80	168.00
21	3.220	4	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	893.5	100	157.4	634.80	100.00	157.40
22	3.220	4	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1500	254.1	77.8	1061.35	254.10	77.80
23	2.970	4	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1115.1	100.4	157	767.82	100.40	157.00
24	2.720	4	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1388.2	100.4	106.5	968.96	100.40	106.50
25	2.720	4	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1065.6	100	116.9	771.67	100.00	116.90
26	2.470	4	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1450.5	120.7	149.4	1004.21	120.70	149.40
27	2.220	4	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1460.2	100.8	143.1	1023.38	100.80	143.10
28	2.220	4	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	626.9	154.7	167.4	435.79	154.70	167.40
29	1.970	5	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1479.6	153.6	86.3	1041.23	153.60	86.30
30	1.720	5	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	980.6	100	165.8	701.45	100.00	165.80

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	43
1	0.030	1	LHS L1	26.4	612.26	100.00	95.94	0.0006139	1.58	0.0006839	3.15	0.0002667	40.41	0.000335	80.10	98	100
2	0.030	1	LHS L3	26.8													
3	0.280	1	LHS L2	26.5													
4	0.530	1	LHS L1	27.3													
5	0.530	1	LHS L3	26.4													
6	0.780	1	LHS L2	26.3													
7	1.030	1	LHS L1	26.7													
8	1.030	1	LHS L3	26.7													
9	1.280	2	LHS L2	26.1	568.08	100.00	138.78	0.0006279	1.54	0.0005252	10.43	0.0002717	40.08	0.0002695	214.78	95	95
10	1.530	2	LHS L1	26.6													
11	1.530	2	LHS L3	26.6													
12	1.780	2	LHS L2	27.0													
13	2.030	2	LHS L1	26.8													
14	2.030	2	LHS L3	26.5													
15	2.280	3	LHS L2	27.3	540.11	100.30	101.75	0.0006519	1.39	0.0006731	3.39	0.0002742	40.38	0.0003308	84.81	99	100
16	2.530	3	LHS L1	26.9													
17	2.530	3	LHS L3	26.2													
18	2.780	3	LHS L2	26.6													
19	3.030	3	LHS L1	26.9													
20	3.030	3	LHS L3	26.1													
21	3.220	4	RHS R1	26.9	641.45	100.02	107.02	0.0005956	1.71	0.0006244	4.76	0.0002639	40.47	0.0003115	111.39	96	100
22	3.220	4	RHS R3	26.8													
23	2.970	4	RHS R2	26.1													
24	2.720	4	RHS R1	26.5													
25	2.720	4	RHS R3	27.4													
26	2.470	4	RHS R2	26.3													
27	2.220	4	RHS R1	26.6													
28	2.220	4	RHS R3	26.4													
29	1.970	5	RHS R2	26.7	582.56	100.00	103.40	0.0006276	1.51	0.0006545	3.85	0.0002694	40.55	0.0003229	94.64	98	100
30	1.720	5	RHS R1	27.1													

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
31	1.720	5	RHS R3	FAIR	0.568	0.419	0.343	0.228	0.159	0.082	0.053	8.4	0.5	0.4	0.4
32	1.470	5	RHS R2	FAIR	0.613	0.406	0.328	0.228	0.155	0.082	0.064	8.4	0.5	0.4	0.4
33	1.220	5	RHS R1	FAIR	0.535	0.396	0.285	0.175	0.103	0.038	0.014	8.4	0.5	0.4	0.4
34	1.220	5	RHS R3	FAIR	0.490	0.401	0.288	0.221	0.145	0.112	0.084	8.4	0.5	0.4	0.4
35	0.970	6	RHS R2	FAIR	0.479	0.449	0.232	0.152	0.112	0.079	0.044	8.4	0.5	0.4	0.4
36	0.720	6	RHS R1	FAIR	0.475	0.340	0.258	0.173	0.120	0.062	0.037	8.4	0.5	0.4	0.4
37	0.720	6	RHS R3	FAIR	0.526	0.437	0.324	0.259	0.181	0.149	0.080	8.4	0.5	0.4	0.4
38	0.470	6	RHS R2	FAIR	0.570	0.431	0.207	0.142	0.099	0.069	0.033	8.4	0.5	0.4	0.4
39	0.220	6	RHS R1	FAIR	0.540	0.495	0.388	0.265	0.182	0.098	0.060	8.4	0.5	0.4	0.4
40	0.220	6	RHS R3	FAIR	0.618	0.419	0.312	0.202	0.140	0.079	0.040	8.4	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	1.720	5	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1049.5	100.4	128.6	730.56	100.40	128.60
32	1.470	5	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	875.3	100	125.5	615.97	100.00	125.50
33	1.220	5	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	688.2	102.3	168	482.33	102.30	168.00
34	1.220	5	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	940.9	230.6	109.1	654.07	230.60	109.10
35	0.970	6	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	830.1	136.8	161.3	573.13	136.80	161.30
36	0.720	6	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1331.2	100	167.8	932.97	100.00	167.80
37	0.720	6	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1126.9	225.5	91.5	781.24	225.50	91.50
38	0.470	6	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	465.6	136	168	323.22	136.00	168.00
39	0.220	6	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	1296.8	100	110.9	899.02	100.00	110.90
40	0.220	6	RHS R3	400.0	1500.0	100.0	500.0	42.0	168.0	220.0	140.0	844.1	100	146.7	602.98	100.00	146.70

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	43
31	1.720	5	RHS R3	26.4													
32	1.470	5	RHS R2	26.7													
33	1.220	5	RHS R1	26.6													
34	1.220	5	RHS R3	26.4													
35	0.970	6	RHS R2	26.2	510.66	100.00	106.05	0.0006702	1.31	0.0006604	3.69	0.0002757	41.47	0.000324	93.19	100	100
36	0.720	6	RHS R1	26.6													
37	0.720	6	RHS R3	26.3													
38	0.470	6	RHS R2	26.3													
39	0.220	6	RHS R1	26.3													
40	0.220	6	RHS R3	27.0													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road No.18.1 Khadkali Signal Circle To Trimbak Naka (cc Road)	BHS	0+000	0+570	130	200	20	40	VG 40
Road No.18.2 Trimbak Naka To Mico Circle	BHS	0+000	0+990	130	200	20	40	VG 40
Road No.18.3 Mico Circle To Panchawati Ellite	BHS	0+990	1+920	130	200	20	40	VG 40
Road No.18.4 Panchawati Ellite To ABB Circle (Widening at PTC)	BHS	1+920	2+880	130	200	20	40	VG 40
Road No.18.5 ABB Circle To ITI Circle	BHS	2+880	3+300	130	200	20	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMED ED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No.18.1	0.000	0.570	0.0005346	**2.057**	0.0006181	**3.853**	0.0002485	**40.386**	0.0003281	**108.094**	**91**	**95**
2	Road No.18.1	0.570	0.000	0.0005272	**1.857**	0.0006062	**3.930**	0.0002546	**40.616**	0.0003146	**112.344**	**93**	**95**
3	Road No.18.2 to 18.5	0.000	1.000	0.0005123	**2.585**	0.0005843	**5.940**	0.0002431	**40.894**	0.0002995	**156.254**	**95**	**95**
4	Road No.18.2 to 18.5	1.000	2.000	0.0006543	**1.057**	0.0005256	**9.754**	0.0002537	**41.375**	0.0002682	**207.053**	**97**	**100**
5	Road No.18.2 to 18.5	2.000	3.300	0.0005286	**2.381**	0.0005862	**3.457**	0.0002765	**40.487**	0.0003256	**124.260**	**89**	**90**
6	Road No.18.2 to 18.5	3.300	2.000	0.0005308	**2.852**	0.0005908	**5.813**	0.0002586	**40.899**	0.0003185	**118.466**	**90**	**90**
7	Road No.18.2 to 18.5	2.000	1.000	0.0006128	**1.759**	0.0006082	**4.764**	0.0002687	**40.529**	0.0003085	**114.339**	**98**	**100**
8	Road No.18.2 to 18.5	1.000	0.000	0.0006383	**1.869**	0.0005725	**10.754**	0.0002746	**41.375**	0.0002859	**205.433**	**97**	**100**

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No.18.1 Khadkali Signal Circle To Trimbak Naka (cc Road)															
1	0.000	1	LHS L1	FAIR	0.540	0.498	0.417	0.311	0.128	0.084	0.060	12.2	0.5	0.4	0.4
2	0.000	1	LHS L3	FAIR	0.582	0.456	0.366	0.253	0.097	0.053	0.049	12.2	0.5	0.4	0.4
3	0.250	1	LHS L2	FAIR	0.584	0.456	0.378	0.273	0.097	0.061	0.044	12.2	0.5	0.4	0.4
4	0.500	1	LHS L1	FAIR	0.560	0.462	0.382	0.276	0.083	0.037	0.032	12.2	0.5	0.4	0.4
5	0.500	1	LHS L3	FAIR	0.565	0.461	0.387	0.295	0.144	0.091	0.066	12.2	0.5	0.4	0.4
6	0.570	2	RHS R1	FAIR	0.582	0.530	0.484	0.354	0.145	0.096	0.075	12.2	0.5	0.4	0.4
7	0.570	2	RHS R3	FAIR	0.558	0.517	0.416	0.231	0.190	0.128	0.092	12.2	0.5	0.4	0.4
8	0.320	2	RHS R2	FAIR	0.580	0.517	0.422	0.306	0.138	0.096	0.075	12.2	0.5	0.4	0.4
9	0.070	2	RHS R1	FAIR	0.572	0.321	0.271	0.231	0.158	0.110	0.085	12.2	0.5	0.4	0.4
10	0.070	2	RHS R3	FAIR	0.582	0.498	0.425	0.375	0.169	0.114	0.082	12.2	0.5	0.4	0.4
Road No.18.2 to 18.5 Trimbak Naka To ITI Circle															
11	0.000	3	LHS L1	FAIR	0.583	0.518	0.446	0.362	0.133	0.083	0.065	12.2	0.5	0.4	0.4
12	0.000	3	LHS L3	FAIR	0.563	0.468	0.432	0.341	0.165	0.099	0.073	12.2	0.5	0.4	0.4
13	0.250	3	LHS L2	FAIR	0.558	0.515	0.432	0.316	0.136	0.091	0.069	12.2	0.5	0.4	0.4
14	0.500	3	LHS L1	FAIR	0.589	0.433	0.385	0.281	0.120	0.085	0.059	12.2	0.5	0.4	0.4
15	0.500	3	LHS L3	FAIR	0.577	0.541	0.482	0.367	0.184	0.115	0.092	12.2	0.5	0.4	0.4
16	0.750	3	LHS L2	FAIR	0.596	0.550	0.487	0.348	0.140	0.092	0.074	12.2	0.5	0.4	0.4
17	1.000	3	LHS L1	FAIR	0.547	0.436	0.388	0.290	0.134	0.102	0.076	12.2	0.5	0.4	0.4
18	1.000	3	LHS L3	FAIR	0.578	0.524	0.498	0.345	0.124	0.081	0.065	12.2	0.5	0.4	0.4
19	1.250	4	LHS L2	FAIR	0.588	0.559	0.494	0.361	0.159	0.111	0.095	12.2	0.5	0.4	0.4
20	1.500	4	LHS L1	FAIR	0.572	0.523	0.421	0.306	0.135	0.094	0.075	12.2	0.5	0.4	0.4
21	1.500	4	LHS L3	FAIR	0.559	0.537	0.425	0.297	0.109	0.077	0.062	12.2	0.5	0.4	0.4
22	1.750	4	LHS L2	FAIR	0.565	0.553	0.438	0.390	0.138	0.072	0.061	12.2	0.5	0.4	0.4
23	2.000	4	LHS L1	FAIR	0.559	0.520	0.461	0.390	0.165	0.105	0.077	12.2	0.5	0.4	0.4
24	2.000	4	LHS L3	FAIR	0.571	0.535	0.501	0.361	0.148	0.097	0.072	12.2	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No.18.1 Khadkali Signal Circle To Trimbak Naka (cc Road)													
1	0.000	1	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1091.5	136.8	76.2	848.9	136.8	76.2
2	0.000	1	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1031.2	102.7	104.3	816.5	102.7	104.3
3	0.250	1	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1023.5	104.1	95.6	812.7	104.1	95.6
4	0.500	1	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1036.6	163.8	97.2	752.7	163.8	97.2
5	0.500	1	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1090.6	100.4	107.1	817.3	100.4	107.1
6	0.570	2	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1091.5	149.7	84.8	867.9	149.7	84.8
7	0.570	2	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1090.3	104.6	95.6	869.3	104.6	95.6
8	0.320	2	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1095.7	100.4	94.2	821.1	100.4	94.2
9	0.070	2	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1091.1	112.5	98.3	814.3	112.5	98.3
10	0.070	2	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1026.9	109.3	109.6	778.0	109.3	109.6
				Road No.18.2 to 18.5 Trimbak Naka To ITI Circle													
11	0.000	3	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1418.3	153.7	95.8	1068.7	153.7	95.8
12	0.000	3	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1048.4	138.3	98.5	883.8	138.3	98.5
13	0.250	3	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	864.5	100.0	128.5	664.0	100.0	128.5
14	0.500	3	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1290.3	182.6	155.8	1017.4	182.6	155.8
15	0.500	3	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1094.6	103.2	88.8	892.3	103.2	88.8
16	0.750	3	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	947.3	100.0	172.9	751.1	100.0	172.9
17	1.000	3	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1458.1	156.7	102.5	1137.1	156.7	102.5
18	1.000	3	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1181.7	124.2	101.4	915.2	124.2	101.4
19	1.250	4	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1075.3	100.4	160.9	856.2	100.4	160.9
20	1.500	4	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1007.3	234.9	95.6	772.7	234.9	95.6
21	1.500	4	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1090.3	185.6	76.1	849.1	185.6	76.1
22	1.750	4	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1365.6	101.2	94.4	1088.8	101.2	94.4
23	2.000	4	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	986.0	100.4	174.0	749.1	100.4	174.0
24	2.000	4	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1090.6	107.4	98.2	929.8	107.4	98.2

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Teamperature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING			
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	Required Thickness	Recommended Thickness
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No.18.1 Khadkali Signal Circle To Trimbak Naka (cc Road)													
1	0.000	1	LHS L1	29.1	788.69	101.78	87.84	0.0005346	2.06	0.0006181	3.85	0.0002485	40.39	0.0003281	108.09	91	95
2	0.000	1	LHS L3	29.5													
3	0.250	1	LHS L2	29.6													
4	0.500	1	LHS L1	27.4													
5	0.500	1	LHS L3	28.2													
6	0.570	2	RHS R1	29.6	799.78	102.92	90.44	0.0005272	1.86	0.0006062	3.93	0.0002546	40.62	0.0003146	112.34	93	95
7	0.570	2	RHS R3	29.7													
8	0.320	2	RHS R2	28.2													
9	0.070	2	RHS R1	28.1													
10	0.070	2	RHS R3	28.5													
				Road No.18.2 to 18.5 Trimbak Naka To ITI Circle													
11	0.000	3	LHS L1	28.3	757.75	100.16	95.94	0.0005123	2.59	0.0005843	5.94	0.0002431	40.89	0.0002995	156.25	95	95
12	0.000	3	LHS L3	31.0													
13	0.250	3	LHS L2	28.8													
14	0.500	3	LHS L1	29.4													
15	0.500	3	LHS L3	30.2													
16	0.750	3	LHS L2	29.6													
17	1.000	3	LHS L1	29.2													
18	1.000	3	LHS L3	29.0													
19	1.250	4	LHS L2	29.7	766.78	100.40	89.83	0.0006543	1.06	0.0005256	9.75	0.0002537	41.38	0.0002682	207.05	97	100
20	1.500	4	LHS L1	28.8													
21	1.500	4	LHS L3	29.1													
22	1.750	4	LHS L2	29.7													
23	2.000	4	LHS L1	28.5													
24	2.000	4	LHS L3	31.3													

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25	2.250	5	LHS L2	FAIR	0.577	0.497	0.431	0.215	0.159	0.090	0.081	12.2	0.5	0.4	0.4
26	2.500	5	LHS L1	FAIR	0.545	0.438	0.374	0.293	0.134	0.079	0.066	12.2	0.5	0.4	0.4
27	2.500	5	LHS L3	FAIR	0.597	0.537	0.250	0.193	0.133	0.096	0.070	12.2	0.5	0.4	0.4
28	2.750	5	LHS L2	FAIR	0.564	0.444	0.362	0.261	0.110	0.074	0.058	12.2	0.5	0.4	0.4
29	3.000	5	LHS L1	FAIR	0.580	0.338	0.270	0.240	0.158	0.106	0.080	12.2	0.5	0.4	0.4
30	3.000	5	LHS L3	FAIR	0.603	0.536	0.504	0.421	0.228	0.119	0.089	12.2	0.5	0.4	0.4
31	3.250	5	LHS L2	FAIR	0.566	0.455	0.370	0.274	0.117	0.084	0.067	12.2	0.5	0.4	0.4
32	3.300	6	RHS R1	FAIR	0.576	0.537	0.483	0.346	0.148	0.099	0.073	12.2	0.5	0.4	0.4
33	3.300	6	RHS R3	FAIR	0.566	0.451	0.373	0.278	0.103	0.086	0.052	12.2	0.5	0.4	0.4
34	3.050	6	RHS R2	FAIR	0.560	0.450	0.259	0.210	0.131	0.110	0.072	12.2	0.5	0.4	0.4
35	2.800	6	RHS R1	FAIR	0.572	0.512	0.473	0.400	0.207	0.102	0.080	12.2	0.5	0.4	0.4
36	2.800	6	RHS R3	FAIR	0.551	0.402	0.294	0.207	0.068	0.051	0.042	12.2	0.5	0.4	0.4
37	2.550	6	RHS R2	FAIR	0.593	0.473	0.389	0.273	0.110	0.074	0.060	12.2	0.5	0.4	0.4
38	2.300	6	RHS R1	FAIR	0.595	0.510	0.454	0.370	0.168	0.118	0.092	12.2	0.5	0.4	0.4
39	2.300	6	RHS R3	FAIR	0.584	0.466	0.383	0.271	0.102	0.065	0.051	12.2	0.5	0.4	0.4
40	2.050	6	RHS R2	FAIR	0.557	0.518	0.454	0.330	0.127	0.083	0.062	12.2	0.5	0.4	0.4
41	1.800	7	RHS R1	FAIR	0.555	0.427	0.342	0.231	0.103	0.077	0.062	12.2	0.5	0.4	0.4
42	1.800	7	RHS R3	FAIR	0.582	0.526	0.504	0.370	0.145	0.094	0.078	12.2	0.5	0.4	0.4
43	1.550	7	RHS R2	FAIR	0.568	0.542	0.430	0.382	0.141	0.093	0.070	12.2	0.5	0.4	0.4
44	1.300	7	RHS R1	FAIR	0.582	0.537	0.426	0.301	0.116	0.073	0.062	12.2	0.5	0.4	0.4
45	1.300	7	RHS R3	FAIR	0.574	0.547	0.482	0.350	0.159	0.091	0.072	12.2	0.5	0.4	0.4
46	1.050	7	RHS R2	FAIR	0.587	0.559	0.462	0.396	0.138	0.089	0.070	12.2	0.5	0.4	0.4
47	0.800	8	RHS R1	FAIR	0.544	0.486	0.383	0.254	0.096	0.060	0.051	12.2	0.5	0.4	0.4
48	0.800	8	RHS R3	FAIR	0.561	0.449	0.370	0.277	0.135	0.094	0.071	12.2	0.5	0.4	0.4
49	0.550	8	RHS R2	FAIR	0.578	0.535	0.510	0.353	0.132	0.085	0.070	12.2	0.5	0.4	0.4
50	0.300	8	RHS R1	FAIR	0.558	0.517	0.434	0.312	0.118	0.098	0.058	12.2	0.5	0.4	0.4
51	0.300	8	RHS R3	FAIR	0.553	0.529	0.385	0.245	0.089	0.054	0.041	12.2	0.5	0.4	0.4
52	0.050	8	RHS R2	FAIR	0.585	0.540	0.504	0.348	0.128	0.082	0.062	12.2	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
25	2.250	5	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1489.2	156.7	78.9	1159.8	156.7	78.9
26	2.500	5	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1036.6	114.1	126.8	835.7	114.1	126.8
27	2.500	5	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1478.5	100.0	97.0	1271.1	100.0	97.0
28	2.750	5	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1202.2	100.0	120.9	963.9	100.0	120.9
29	3.000	5	LHS L1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	972.0	138.7	113.0	763.3	138.7	113.0
30	3.000	5	LHS L3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1093.5	123.9	100.8	856.3	123.9	100.8
31	3.250	5	LHS L2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	890.3	100.8	144.7	690.5	100.8	144.7
32	3.300	6	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1023.7	148.9	104.0	797.2	148.9	104.0
33	3.300	6	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1088.2	100.8	120.1	847.5	100.8	120.1
34	3.050	6	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1332.3	100.0	101.2	1046.2	100.0	101.2
35	2.800	6	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1131.2	124.2	111.9	993.4	124.2	111.9
36	2.800	6	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1353.8	100.0	109.4	1080.9	100.0	109.4
37	2.550	6	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1335.5	116.4	98.2	1050.2	116.4	98.2
38	2.300	6	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1217.2	128.2	96.6	961.1	128.2	96.6
39	2.300	6	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1390.3	102.3	113.4	1087.2	102.3	113.4
40	2.050	6	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	711.8	113.7	131.9	557.4	113.7	131.9
41	1.800	7	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1066.7	103.5	160.0	899.2	103.5	160.0
42	1.800	7	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1065.6	492.6	96.7	854.3	492.6	96.7
43	1.550	7	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1105.2	109.4	109.9	872.7	109.4	109.9
44	1.300	7	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1006.5	130.1	159.6	783.8	130.1	159.6
45	1.300	7	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1020.1	124.2	119.5	802.2	124.2	119.5
46	1.050	7	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1079.6	100.8	95.9	839.6	100.8	95.9
47	0.800	8	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	636.6	172.7	109.8	499.9	172.7	109.8
48	0.800	8	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1125.6	100.8	100.5	863.4	100.8	100.5
49	0.550	8	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	795.7	100.0	105.7	630.9	100.0	105.7
50	0.300	8	RHS R1	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1147.3	132.5	93.8	904.7	132.5	93.8
51	0.300	8	RHS R3	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1439.8	128.9	109.5	1151.1	128.9	109.5
52	0.050	8	RHS R2	400.0	1500.0	100.0	500.0	61.0	244.0	200.0	130.0	1140.9	100.0	85.9	902.1	100.0	85.9

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Teamperature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING			
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	Required Thickness	Recommended Thickness
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
25	2.250	5	LHS L2	29.1	756.00	100.00	95.19	0.0005286	2.38	0.0005862	3.46	0.0002765	40.49	0.0003256	124.26	89	90
26	2.500	5	LHS L1	30.0													
27	2.500	5	LHS L3	31.5													
28	2.750	5	LHS L2	29.8													
29	3.000	5	LHS L1	29.3													
30	3.000	5	LHS L3	29.3													
31	3.250	5	LHS L2	29.0													
32	3.300	6	RHS R1	29.1	807.29	100.16	98.80	0.0005308	2.85	0.0005908	5.81	0.0002586	40.90	0.0003185	118.47	90	90
33	3.300	6	RHS R3	29.1													
34	3.050	6	RHS R2	29.3													
35	2.800	6	RHS R1	32.0													
36	2.800	6	RHS R3	29.7													
37	2.550	6	RHS R2	29.4													
38	2.300	6	RHS R1	29.5													
39	2.300	6	RHS R3	29.2													
40	2.050	6	RHS R2	29.3													
41	1.800	7	RHS R1	31.0	797.58	102.83	96.50	0.0006128	1.76	0.0006082	4.76	0.0002687	40.53	0.0003085	114.34	98	100
42	1.800	7	RHS R3	29.8													
43	1.550	7	RHS R2	29.5													
44	1.300	7	RHS R1	29.1													
45	1.300	7	RHS R3	29.4													
46	1.050	7	RHS R2	29.1													
47	0.800	8	RHS R1	29.3	598.16	100.00	91.83	0.0006383	1.87	0.0005725	10.75	0.0002746	41.38	0.0002859	205.43	97	100
48	0.800	8	RHS R3	28.8													
49	0.550	8	RHS R2	29.6													
50	0.300	8	RHS R1	29.4													
51	0.300	8	RHS R3	29.8													
52	0.050	8	RHS R2	29.5													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road No. 19.1 Forest Nursery Bridge To Datta Mandir Chauk	BHS	0+000	0+300	130	210	20	40	VG 40
Road No. 19.2 Datta Mandir Chauk To L. Vasant Pawar Chauk	BHS	0+300	0+510	130	210	20	40	VG 40
Road No. 19.3 L.Vasant Pawar Chauk To Wagh Guruji School Chauk	BHS	0+510	0+920	130	210	20	40	VG 40
Road No. 19.4 Wagh Guruji School Chauk To KBT Circle	BHS	0+920	1+290	130	210	20	40	VG 40
Road No. 19.5 KBT Circle To PTA Kulkarni Chauk	BHS	1+290	1+800	130	210	20	40	VG 40
Road No. 19.6 PTA,Kulkarni Chauk To Sidhharth Nagar Slum Jn	BHS	1+800	2+430	130	210	20	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 19.1	0.000	0.300	0.0006149	1.389	0.0006939	3.251	0.0002498	40.220	0.0004350	81.098	97	100
2	Road No. 19.1	0.300	0.000	0.0005488	1.865	0.0005123	8.240	0.0002645	40.057	0.0003818	196.893	98	100
3	Road No. 19.2& 19.3	0.300	0.920	0.0005582	1.975	0.0005580	8.702	0.0002684	40.375	0.0003726	202.927	95	95
4	Road No. 19.2& 19.3	0.920	0.300	0.0004937	2.645	0.0004793	13.478	0.0002572	40.587	0.0002641	282.446	89	90
5	Road No. 19.4 &19.5	0.920	1.800	0.0004985	2.552	0.0006253	6.088	0.0002572	40.636	0.0003189	114.700	88	90
6	Road No. 19.4 &19.5	1.800	0.920	0.0004886	2.517	0.0004829	15.681	0.0002476	40.454	0.0002574	316.465	88	90
7	Road No. 19.6	1.800	2.430	0.0004886	2.517	0.0004829	15.681	0.0002476	40.454	0.0002574	316.465	88	90
8	Road No. 19.6	2.430	1.800	0.0005398	1.693	0.0007868	3.291	0.0002491	40.633	0.0003362	103.074	98	100

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 19.1 Forest Nursery Bridge To Datta Mandir Chauk															
1	0.000	1	LHS L1	FAIR	0.496	0.361	0.290	0.204	0.145	0.079	0.045	5.3	0.5	0.4	0.4
2	0.250	1	LHS L2	FAIR	0.487	0.345	0.285	0.211	0.156	0.096	0.060	5.3	0.5	0.4	0.4
3	0.300	2	RHS R1	FAIR	0.506	0.363	0.303	0.228	0.172	0.111	0.076	5.3	0.5	0.4	0.4
4	0.050	2	RHS R2	FAIR	0.559	0.391	0.297	0.196	0.133	0.068	0.034	5.3	0.5	0.4	0.4
Road No. 19.2 & 19.3 Datta Mandir Chauk To Wagh Guruji School Chauk															
5	0.300	3	LHS L1	FAIR	0.542	0.401	0.288	0.177	0.103	0.037	0.022	5.3	0.5	0.4	0.4
6	0.800	3	LHS L1	FAIR	0.566	0.398	0.304	0.202	0.139	0.075	0.041	5.3	0.5	0.4	0.4
7	0.920	4	RHS R1	FAIR	0.537	0.492	0.385	0.263	0.180	0.097	0.059	5.3	0.5	0.4	0.4
8	0.420	4	RHS R1	FAIR	0.522	0.392	0.303	0.205	0.141	0.073	0.035	5.3	0.5	0.4	0.4
Road No. 19.4 &19.5 Wagh Guruji School Chauk To PTA Kulkarni Chauk															
9	0.920	5	LHS L1	FAIR	0.588	0.421	0.323	0.213	0.140	0.067	0.036	5.3	0.5	0.4	0.4
10	1.170	5	LHS L2	FAIR	0.541	0.473	0.371	0.265	0.193	0.108	0.059	5.3	0.5	0.4	0.4
11	1.420	5	LHS L1	FAIR	0.547	0.477	0.373	0.264	0.190	0.104	0.053	5.3	0.5	0.4	0.4
12	1.670	5	LHS L2	FAIR	0.487	0.345	0.285	0.211	0.155	0.096	0.060	5.3	0.5	0.4	0.4
13	1.800	6	RHS R1	FAIR	0.586	0.414	0.299	0.205	0.089	0.066	0.053	5.3	0.5	0.4	0.4
14	1.550	6	RHS R2	FAIR	0.965	0.662	0.451	0.265	0.088	0.056	0.042	5.3	0.5	0.4	0.4
15	1.300	6	RHS R1	FAIR	0.627	0.431	0.305	0.223	0.088	0.064	0.058	5.3	0.5	0.4	0.4
16	1.050	6	RHS R2	FAIR	0.522	0.390	0.268	0.171	0.078	0.057	0.046	5.3	0.5	0.4	0.4
Road No. 19.6 PTA Kulkarni Chauk To Sidhharth Nagar Slum Jn															
17	1.800	7	LHS L1	FAIR	0.801	0.551	0.413	0.268	0.143	0.101	0.093	5.3	0.5	0.4	0.4
18	2.300	7	LHS L1	FAIR	0.581	0.450	0.281	0.178	0.076	0.058	0.050	5.3	0.5	0.4	0.4
19	2.430	8	RHS R1	FAIR	0.567	0.438	0.268	0.167	0.065	0.048	0.041	5.3	0.5	0.4	0.4
20	1.930	8	RHS R1	FAIR	0.555	0.424	0.312	0.206	0.074	0.047	0.036	5.3	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER									
				Lower	Upper	Lower	Upper	Lower	Upper	GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
1	2	3	4	17	18	19	20	21	22	23	24	25	26	1	28	29	30
			Road No. 19.1 Forest Nursery Bridge To Datta Mandir Chauk														
1	0.000	1	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1511.2	103.7	152.6	1059.13	103.70	152.60
2	0.250	1	LHS L2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1015.1	100.4	187.6	719.23	100.40	187.60
3	0.300	2	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1318.2	100.4	150.6	928.91	100.40	150.60
4	0.050	2	RHS R2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1089.6	100.3	161.2	768.87	100.30	161.20
			Road No. 19.2 & 19.3 Datta Mandir Chauk To Wagh Guruji School Chauk														
5	0.300	3	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1350.6	110.7	161.2	938.87	110.70	161.20
6	0.800	3	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	975.3	100.3	187.6	686.34	100.30	187.60
7	0.920	4	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1387.6	100.4	162.3	985.84	100.40	162.30
8	0.420	4	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1474.3	100.4	158.6	1043.16	100.40	158.60
			Road No. 19.4 &19.5 Wagh Guruji School Chauk To PTA Kulkarni Chauk														
9	0.920	5	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1465.2	100.8	162.3	1032.50	100.80	162.30
10	1.170	5	LHS L2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1362.5	101.3	167.8	938.17	101.30	167.80
11	1.420	5	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1026.6	125.6	142.3	723.42	125.60	142.30
12	1.670	5	LHS L2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	565.9	116.3	168.6	384.92	116.30	168.60
13	1.800	6	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	896.6	109.6	163.2	634.40	109.60	163.20
14	1.550	6	RHS R2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	968.9	130.6	152.3	687.43	130.60	152.30
15	1.300	6	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	730.1	136.8	161.3	530.88	136.80	161.30
16	1.050	6	RHS R2	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1354.9	106.6	158.6	932.94	106.60	158.60
			Road No. 19.6 PTA Kulkarni Chauk To Sidhharth Nagar Slum Jn														
17	1.800	7	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1452.3	100.8	161.2	1066.18	100.80	161.20
18	2.300	7	LHS L1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1254.6	100.6	150.6	893.78	100.60	150.60
19	2.430	8	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1379.6	100.8	154.6	955.13	100.80	154.60
20	1.930	8	RHS R1	400.0	1500.0	100.0	500.0	26.5	106.0	210.0	130.0	1345.1	110.6	163.2	964.81	110.60	163.20

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING			
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	Required Thickness	Recommended Thickness
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 19.1 Forest Nursery Bridge To Datta Mandir Chauk													
1	0.000	1	LHS L1	26.6	770.21	100.90	157.85	0.0006149	1.39	0.0006939	3.25	0.0002498	40.22	0.000435	81.10	97	100
2	0.250	1	LHS L2	26.8													
3	0.300	2	RHS R1	26.7	792.87	100.32	152.19	0.0005488	1.87	0.0005123	8.24	0.0002645	40.06	0.0003818	196.89	98	100
4	0.050	2	RHS R2	26.7													
				Road No. 19.2 & 19.3 Datta Mandir Chauk To Wagh Guruji School Chauk													
5	0.300	3	LHS L1	26.4	724.22	101.86	165.16	0.0005582	1.98	0.000558	8.70	0.0002684	40.37	0.0003726	202.93	95	95
6	0.800	3	LHS L1	26.7													
7	0.920	4	RHS R1	26.9	994.44	100.40	159.16	0.0004937	2.64	0.0004793	13.48	0.0002572	40.59	0.0002641	282.45	89	90
8	0.420	4	RHS R1	26.8													
				Road No. 19.4 &19.5 Wagh Guruji School Chauk To PTA Kulkarni Chauk													
9	0.920	5	LHS L1	26.7	537.25	101.03	151.30	0.0004985	2.55	0.0006253	6.09	0.0002572	40.64	0.0003189	114.70	88	90
10	1.170	5	LHS L2	26.1													
11	1.420	5	LHS L1	26.7													
12	1.670	5	LHS L2	25.8													
13	1.800	6	RHS R1	26.8	577.47	107.95	155.14	0.0004886	2.52	0.0004829	15.68	0.0002476	40.45	0.0002574	316.47	88	90
14	1.550	6	RHS R2	26.9													
15	1.300	6	RHS R1	27.5													
16	1.050	6	RHS R2	26.1													
				Road No. 19.6 PTA Kulkarni Chauk To Sidhharth Nagar Slum Jn													
17	1.800	7	LHS L1	27.7	919.64	100.63	152.19	0.0005812	1.46	0.0009111	1.47	0.0002589	40.35	0.0003707	56.29	104	105
18	2.300	7	LHS L1	27.0													
19	2.430	8	RHS R1	26.3	956.58	102.27	155.89	0.0005398	1.69	0.0007868	3.29	0.0002491	40.63	0.0003362	103.07	98	100
20	1.930	8	RHS R1	27.1													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness (MM)	Design Life		
		From	To			Design Life (Yrs.)	Adopted MSA	VG30/VG40
Road No. 20.1 - Chopda Lawns To Horizon School Road	BHS	0+300	1+440	150	200	20	40	VG 40
Road No. 20.3 - Datta Chowk To Nirmala Convent Chowk	BHS	0+000	0+390	150	200	20	40	VG 40
Road No. 20.4 - Nirmala Convent Chowk To Chaitanya Nagar	BHS	0+390	0+690	150	200	20	40	VG 40
Road No. 20.6 - Chandashi Bridge Rd To Aasaram Bapu Aashram	BHS	1+050	1+260	150	200	20	40	VG 40

REMAINING LIFE

SR. NO.	Road No.	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 20.1	0.300	1.440	0.0006532	**1.037**	0.0007422	**2.174**	0.0002533	**41.329**	0.0002751	**195.659**	**106**	**110**
2	Road No. 20.1	1.440	0.300	0.0006133	**1.272**	0.0007364	**2.253**	0.0002512	**40.970**	0.0002794	**182.374**	**103**	**105**
3	Road No. 20.3	0.000	0.390	0.0006185	**1.247**	0.0007143	**2.587**	0.0002513	**41.442**	0.0002833	**171.265**	**101**	**105**
4	Road No. 20.3	0.390	0.000	0.0005866	**1.347**	0.0007086	**2.683**	0.0002438	**40.995**	0.0002782	**185.968**	**103**	**105**
5	Road No. 20.4	0.390	0.690	0.0005671	**1.543**	0.0007113	**2.637**	0.0002446	**40.655**	0.0002691	**216.232**	**100**	**100**
6	Road No. 20.6	1.050	1.260	0.0005543	**1.585**	0.0007149	**2.577**	0.0002412	**40.337**	0.0002743	**198.260**	**98**	**100**

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 20.1 - Chopda Lawns To Horizon School Road															
1	0.300	1	LHS L2	Fair	0.587	0.397	0.296	0.172	0.116	0.061	0.043	10.7	0.5	0.4	0.4
2	0.500	1	LHS L1	Fair	0.581	0.392	0.291	0.167	0.112	0.057	0.039	10.7	0.5	0.4	0.4
3	0.750	1	LHS L2	Fair	0.580	0.391	0.291	0.169	0.113	0.059	0.041	10.7	0.5	0.4	0.4
4	1.000	1	LHS L1	Fair	0.579	0.391	0.291	0.169	0.114	0.060	0.042	10.7	0.5	0.4	0.4
5	1.250	1	LHS L2	Fair	0.607	0.411	0.306	0.178	0.120	0.064	0.045	10.7	0.5	0.4	0.4
6	1.250	2	RHS R2	Fair	0.529	0.478	0.443	0.322	0.153	0.095	0.050	10.7	0.5	0.4	0.4
7	1.000	2	RHS R1	Fair	0.536	0.380	0.279	0.153	0.092	0.042	0.030	10.7	0.5	0.4	0.4
8	0.750	2	RHS R2	Fair	0.538	0.426	0.353	0.285	0.201	0.097	0.043	10.7	0.5	0.4	0.4
9	0.500	2	RHS R1	Fair	0.548	0.515	0.412	0.312	0.263	0.158	0.085	10.7	0.5	0.4	0.4
10	0.300	2	RHS R2	Fair	0.552	0.361	0.280	0.160	0.100	0.038	0.012	10.7	0.5	0.4	0.4
Road No. 20.3 - Datta Chowk To Nirmala Convent Chowk															
11	0.000	3	LHS	Fair	0.553	0.401	0.287	0.159	0.100	0.063	0.026	10.7	0.5	0.4	0.4
12	0.250	3	LHS	Fair	0.557	0.364	0.282	0.161	0.101	0.038	0.012	10.7	0.5	0.4	0.4
13	0.250	4	RHS	Fair	0.432	0.388	0.343	0.285	0.154	0.092	0.046	10.7	0.5	0.4	0.4
14	0.000	4	RHS	Fair	0.521	0.389	0.273	0.155	0.093	0.066	0.040	10.7	0.5	0.4	0.4
Road No. 20.4 - Nirmala Convent Chowk To Chaitanya Nagar															
15	0.390	5	LHS	Fair	0.547	0.455	0.399	0.288	0.220	0.135	0.076	10.7	0.5	0.4	0.4
16	0.515	5	RHS	Fair	0.546	0.511	0.450	0.341	0.218	0.078	0.043	10.7	0.5	0.4	0.4
17	0.640	5	LHS	Fair	0.539	0.430	0.353	0.285	0.201	0.097	0.043	10.7	0.5	0.4	0.4
Road No. 20.6 - Chandashi Bridge Rd To Aasaram Bapu Aashram															
18	1.050	6	LHS	Fair	0.502	0.443	0.374	0.283	0.239	0.119	0.012	10.7	0.5	0.4	0.4
19	1.260	6	RHS	Fair	0.556	0.397	0.292	0.165	0.102	0.038	0.030	10.7	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No. 20.1 - Chopda Lawns To Horizon School Road													
1	0.300	1	LHS L2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1138.3	107.6	198.5	828.83	107.60	198.50
2	0.500	1	LHS L1	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	950	109.2	200.9	690.78	109.20	200.90
3	0.750	1	LHS L2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1152.8	117.9	189.3	839.39	117.90	189.30
4	1.000	1	LHS L1	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1236.1	129	196.8	913.69	129.00	196.80
5	1.250	1	LHS L2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1100	117.5	191.3	796.58	117.50	191.30
6	1.250	2	RHS R2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1456.6	125.9	180.6	1051.94	125.90	180.60
7	1.000	2	RHS R1	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1299.2	119.2	201.4	945.99	119.20	201.40
8	0.750	2	RHS R2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1381.9	115.9	195.8	1020.06	115.90	195.80
9	0.500	2	RHS R1	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1062.1	117	200.3	770.19	117.00	200.30
10	0.300	2	RHS R2	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1076.6	110	204.7	805.66	110.00	204.70
				Road No. 20.3 - Datta Chowk To Nirmala Convent Chowk													
11	0.000	3	LHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1043.2	124.2	202.4	765.84	124.20	202.40
12	0.250	3	LHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1143.5	118.7	198.2	856.90	118.70	198.20
13	0.250	4	RHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1416	113.4	201.1	1059.65	113.40	201.10
14	0.000	4	RHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1202.6	114	204	879.25	114.00	204.00
				Road No. 20.4 - Nirmala Convent Chowk To Chaitanya Nagar													
15	0.390	5	LHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1350.6	131.8	188.7	1001.06	131.80	188.70
16	0.515	5	RHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1197.9	123.1	204.9	881.82	123.10	204.90
17	0.640	5	LHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1296.4	123.4	195	947.83	123.40	195.00
				Road No. 20.6 - Chandashi Bridge Rd To Aasaram Bapu Aashram													
18	1.050	6	LHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1482.3	131	182.4	1095.67	131.00	182.40
19	1.260	6	RHS	400.0	1500.0	100.0	500.0	53.5	214.0	200.0	150.0	1315.8	126.6	198.8	947.67	126.60	198.80

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Teamperatur e	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 20.1 - Chopda Lawns To Horizon School Road													
1	0.300	1	LHS L2	27.5	754.26	108.56	190.50	0.0006532	1.037	0.0007422	2.174	0.0002533	41.33	0.0002751	195.7	106	110
2	0.500	1	LHS L1	27.5													
3	0.750	1	LHS L2	27.5													
4	1.000	1	LHS L1	27.9													
5	1.250	1	LHS L2	27.4													
6	1.250	2	RHS R2	27.3	791.47	113.54	189.72	0.0006133	1.272	0.0007364	2.253	0.0002512	40.97	0.0002794	182.4	103	105
7	1.000	2	RHS R1	27.5													
8	0.750	2	RHS R2	27.8													
9	0.500	2	RHS R1	27.4													
10	0.300	2	RHS R2	28.2													
				Road No. 20.3 - Datta Chowk To Nirmala Convent Chowk													
11	0.000	3	LHS	27.7	779.50	119.53	198.83	0.0006185	1.247	0.0007143	2.587	0.0002513	41.44	0.0002833	171.3	101	105
12	0.250	3	LHS	28.2													
13	0.250	4	RHS	28.2	906.31	113.49	201.54	0.0005866	1.347	0.0007086	2.683	0.0002438	40.99	0.0002782	186	103	105
14	0.000	4	RHS	27.6													
				Road No. 20.4 - Nirmala Convent Chowk To Chaitanya Nagar													
15	0.390	5	LHS	27.9	901.63	123.19	190.59	0.0005671	1.543	0.0007113	2.637	0.0002446	40.65	0.0002691	216.2	100	100
16	0.515	5	RHS	27.8													
17	0.640	5	LHS	27.6													
				Road No. 20.6 - Chandashi Bridge Rd To Aasaram Bapu Aashram													
18	1.050	6	LHS	27.9	969.87	127.26	184.86	0.0005543	1.585	0.0007149	2.577	0.0002412	40.34	0.0002743	198.3	98	100
19	1.260	6	RHS	27.2													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness	Design Life		
		From	To			Design Life	Adopted MSA	VG30/VG40
Road No. 21.1 Gadkari Circle To Chandak Circle	BHS	1+500	2+160	150	210	20	40	VG 40
Road No. 21.2 Chanda Circle to Savarkar Swimming pool Road	BHS	0+000	0+260	150	210	20	40	VG 40

REMAINING LIFE

SR. NO.	Section	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 21.1	1.500	2.160	0.0005567	2.164	0.0006524	3.241	0.0002476	40.541	0.0003452	71.470	93	95
2	Road No. 21.1	2.160	1.500	0.0003574	5.381	0.0007165	2.341	0.0002004	80.821	0.0003547	40.462	94	95
3	Road No. 21.2	0.000	0.260	0.0005485	2.064	0.0006782	3.160	0.0002557	40.361	0.0003758	78.295	91	95

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 21.1 Gadkari Circle To Chandak Circle															
1	1.500	1	LHS L1	FAIR	0.583	0.515	0.473	0.435	0.174	0.110	0.078	6.1	0.5	0.4	0.4
2	1.500	1	LHS L3	FAIR	0.553	0.444	0.365	0.270	0.117	0.078	0.060	6.1	0.5	0.4	0.4
3	1.750	1	LHS L2	FAIR	0.549	0.443	0.369	0.274	0.113	0.071	0.051	6.1	0.5	0.4	0.4
4	2.000	1	LHS L1	FAIR	0.561	0.435	0.352	0.250	0.112	0.079	0.060	6.1	0.5	0.4	0.4
5	2.000	1	LHS L3	FAIR	0.589	0.446	0.363	0.265	0.115	0.085	0.067	6.1	0.5	0.4	0.4
6	2.160	2	RHS R1	FAIR	0.532	0.433	0.351	0.255	0.104	0.069	0.050	6.1	0.5	0.4	0.4
7	2.160	2	RHS R3	FAIR	0.544	0.492	0.393	0.271	0.120	0.088	0.070	6.1	0.5	0.4	0.4
8	1.910	2	RHS R2	FAIR	0.578	0.545	0.530	0.377	0.151	0.110	0.086	6.1	0.5	0.4	0.4
9	1.660	2	RHS R1	FAIR	0.577	0.424	0.334	0.224	0.064	0.031	0.025	6.1	0.5	0.4	0.4
10	1.660	2	RHS R3	FAIR	0.579	0.488	0.414	0.319	0.156	0.106	0.082	6.1	0.5	0.4	0.4
Road No. 21.2 Chanda Circle to Savarkar Swimming pool Road															
11	0.000	3	LHS	FAIR	0.581	0.492	0.420	0.327	0.171	0.119	0.099	6.1	0.5	0.4	0.4
12	0.260	3	RHS	FAIR	0.565	0.454	0.370	0.270	0.109	0.069	0.052	6.1	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	1	28	29	30
				Road No. 21.1 Gadkari Circle To Chandak Circle													
1	1.500	1	LHS L1	400.0	1500.0	100.0	500.0	0.0	0.0	210.0	150.0	970.2	175.5	112.6	754.54	175.50	112.60
2	1.500	1	LHS L3	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1052.4	101.4	120.7	833.30	101.40	120.70
3	1.750	1	LHS L2	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	684.3	108.3	95.3	543.34	108.30	95.30
4	2.000	1	LHS L1	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1057.8	100	105.2	768.12	100.00	105.20
5	2.000	1	LHS L3	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	975.6	160.5	98.4	731.08	160.50	98.40
6	2.160	2	RHS R1	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1086.1	100.9	107.4	863.56	100.90	107.40
7	2.160	2	RHS R3	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	994.2	109.2	107.4	792.68	109.20	107.40
8	1.910	2	RHS R2	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1092.5	107.1	145.5	818.68	107.10	145.50
9	1.660	2	RHS R1	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	842.8	100	100.9	628.97	100.00	100.90
10	1.660	2	RHS R3	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1175.4	111.5	95.6	890.53	111.50	95.60
				Road No. 21.2 Chanda Circle to Savarkar Swimming pool Road													
11	0.000	3	LHS	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	1053.8	110.5	89.1	794.03	110.50	89.10
12	0.260	3	RHS	400.0	1500.0	100.0	500.0	30.5	122.0	210.0	150.0	852.5	100.8	100.5	691.12	100.80	100.50

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING			
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	Required Thickness	Recommended Thickness
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	44
				Road No. 21.1 Gadkari Circle To Chandak Circle													
1	1.500	1	LHS L1	29.1	655.98	100.84	97.16	0.0005567	2.16	0.0006524	3.24	0.0002476	40.54	0.0003452	71.47	93	95
2	1.500	1	LHS L3	29.5													
3	1.750	1	LHS L2	29.6													
4	2.000	1	LHS L1	27.4													
5	2.000	1	LHS L3	28.2													
6	2.160	2	RHS R1	29.6	727.20	100.54	98.78	0.0003574	5.38	0.0007165	2.34	0.0002004	80.82	0.0003547	40.46	94	95
7	2.160	2	RHS R3	29.7													
8	1.910	2	RHS R2	28.2													
9	1.660	2	RHS R1	28.1													
10	1.660	2	RHS R3	28.5													
				Road No. 21.2 Chanda Circle to Savarkar Swimming pool Road													
11	0.000	3	LHS	28.3	706.55	102.26	90.81	0.0005485	2.06	0.0006782	3.16	0.0002557	40.36	0.0003758	78.30	91	95
12	0.260	3	RHS	30.1													

Section Details	Side	Chainage		Crust Thickness (MM)	Granular Layer Thickness (MM)	Design Life		
		From	To			Design Life (Yrs.)	Adopted MSA	VG30/VG40
Road No. 22.1 - Mumbai Naka To Mahamarg Taxi Stand	BHS	0+000	0+210	100	200	20	40	VG 40
Road No. 22.2 - Mahamarg Taxi Stand M Naka To Sandip Hotel Chauk	BHS	0+210	0+330	100	200	20	40	VG 40
Road No. 22.3 - Hotel Sandip Chauk To Gadakari Chauk	BHS	0+330	0+720	100	200	20	40	VG 40
Road No. 22.4 - Gadakari Chauk To Trimbak Naka	BHS	0+720	1+140	100	200	20	40	VG 40

REMAINING LIFE

SR. NO.	Road No.	CHAINAGE		REMAINING LIFE OF ROAD				OVERLAY DESIGN				REQUIRED THICKNESS	RECOMMEDED THICKNESS
		FROM	TO	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA	FATIGUE TENSILE STR	MSA	RUTTING VERTICAL STR	MSA		
1	Road No. 22.1 To 22.4	0.000	1.140	0.0006231	1.118	0.0007123	2.620	0.0002480	40.266	0.0002866	162.505	**104**	**105**
2	Road No. 22.1 To 22.4	1.140	0.000	0.0006024	1.154	0.0006866	3.095	0.0002408	40.877	0.0002781	186.271	**100**	**100**

SR.NO	Chianage	KM Wise Section	Lane Position	Road Condition	AVERAGE DEFELCTION AT A RADIAL DISTANCE (MM) OF							CBR	POISSON'S RATIO		
					0	200	300	450	600	900	1500		BT LAYER	GRANNULAR LAYER	SUBGRADE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Road No. 22.1 To 22.4 - Mumbai Naka To Trimbak Naka															
1	0.000	1	LHS L1	Fair	0.534	0.465	0.412	0.354	0.220	0.126	0.032	8.4	0.5	0.4	0.4
2	0.250	1	LHS L2	Fair	0.601	0.411	0.307	0.178	0.125	0.068	0.050	8.4	0.5	0.4	0.4
3	0.500	1	LHS L1	Fair	0.583	0.393	0.292	0.167	0.112	0.057	0.039	8.4	0.5	0.4	0.4
4	0.750	1	LHS L2	Fair	0.581	0.394	0.293	0.170	0.116	0.060	0.044	8.4	0.5	0.4	0.4
5	1.000	1	LHS L1	Fair	0.575	0.388	0.288	0.165	0.112	0.057	0.039	8.4	0.5	0.4	0.4
6	1.000	2	RHS R1	Fair	0.551	0.434	0.305	0.167	0.103	0.047	0.043	8.4	0.5	0.4	0.4
7	0.750	2	RHS R2	Fair	0.551	0.433	0.303	0.164	0.101	0.044	0.025	8.4	0.5	0.4	0.4
8	0.500	2	RHS R1	Fair	0.498	0.368	0.262	0.158	0.112	0.069	0.050	8.4	0.5	0.4	0.4
9	0.250	2	RHS R2	Fair	0.589	0.505	0.359	0.291	0.151	0.093	0.049	8.4	0.5	0.4	0.4
10	0.000	2	RHS R1	Fair	0.539	0.474	0.438	0.348	0.267	0.141	0.026	8.4	0.5	0.4	0.4

SR.NO	Chianage	KM Wise Section	Lane Position	LAYER MODULIE RANGES						THICKNESS		BACK CAL. FROM KGPBACK SOFTWARE			CORRECTED MODULIE		
				BT LAYER		GRANNULAR LAYER		SUBGRADE LAYER		GRANULAR THICKNESS	CRUST THICKNESS	BC	SUB GRAN	SUB GRADE	BC	GRANNULAR	SUB GRADE
				Lower	Upper	Lower	Upper	Lower	Upper								
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30
				Road No. 22.1 To 22.4 - Mumbai Naka To Trimbak Naka													
1	0.000	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1070.8	111.4	147.4	778.62	111.40	147.40
2	0.250	1	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1467.7	119.6	154.2	1059.96	119.60	154.20
3	0.500	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1384.4	105.6	124.4	1010.79	105.60	124.40
4	0.750	1	LHS L2	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1464.5	115.7	106.2	1063.44	115.70	106.20
5	1.000	1	LHS L1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1257.3	112.1	146.2	908.01	112.10	146.20
6	1.000	2	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1251	104.3	134	903.46	104.30	134.00
7	0.750	2	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1378.8	106.5	152.4	1001.21	106.50	152.40
8	0.500	2	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1453.2	129.1	132.2	1053.80	129.10	132.20
9	0.250	2	RHS R2	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1471.4	125.6	140.6	1074.31	125.60	140.60
10	0.000	2	RHS R1	400.0	1500.0	100.0	500.0	42.0	168.0	200.0	100.0	1443.2	125.3	152.4	1043.69	125.30	152.40

SR.NO	Chianage	KM Wise Section	Lane Position	Avg. Team perature	15TH PERCENTILE VALUES (TEMP CORRECTED VALUES)			Remaining life of Pavement				Design MSA				Overlay Requirement	
								FATIGUE		RUTTING		FATIGUE		RUTTING		Required Thickness	Recommended Thickness
								TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA	TENSILE STRAIN FROM IIT PAVE SOFTWARE	MSA	VERTICAL STRAIN FROM IIT PAVE SOFTWARE	MSA		
1	2	3	4	31	32	33	34	35	36	37	38	39	40	41	42	43	43
				Road No. 22.1 To 22.4 - Mumbai Naka To Trimbak Naka													
1	0.000	1	LHS L1	27.5	856.25	109.08	117.12	0.0006231	1.118	0.0007123	2.62	0.000248	40.27	0.0002866	162.5	104	105
2	0.250	1	LHS L2	27.3													
3	0.500	1	LHS L1	27.6													
4	0.750	1	LHS L2	27.4													
5	1.000	1	LHS L1	27.3													
6	1.000	2	RHS R1	27.3	962.11	105.62	133.28	0.0006024	1.154	0.0006866	3.095	0.0002408	40.88	0.0002781	186.3	100	100
7	0.750	2	RHS R2	27.4													
8	0.500	2	RHS R1	27.4													
9	0.250	2	RHS R2	27.6													
10	0.000	2	RHS R1	27.3													

2.4.3 Discussion and Conclusion of Result Values:

For the project West Nashik Division.

Civil Tech's Eray-FWD20MT Falling Weight Deflectometer was engaged for data collection and the survey was carried on 12/08/2025. The testing was undertaken in all sections that reflected the road conditions and pavement composition. Subsequently the analysis was undertaken with appropriate pavement compositions as per IRC guidelines - IRC 115: 2014 and IRC 37: 2018.

- Existing road No.15 has crust thickness of 150 mm on BHS side and Granular thickness is 210mm on BHS side.

  Existing road No.16 has crust thickness of 150 mm on BHS side and Granular thickness is 200 mm on BHS side.

  Existing road No.17 has crust thickness of 140 mm on BHS side and Granular thickness is 220 mm on BHS side.

  Existing road No.18 has crust thickness of 130 mm on BHS side and Granular thickness is 200 mm on BHS side.

  Existing road No.19 has crust thickness of 130 mm on BHS side and Granular thickness is 220 mm on BHS side.

  Existing road No.20 has crust thickness of 150 mm on BHS side and Granular thickness is 200 mm on BHS side.

  Existing road No.21 has crust thickness of 150 mm on BHS side and Granular thickness is 210 mm on BHS side.

  Existing road No.22 has crust thickness of 100 mm on BHS side and Granular thickness is 200 mm on BHS side.

- The design MSA is 40.
- However, as required by the office of Nashik Municipal Corporation following are the recommendation:

1. For Road No. 15 From Chainage 0+150 to 1+590 PQC Layer of 300 mm,150mm DLC layer & 300mm GSB Layer is proposed and From Chainage 1+810 to 3+500 & From Chainage 0+000 to 0+500 BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
2. For Road No. 16 From Chainage 0+000 to 0+500 & From Chainage 0+000 to 4+200 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
3. For Road No. 17 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
4. For Road No. 18 From Chainage 0+000 to 0+570 Minimum thickness of whitetopping is 175mm & DBM is 75mm proposed & From Chainage 0+000 to 3+300 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
5. For Road No. 19 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
6. For Road No. 20 From Chainage 0+300 to 1+440 & From Chainage 0+000 to 0+690 & From Chainage 1+050 to 1+260 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm is proposed.
7. For Road No. 21 Minimum thickness of whitetopping is 200mm & DBM is 75mm proposed.
8. For Road No. 22 From Chainage 0+000 to 0+720 Minimum thickness of BC is 40mm, DBM is 60mm and BM with thickness of 55mm & From Chainage 0+720 to 1+140 Minimum

thickness of whitetopping is 200mm & DBM is 75mm proposed.

For Civil Tech India Pvt. Ltd.,

Reviewed By
Vaishali A. Kachare

Authorised Signatory
Minal V. Bagul

Report No. :- CT/NSK/R/12557/25

Date :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- KTHM Bridge to Old Gangapur Naka to Sharanpur Police chauki Mico Circle to Chandak circle to Mahamarg Bus Stand

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

Sr. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
15	KTHM Bridge to Old Gangapur Naka to Sharanpur Police chauki Mico Circle to Chandak circle to Mahamarg Bus Stand	150	210	300

Note :-

1) This report refers only to the particular data collected on site.

2) Report shall not be reproduce except in full without prior written Permission of Civil Tech Lab.

For Civil Tech India Pvt. Ltd.,

Reviewed By
Vaishali A. Kachare

Authorised Signatory
Minal V. Bagul

Report No. :-CT/NSK/R/12558/25

Date :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Improvement for Govind nagar bridge (Nandani River) to ABB Circle jehan circle to Chandsi bridge

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
16	Improvement for Govind nagar bridge (Nandani River) to ABB Circle jehan circle to Chandsi bridge	150	200	310

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For Civil Tech India Pvt. Ltd.,

Reviewed By
Vaishali A. Kachare

CIVILTECH INDIA PVT. LTD. NASHIK

Authorised Signatory
Minal V. Bagul

Report No. :- CT/NSK/R/12559/25

Date :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Improvement for Ashok stambh to Jehan Circle Road

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
17	Improvement for Ashok stambh to Jehan Circle Road	140	220	350

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Minal V. Bagul

Report No. :- CT/NSK/R/12560/25

Date :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Improvement for Khadkali signal to Trimabak naka to ITO Signal (Trimabak road)

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

Sl. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
18	Improvement for Khadkali signal to Trimabak naka to ITO Signal (Trimabak road)	130	200	320

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Vaishali A. Kachare

Authorised Signatory
Minal V. Bagul

Report No. :-CT/NSK/R/12561/25

Date :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Forest Nursery Bridge to KBT Circle to PTA Kulkarni chauk to Detective Training Centre Canal road

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
19	Forest Nursery Bridge to KBT Circle to PTA Kulkarni chauk to Detective Training Centre Canal road	130	210	320

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Minal V. Bagul

Report No. :- CT/NSK/R/12562/25 **Date** :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Pramod mahajan garden to gangapur road to Horaizan school to Datta chauk to nirmala convent school chauk to Chaitanya

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
20	Pramod mahajan garden to gangapur road to Horaizan school to Datta chauk to nirmala convent school chauk to Chaitanya	150	200	300

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Authorised Signatory
Minal V. Bagul

Report No. :-CT/NSK/R/12563/25 **Date** :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Gadkari chauk to Chandak chauk to Anant kanhere maidan

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
21	Gadkari chauk to Chandak chauk to Anant kanhere maidan	150	210	320

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Report No. :- CT/NSK/R/12564/25 **Date** :- 22/08/2025

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of Consultant :- CivilTech India Pvt. Ltd.

Name of the work :- Mumbai Naka to Gadkari signal to Trimbak Naka

Material identification :- Crust Thickness Measure on Site

Job No. :- 072613

Date of Performance :- 12/08/2025

SR. No.	Name of the work	THICKNESS AS PER SITE (MM)		
		Bitumen Layer	Granular Layer	Subgrade Layer
22	Mumbai Naka to Gadkari signal to Trimbak Naka	100	200	310

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Reviewed By
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Minal V. Bagul

CIVILTECH INDIA PVT LTD

Report No. :- **CT/NSK/R/12557/25** **Date :- 22/08/2025**

ULR No :- **TC536425000012557F**

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- KTHM Bridge to Old Gangapur Naka to Sharnpur police chawki Mayko Circle to Chandak Circle to Mahamarg Bus stand road Improvement

Material identification :- OGL Soil Sample (Black Cotton Soil)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Black Cotton Soil)	6.1	40.7	53.2	48.0	21.9	26.1	1.700	17.8	4.6	50.0

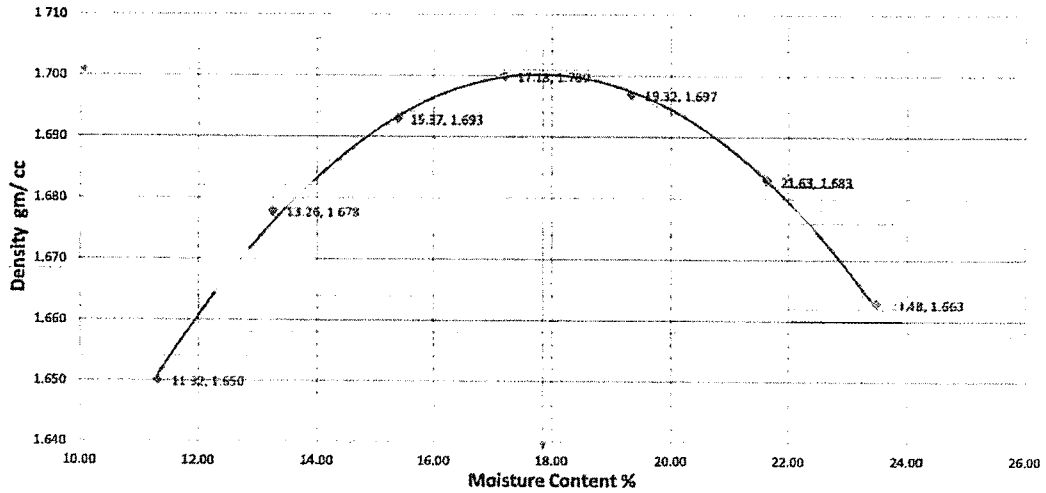
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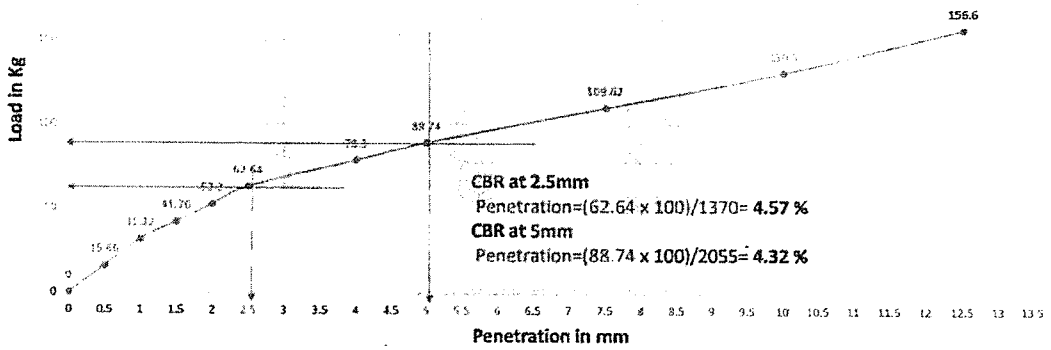
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Standard Proctor Test



California Bearing Ratio

Scale:
X-Axis 1cm= 50kg Load
Y-Axis 1cm=0.5mm Penetration



CBR at 2.5mm
Penetration=(62.64 x 100)/1370= **4.57 %**
CBR at 5mm
Penetration=(88.74 x 100)/2055= **4.32 %**

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Report No. : - CT/NSK/R/12557/25
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Report No. :- CT/NSK/R/12558/25 **Date :- 22/08/2025**

ULR No :- TC536425000012558F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Govind Nagar Bridge (Nandini River) to ABB Circle Jehan Circle to Chandashi Bridge upto Central ring Road

Material identification :- OGL Soil Sample (Silty Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613A

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Silty Sand)	8.5	47.8	43.8	41.2	21.4	19.8	1.83	13.8	9.5	35.0

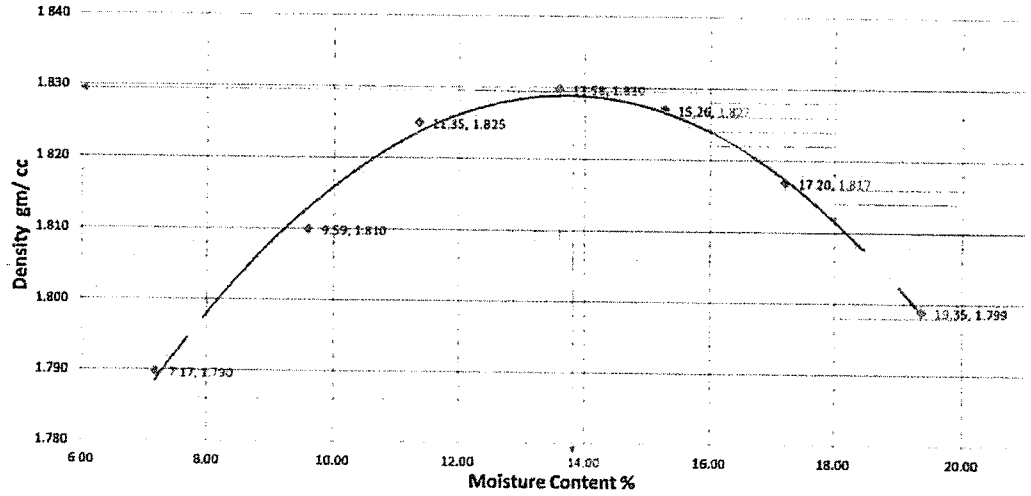
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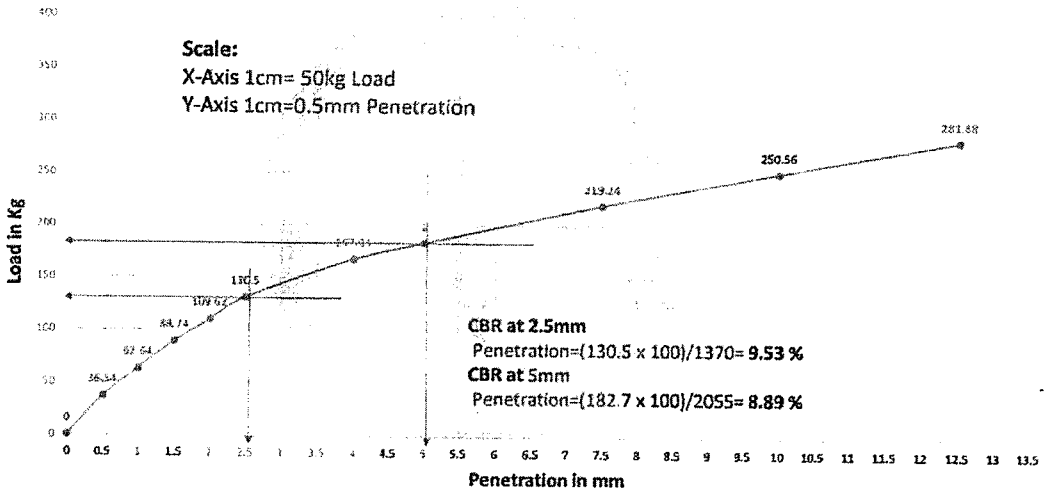
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Standard Proctor Test



California Bearing Ratio



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CIVILTECH INDIA PVT. LTD

Report No. :- CT/NSK/R/12559/25 **Date :- 22/08/2025**

ULR No :- TC536425000012559F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Ashok Stambh to Jehan Circle (Gangapur Road) Road Improvement

Material identification :- OGL Soil Sample (Silty Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613B

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Silty Sand)	7.3	41.1	51.6	43.6	19.1	24.5	1.82	14.8	8.4	40.0

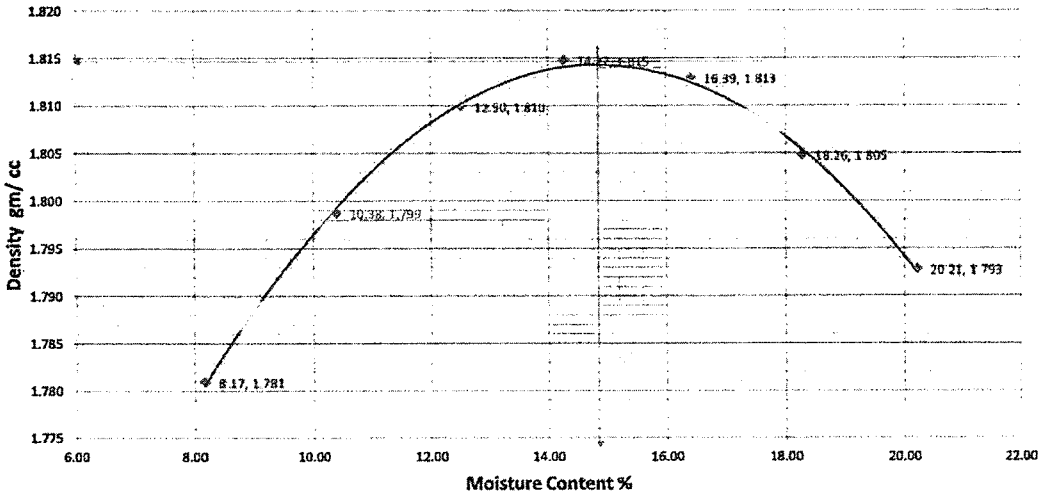
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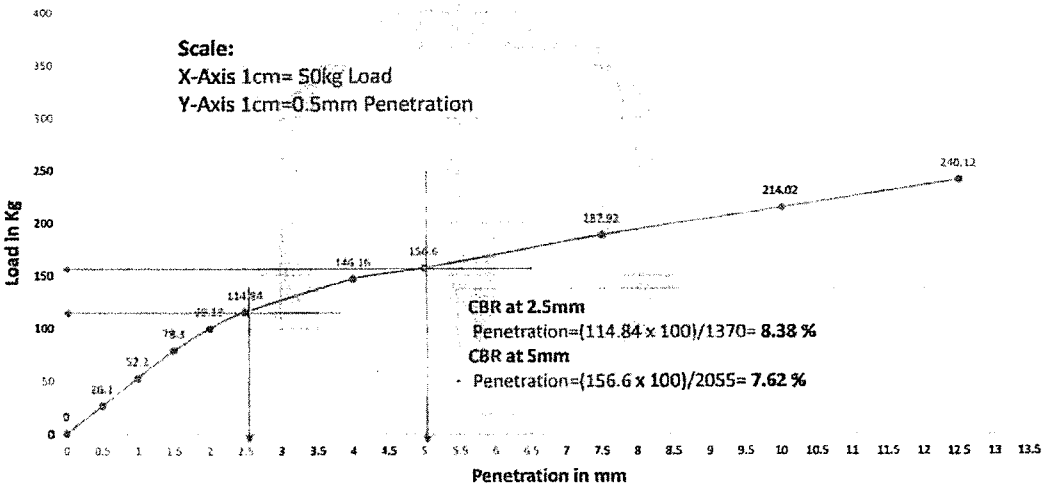
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Standard Proctor Test



California Bearing Ratio



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Report No. :- CT/NSK/R/12560/25 **Date :- 22/08/2025**

ULR No :- TC536425000012560F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Khadkali Signal to Trambak naka to upto ITI Signal road Improvement

Material identification :- OGL Soil Sample (Poorly Graded Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613C

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

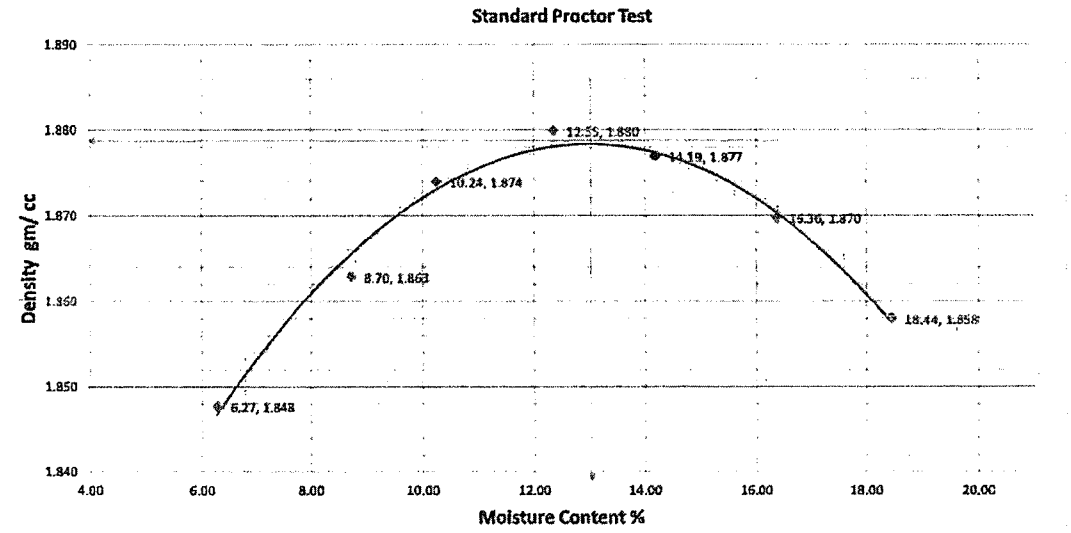
Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Poorly Graded Sand)	10.6	48.8	40.6	38.8	20.9	17.9	1.88	13.0	12.2	30.0

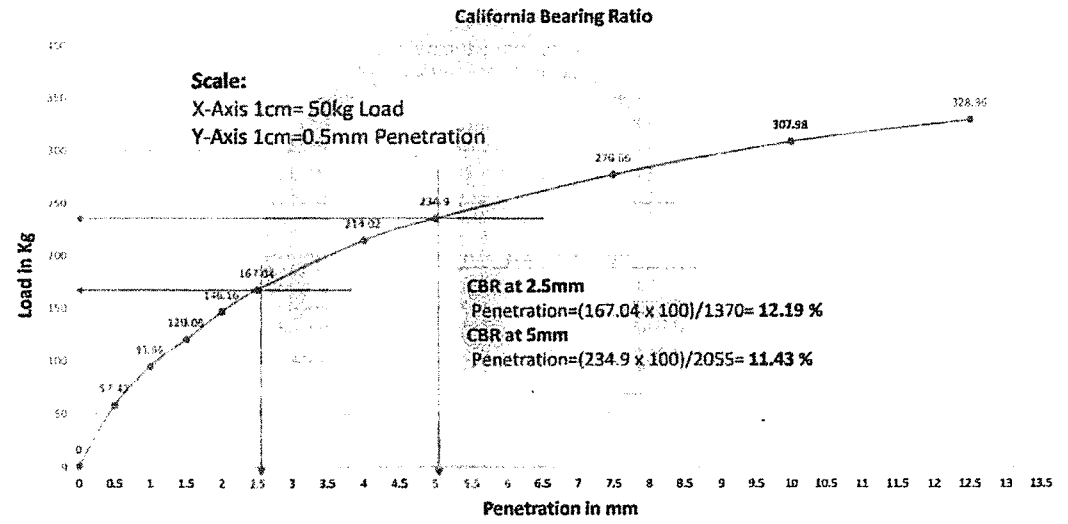
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Report No. :- CT/NSK/R/12561/25 **Date :- 22/08/2025**

ULR No :- TC536425000012561F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Forest Nursury bridge to KBT Circle to PTA Kulkarni Chawuk to Detective Training Center Canal Road

Material identification :- OGL Soil Sample (Clayey Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613D

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

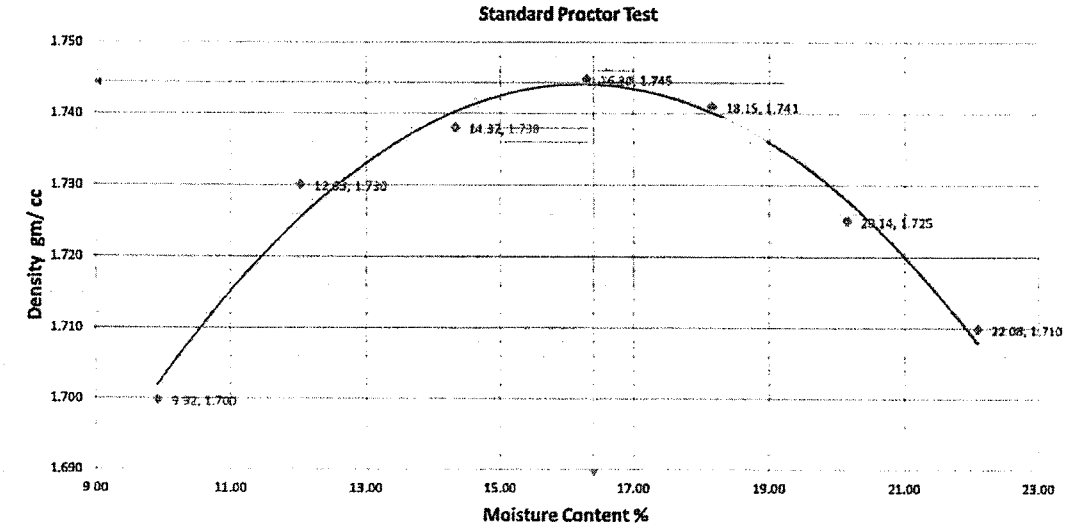
Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Clayey Sand)	5.2	33.3	61.5	46.4	20.0	26.5	1.74	15.4	5.3	45.0

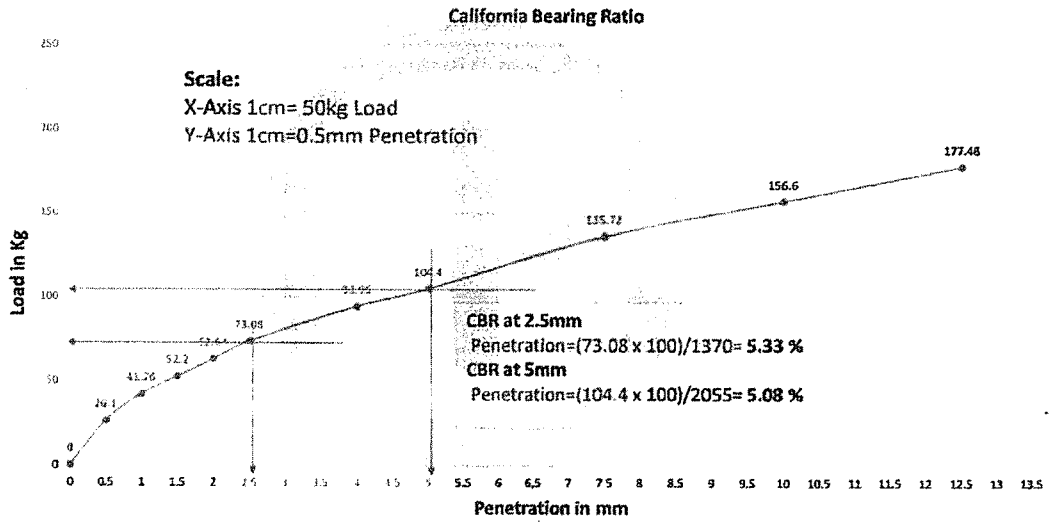
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Jaiswal

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Report No. :- CT/NSK/R/12562/25 **Date :- 22/08/2025**

ULR No :- TC536425000012562F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Pramod Mahajan Garden to Gangaur Road to Horayzan School to Datta Chauwk to Nirmala Convent School Chauwk to Chaitanya Nagar to Asaram Bapu Ashtram (Bank of Godavari River)

Material identification :- OGL Soil Sample (Poorly Graded Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613E

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

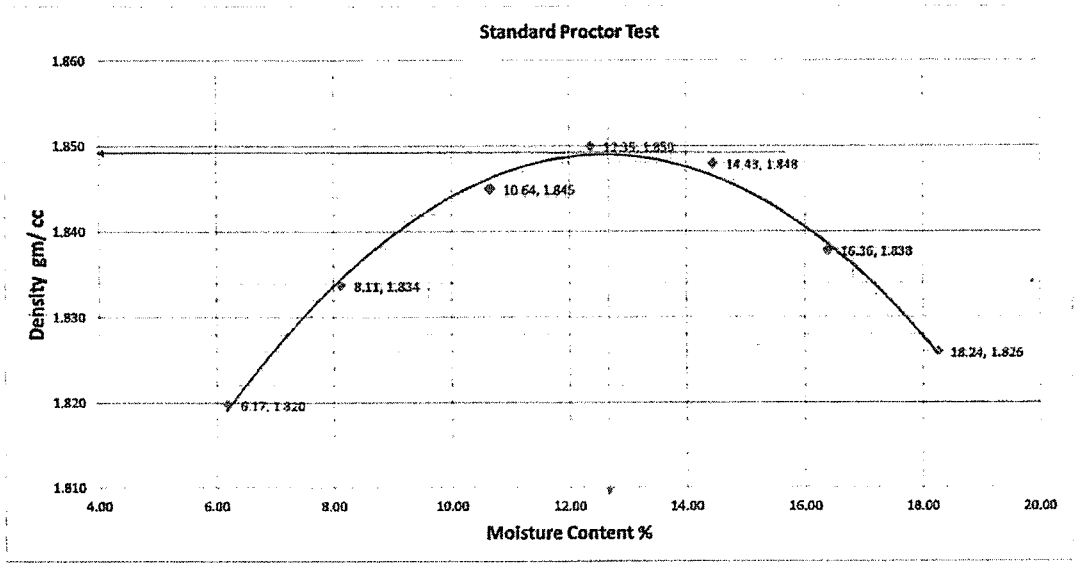
Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Poorly Graded Sand)	10.1	51.0	39.0	38.0	22.9	15.1	1.85	12.6	10.7	35.0

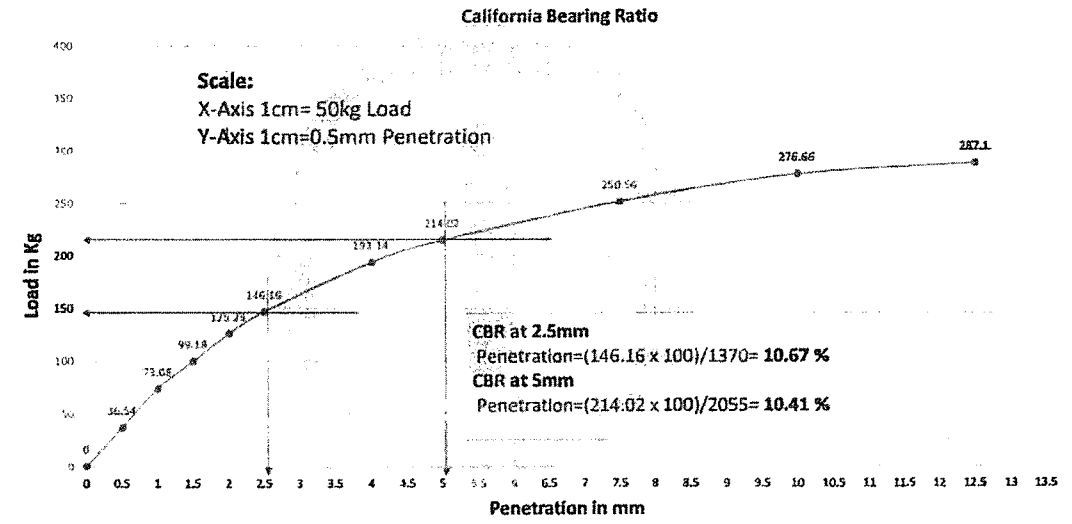
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Report No. :- CT/NSK/R/12563/25 **Date :- 22/08/2025**

ULR No :- TC536425000012563F

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Gadkari Chawk to Chandak Chauwk to Anand Kanhnere Ground road Improvement

Material identification :- OGL Soil Sample (Clayey Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613F

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Clayey Sand)	6.5	37.9	55.6	44.0	20.9	23.1	1.77	13.4	6.1	45.0

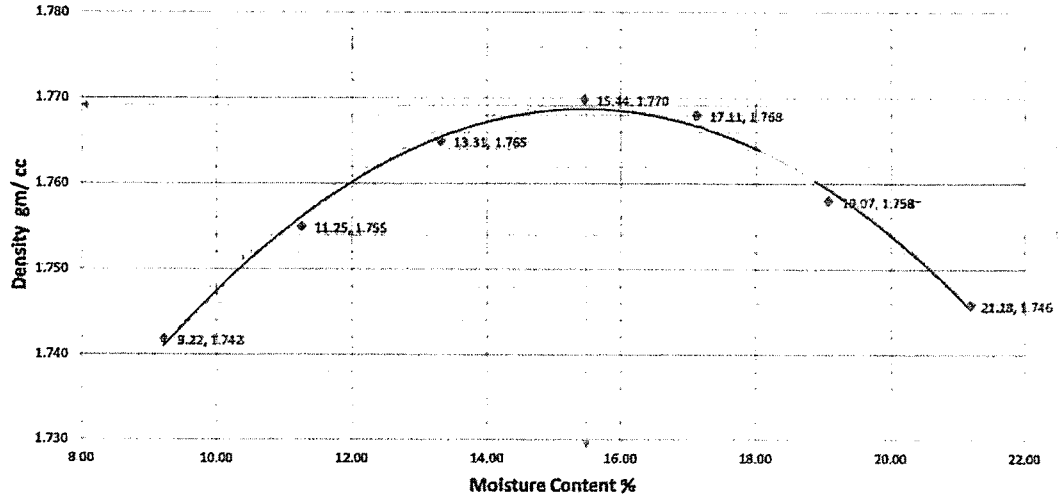
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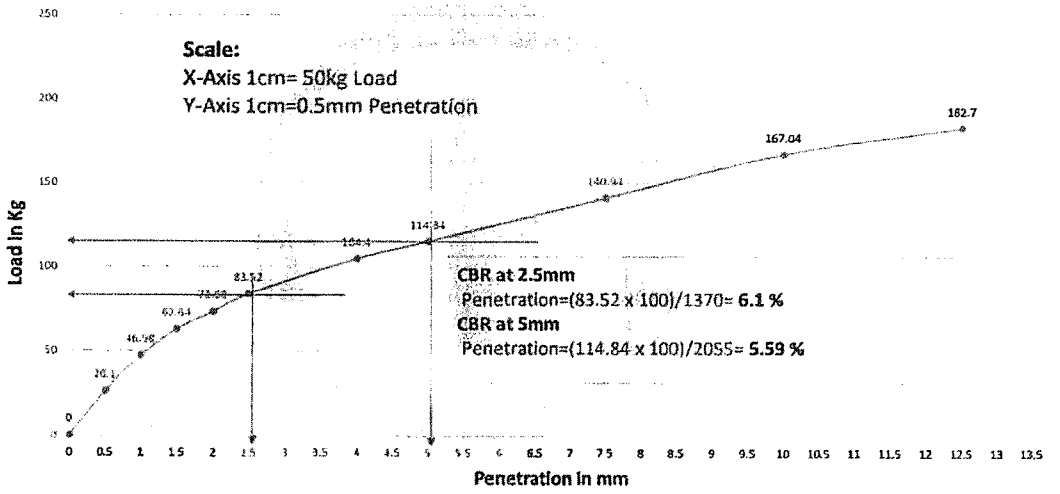
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Standard Proctor Test



California Bearing Ratio



Note :-

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2) Report shall not be reproduce except in full without prior written Permission of Civil Tech Lab.
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Jaiswal

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Report No. :- **CT/NSK/R/12564/25** **Date :- 22/08/2025**

ULR No :- **TC536425000012564F**

Test Report

Customer Name :- Executive Engineer West Nashik Division NMC Nashik.

Address :- Nashik

Name of work :- Mumbai Naka to Gadkari Signal to up to Trambak naka Road Improvement

Material identification :- OGL Soil Sample (Poorly Graded Sand)

Test Location :- Plot no. 1372, Behind Shivaji Garden, Kanherewadi, Nashik- 422001

Job No. :- 072613G

Date of receipt of material :- 12/08/2025 **Date of performance of test** :-12/08/2025 to 22/08/2025

Temp. at time of test :- NA **Humidity at time of test** :- NA

Method of Test

1. Grain Size Analysis Test as per IS 2720-1985 (Part 4) RA 2020
2. Liquid Limit & Plastic Limit Test as per IS 2720-1985 (Part 5) RA 2020
3. Standard Proctor Test as per IS 2720-1983 (Part 8) RA 2020
4. Free Swell Index (FSI) Test as per IS 2720-1977 (Part 40) RA 2021
5. California Bearing Ratio (C.B.R.) Test as per IS 2720-1987 (Part 16) RA 2021

Sr. No.	Sample Identification	Grain size Analysis			Atterberg Limits			Max. Dry Density (MDD)	Optimum moisture Content (OMC)	CBR	FSI
		Gravel (> 4.75 mm)	Sand (4.75 to 0.075 mm)	Silt and clay (<0.075mm)	Liquid Limit (wL)	Plastic Limit (wp)	Plasticity Index (Ip)				
		%	%	%	%	%	%	(gm/cm^3)	%	%	%
1	OGL Soil Sample (Poorly Graded Sand)	8.5	48.4	43.1	37.2	21.5	15.7	1.81	11.6	8.4	30.0

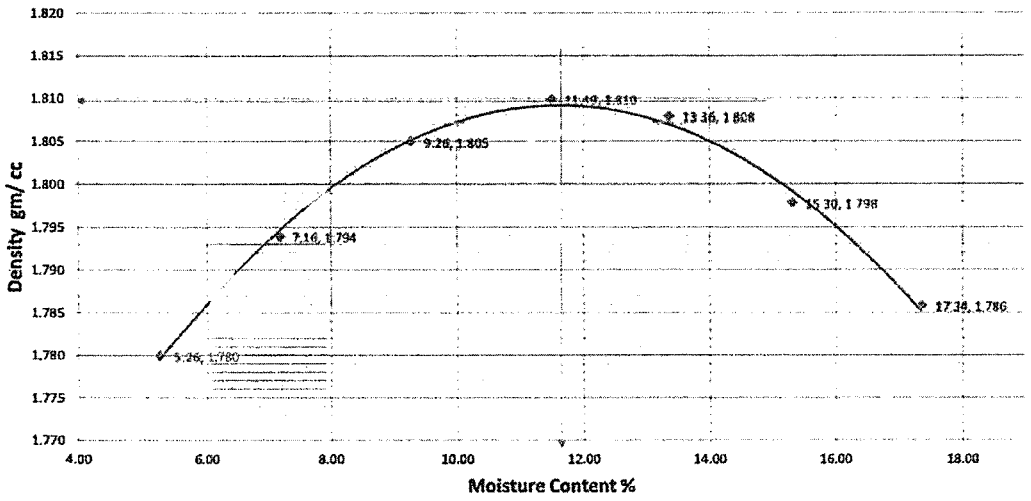
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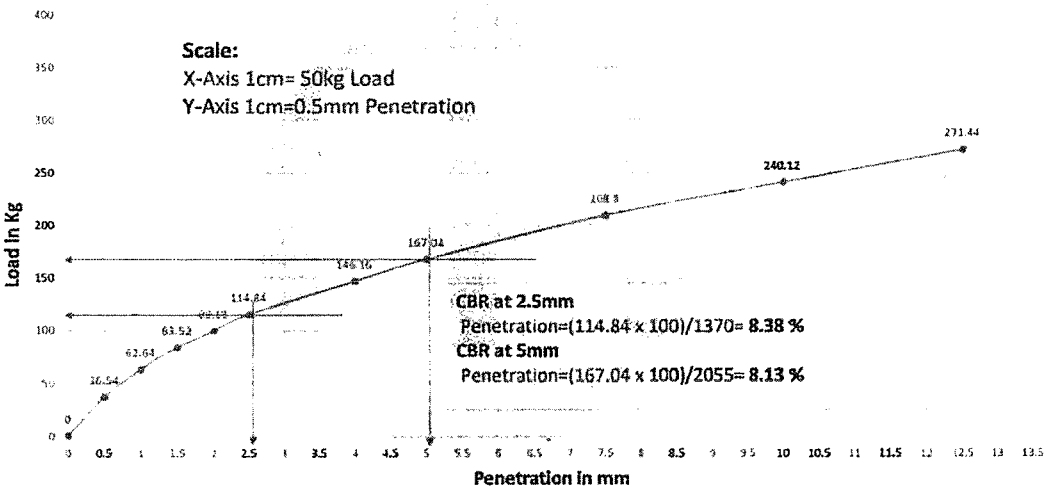
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CIVILTECH INDIA PVT. LTD

Standard Proctor Test



California Bearing Ratio



Note :-

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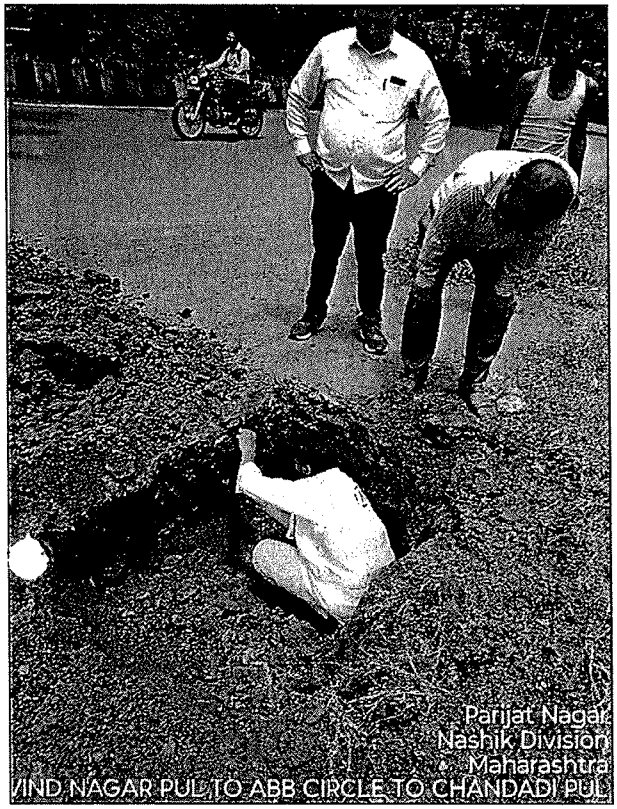
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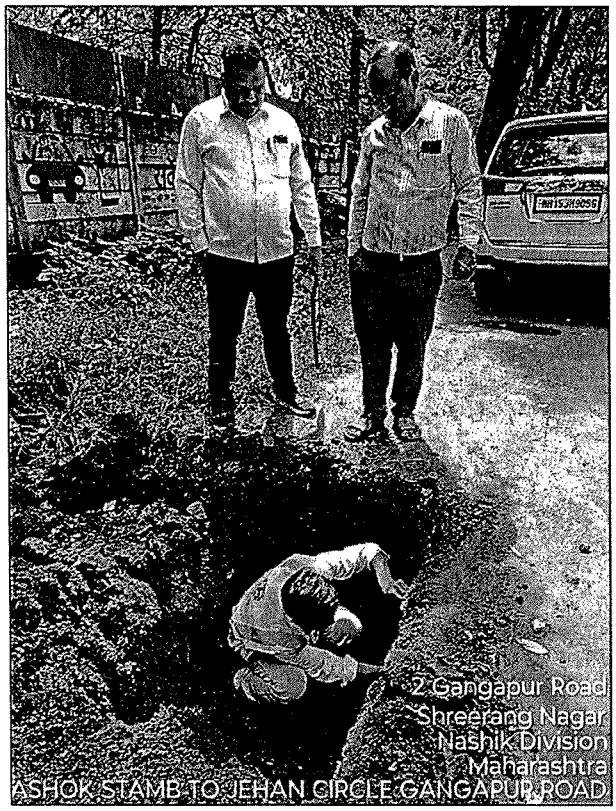
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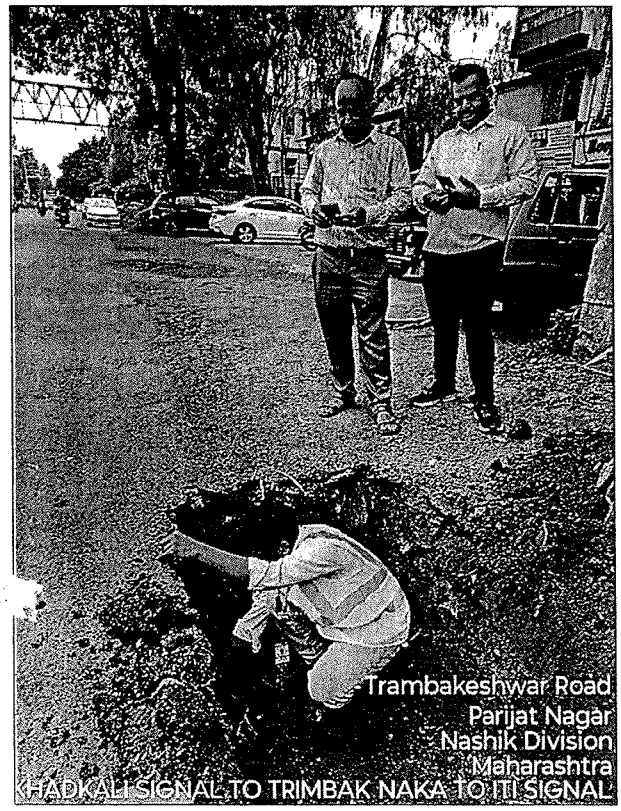
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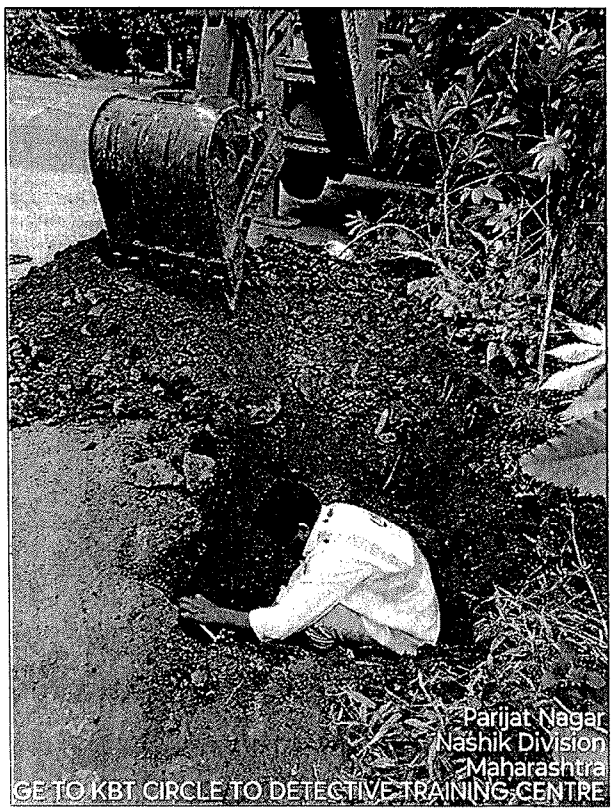
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On Site Photos









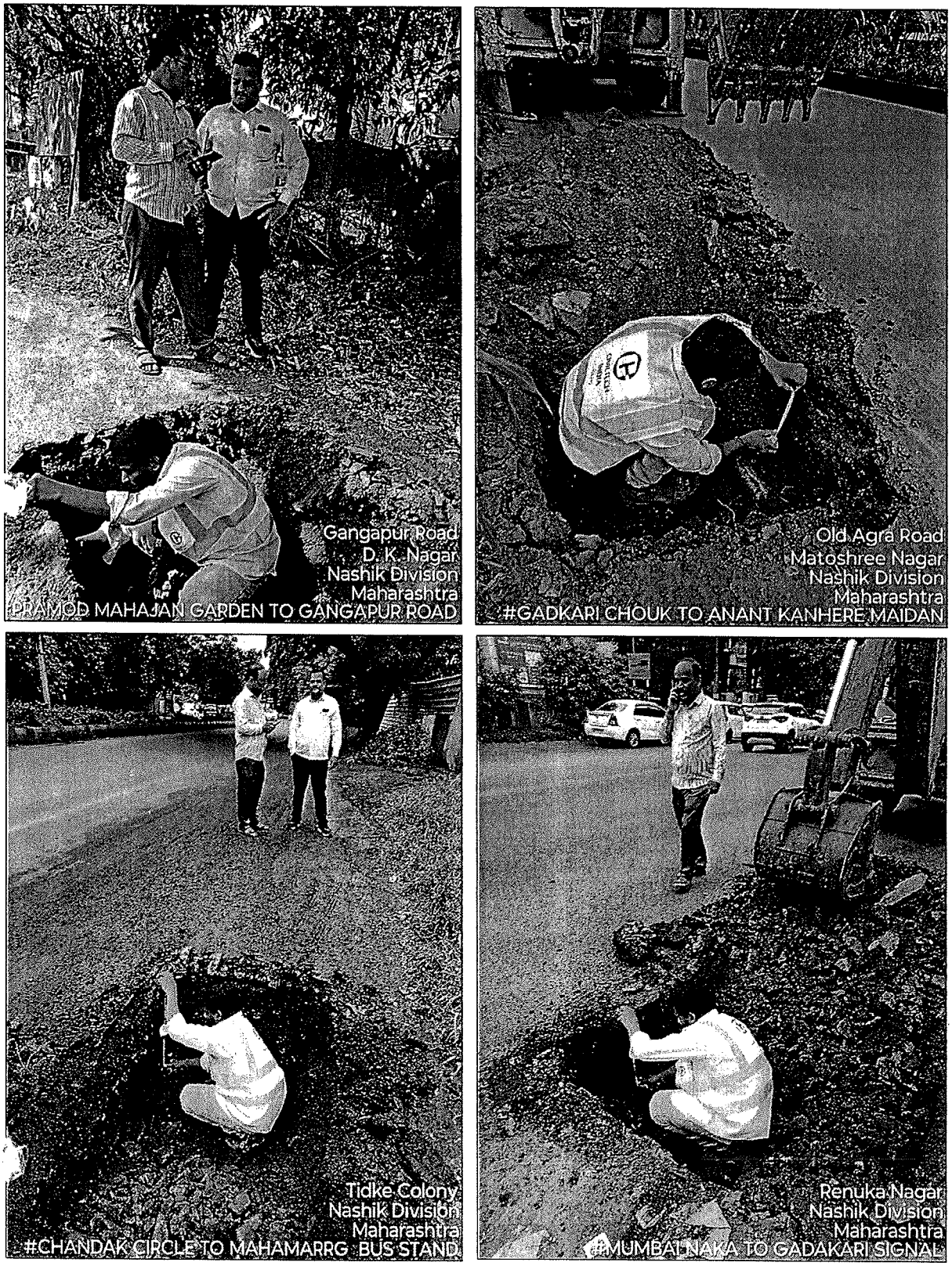
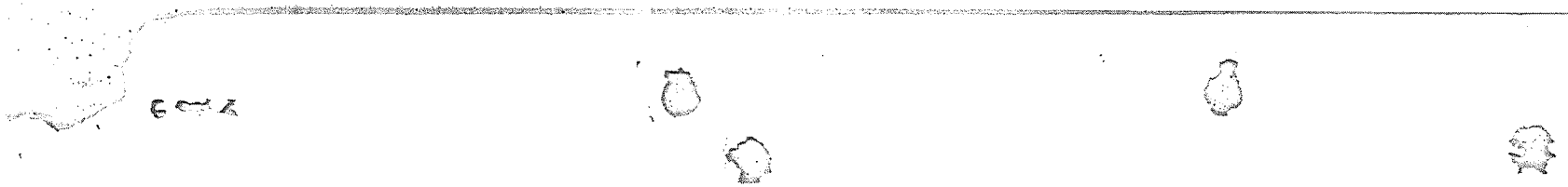


Figure: 4.1 Soil Collection On Site Photo



Name of Work:- Deve[illegible]ent of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur P[illegible] Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
			PART A- Road Work				
A1	4.40	Kilometre	Detailed survey of road in plain country including chaining and levelling with cross sections at every two chains inclusive of closing of survey each day.	₹ 6,830.30	Km	Rupees Six Thousand and Eight Hundred and Thirty and Thirty Paise Only	30023.27
A2	3074.40	Cubic metre	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately. By Mechanical Means etc. complete.	₹ 451.50	Cum	Rupees Four Hundred and Fifty-One and Fifty Paise Only	1388091.60
A3	30.00	Cubic metre	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately etc. complete.	₹ 1,454.30	Cum	Rupees One Thousand and Four Hundred and Fifty-Four and Thirty Paise Only	43629.00
A4	10.00	Numbers	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable material separately	₹ 389.60	No	Rupees Three Hundred and Eighty-Nine and Sixty Paise Only	3896.00
A5	9.32	Cubic metre	Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc.	₹ 351.80	Cum	Rupees Three Hundred and Fifty-One and Eighty Paise Only	3277.02
A6	15.39	Cubic metre	Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc.	₹ 399.00	Cum	Rupees Three Hundred and Ninety-Nine Only	6140.61
A7	10.50	Cubic metre	Removing lime or lean cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	₹ 585.90	Cum	Rupees Five Hundred and Eighty-Five and Ninety Paise Only	6151.95
A8	24.50	Cubic metre	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	₹ 976.50	Cum	Rupees Nine Hundred and Seventy-Six and Fifty Paise Only	23924.25
A9	44.00	Square metre	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete	₹ 47.30	Sqm	Rupees Forty-Seven and Thirty Paise Only	2081.20
A10	15.00	Running Metre	Removing wire fencing with iron/ C.C. fencing post and stacking the materials as directed with all leads, lifts etc. complete.	₹ 70.30	Rmt	Rupees Seventy and Thirty Paise Only	1054.50
A11	50.00	Square metre	Milling of existing bituminous surface to specified depth of bituminous layer including disposal of removed material with all lift and lead upto 1000 m etc complete. Using machine like Writgen (W100) or equivalent	₹ 46.20	Sqm	Rupees Forty-Six and Twenty Paise Only	2310.00
A12	4395.60	Running Metre	Carrying out detailed/final location survey for drainage schemes with chain and compass, levels, theodolite and other essential instruments including staking of final center line, locating curves, establishing B.M. and taking L section, cross section, fly leveling etc. complete in plain area. Spec. No. : As directed by Engineer in charge	₹ 2.00	Rmt	Rupees Two Only	8791.20
A13			Excavation for foundation pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-1,4,)				
	1826.97	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 181.50	Cum	Rupees One Hundred and Eighty-One and Fifty Paise Only	331595.06

Sr No.	Qty	UNIT	Description	Rate in Fig.	Pe	Rate in Words	Amount
	991.80	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 198.00	Cum	Rupees One Hundred and Ninety-Eight Only	196376.40
A14			Excavation for foundation pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-3,4,)				
	997.59	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 232.10	Cum	Rupees Two Hundred and Thirty-Two and Ten Paise Only	231540.36
	678.30	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 248.60	Cum	Rupees Two Hundred and Forty-Eight and Sixty Paise Only	168625.38
A15			Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-5,9,)				
	1128.69	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 691.90	Cum	Rupees Six Hundred and Ninety-One and Ninety Paise Only	780939.78
	290.70	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 722.70	Cum	Rupees Seven Hundred and Twenty-Two and Seventy Paise Only	210088.89
A16			Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. (MJP,DSR 2023-24, Section-E-7,9)				
	856.93	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 1,230.90	Cum	Rupees One Thousand and Two Hundred and Thirty and Ninety Paise Only	1054794.64
	242.25	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 1,261.70	Cum	Rupees One Thousand and Two Hundred and Sixty-One and Seventy Paise Only	305646.83
	131.10	Cubic metre	Lift up to 3.0 to 4.5 m depth	₹ 1,292.50	Cum	Rupees One Thousand and Two Hundred and Ninety-Two and Fifty Paise Only	169446.75
A17			Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation 15cm to 20cm layers including watering and compaction complete.(MJP,DSR 2023-24, Section-E-16)	₹ 96.60	Cum	Rupees Ninety-Six and Sixty Paise Only	85371.58
	883.76	Cubic metre					
A18			Providing, Lowering & Laying ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar/ spigot & socket joints or rubber ring joints, including all cost of rubber ring joints, excluding CST levied by GOI & GOM in all respect including inspection charges, transport to departmental stores, unloading and stacking etc. complete as per IS-458/1988, lowering & Laying and giving satisfactory Hydraulic testing of the laid pipe line and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar.) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by Engineerin- charge (For all class of pipes.) as per IS- 783- 1985. as specified and directed by Engineer in charge etc. complete. (MJP, DSR 2023-24, Sec.-I(VI)RCC Pipes,1d,e,f,2)Page No. 94,95,96				

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
			R.C.C.NP-III Class (MJP. SSR 2023-24,Sec-I-(VI)-1-e,)				
	100.00	Running Metre	i) for 150 mm dia	₹ 509.80	Rmt	Rupees Five Hundred and Nine and Eighty Paise Only	50980.00
	50.00	Running Metre	ii)for 200 mm dia	₹ 581.10	Rmt	Rupees Five Hundred and Eighty-One and Ten Paise Only	29055.00
	50.00	Running Metre	iii) for 250 mm dia	₹ 788.60	Rmt	Rupees Seven Hundred and Eighty-Eight and Sixty Paise Only	39430.00
	1291.30	Running Metre	iv)for 300 mm dia	₹ 1,078.00	Rmt	Rupees One Thousand and Seventy-Eight Only	1392017.09
	1944.80	Running Metre	vii) for 450 mm dia	₹ 2,005.60	Rmt	Rupees Two Thousand and Five and Sixty Paise Only	9917290.88
	100.00	Running Metre	ix) for 600 mm dia	₹ 2,886.20	Rmt	Rupees Two Thousand and Eight Hundred and Eighty-Six and Twenty Paise Only	288620.00
			R.C.C.NP-IV Class (MJP. SSR 2023-24,Sec-I-(VI)-1-e,)				
	50.00	Running Metre	xii) for 900 mm dia	₹ 5,323.00	Rmt	Rupees Five Thousand and Three Hundred and Twenty-Three Only	266150.00
	50.00	Running Metre	xiii) for 1000 mm dia	₹ 5,875.30	Rmt	Rupees Five Thousand and Eight Hundred and Seventy-Five and Thirty Paise Only	293765.00
	120.00	Running Metre	xiv)for 1200 mm dia	₹ 11,138.30	Rmt	Rupees Eleven Thousand and One Hundred and Thirty-Eight and Thirty Paise Only	1336596.00
A19	176.00	Numbers	Providing and constructing on sewer,Fly Ash Brick masonry circular manhole concentric cone 0.9 M dia. at bottom and 0.5 M dia. at top and upto a depth of 1.00 M, with 15cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 1.0 M with 0.23m. thk. BM in CM 1:6 proportion with 12 mm thick inside & 20 mm thick on outer- side plaster with fine cement smooth finish in CM 1:4, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered), 15cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(For both side plaster Use natural sand & For other work VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 17,055.30	No	Rupees Seventeen Thousand and Fifty-Five and Thirty Paise Only	3001732.80
A20	148.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.2 M dia. at bottom and 0.5 M dia. at top and upto a depth of 2.00 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.00 M with 0.23 M thick in CM 1:4 proportion excluding excavation with 12 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),.15cm thk C.C.1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in- charge.(MJP. SSR 2023-24, SEC-I(XX)-6.) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 30,138.60	No	Rupees Thirty Thousand and One Hundred and Thirty-Eight and Sixty Paise Only	4460512.80

Sr No.	Qty	UNIT	Description	Rate in Fig.	Pr	Rate in Words	Amount
A21	30.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.5 M dia. at bottom and 0.5 M dia. at top and upto a depth of 5.0 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.0M with 0.23m thk & 3.0 M depth of Vertical Cylinder with 0.35 M thick Fly Ash Brick masonry in CM 1:4 proportion with 20 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:2, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),.15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.(MJP, SSR 2023-24, SEC-I(XX)-7,)(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 82,847.30	No	Rupees Eighty-Two Thousand and Eight Hundred and Forty-Seven and Thirty Paise Only	2485419.00
A22	5.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole with concentric cone 1.80 M dia. at bottom and 0.5 M dia. at top and upto a depth of 9.0 M with 25 cm thick CC 1:2:4 bed concrete,& Fly Ash Brick masonry with 23 cm brick work in conical shape upto depth of 2.50 M from top and balance in cylindrical shape 35 cm thick brick work for depth of 2.35 M depth upto 5.0 M, with M:20 Concrete for RCC Beam size of 350x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 350mm thk. brick work, and 45 cm thick brick work 3.85m.for remaining depth upto 9.00 M with M:20 Concrete for RCC Beam size of 450x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 450mm thk. brick work, in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3 proportion excluding excavation, including foundation concrete 250 mm thick and haunches and channels in c.c.1:2:4 proportion, finishing channels in smooth rendering, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical. (Staggered),. 15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 2,73,164.60	No	Rupees Two Lakhs and Seventy-Three Thousand and One Hundred and Sixty-Four and Sixty Paise Only	1365823.00
A23	16.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 450 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 450 mm etc. complete as directed by Engineer-in-charge. (MJP, SSR 2023-24,Sec-I(XX)-3-A,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 10,326.40	No	Rupees Ten Thousand and Three Hundred and Twenty-Six and Forty Paise Only	165222.40
A24	298.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 900 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 900 mm etc. complete as directed by Engineer-in-charge.As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 16,803.50	No	Rupees Sixteen Thousand and Eight Hundred and Three and Fifty Paise Only	5007443.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A25	44.00	Running Metre	Constructing additional depth/ Rebate for Manhole of 900mm Dia. & above/below 1000 mm. depth to cover variations with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered) As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 12,238.90	Rmt	Rupees Twelve Thousand and Two Hundred and Thirty-Eight and Ninety Paise Only	538511.60
A26	37.00	Running Metre	Constructing additional depth or Manhole of 1200mm Dia. & above / Rebate 2000 mm. depth with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 2023-24, Sec-I(XX)-6-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 7,549.90	Rmt	Rupees Seven Thousand and Five Hundred and Forty-Nine and Ninety Paise Only	279346.30
A27	7.50	Running Metre	Constructing additional / Rebate depth for Manhole of 1500mm Dia. & below 5000 mm. depth with 350mm.thick Fly Ash Brick masonry work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 202-24, Sec- I(XX)-7-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 16,411.90	Rmt	Rupees Sixteen Thousand and Four Hundred and Eleven and Ninety Paise Only	123089.25
A28	1.25	Running Metre	Constructing additional / Rebate depth for Manhole of 1800mm Dia. & below 9000 mm. depth with 450mm.thick Fly Ash Brick masonry work up to 2.50m in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered),As per Rate Analysis. (For both side plaster Use natural sand & For other work VSI sand finely washed etc.)	₹ 35,216.60	Rmt	Rupees Thirty-Five Thousand and Two Hundred and Sixteen and Sixty Paise Only	44020.75
A29	4.00	Running Metre	Constructing additional depth or Manhole of 450x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work.in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3. (MJP, SSR 2023-24, Sec-I(XX)-3-A-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 5,208.70	Rmt	Rupees Five Thousand and Two Hundred and Eight and Seventy Paise Only	20834.80
A30	74.50	Running Metre	Constructing additional depth or Manhole of 900x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 13,415.60	Rmt	Rupees Thirteen Thousand and Four Hundred and Fifteen and Sixty Paise Only	999462.20
A31	5358.25	Cubic metre	Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP, SSR 2023-24, Sec-E-15)	₹ 96.60	Cum	Rupees Ninety-Six and Sixty Paise Only	517606.51
A32			Providing and fixing in position steel fiber reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tones capacity) (MJP, SSR 2023-24, Sec-I(XX)-17.)				
	5.00	Numbers	i) 540 Dia.	₹ 3,665.60	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Sixty Paise Only	18328.00
	88.00	Numbers	ii) 560 Dia.	₹ 4,797.50	No	Rupees Four Thousand and Seven Hundred and Ninety-Seven and Fifty Paise Only	422180.00
	10.00	Numbers	iii) 90x45 cm	₹ 3,665.60	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Sixty Paise Only	36656.00
	19.00	Numbers	iv) 90x60 cm	₹ 3,973.20	No	Rupees Three Thousand and Nine Hundred and Seventy-Three and Twenty Paise Only	75490.80

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	10.00	Numbers	v) 60 x 60 cm	₹ 3,628.80	No	Rupees Three Thousand and Six Hundred and Twenty-Eight and Eighty Paise Only	36288.00
	3.00	Numbers	vi) 60 x 45 cm	₹ 3,144.80	No	Rupees Three Thousand and One Hundred and Forty-Four and Eighty Paise Only	9434.40
A33	13.50	Cubic metre	Cleaning or Desilting B.B.M. of various dia chamber on sewer including removing matarial upto a distance of 50.0M for a'l lifts as directed by Engineer-in-charge.etc. complete	₹ 234.20	Cum	Rupees Two Hundred and Thirty-Four and Twenty Paise Only	3161.70
A34	499.30	Running Metre	Cleaning the R.C.C. choked up pipes of diameter from 200 mm to 450 mm including removing matarial upto adistance of 50.0M for all lifts as directed by Engineer-in-charge.	₹ 54.50	Rmt	Rupees Fifty-Four and Fifty Paise Only	27211.58
A35			Cleaning the R.C.C. choked up pipes by using bucket machine and rodding machine including removing matarial upto adistance of 50.0M for all lifts in different places during cleaning operation all labour and safety precaution should be taken by maintainance contractor himself (i.e. suitable gas masks, gas detection driving prompt etc.) during cleaning operation in any damages done by the contractor shall be repaired by the contractor with his own cost. To clean the existing drain line bucket and rodding machine will not be given by department & if machinary provided by department charges will recovered from bill. Diversion of sewerage water any necessary excavation if necessary should be done by the contractor at his cost during the work necessary action for cleaning line traffic permission and proper precautions should be taken by contractorafter completion of a cleaning operation by contractor has to test the line in precence of engineer- in- charge. (As per Rate Analysis)				
	300.00	Running Metre	For 200mm to 600mm dia RCC drain line	₹ 158.70	Rmt	Rupees One Hundred and Fifty-Eight and Seventy Paise Only	47610.00
	300.00	Running Metre	For above 600mm to 1000mm dia RCC drain line	₹ 238.10	Rmt	Rupees Two Hundred and Thirty-Eight and Ten Paise Only	71430.00
	250.00	Running Metre	For above 1000mm dia RCC drain line	₹ 317.40	Rmt	Rupees Three Hundred and Seventeen and Forty Paise Only	79350.00
A36	43111.40	Cubic metre	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.	₹ 125.00	Cum	Rupees One Hundred and Twenty-Five Only	5388925.13
A37	10726.82	Cubic metre	Excavation for roadway in hard murum and boulder including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed	₹ 145.90	Cum	Rupees One Hundred and Forty-Five and Ninety Paise Only	1565042.75
A38	862.23	Cubic metre	Excavation for roadway in soft rock, including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. And spreading or stacking as directed.	₹ 185.80	Cum	Rupees One Hundred and Eighty-Five and Eighty Paise Only	160201.97
A39	431.11	Cubic metre	Excavation for roadway in hard rock by wedging and chiselling or line drilling including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	₹ 1,490.00	Cum	Rupees One Thousand and Four Hundred and Ninety Only	642359.87

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A40	10.00	Cubic metre	Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils.	₹ 125.00	Cum	Rupees One Hundred and Twenty-Five Only	1250.00
A41	55131.56	Cubic metre	Conveying materials obtained from road cutting upto lead of 5 .00 km including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section from the site of excava-tion to the site of deposition as directed .	₹ 264.80	Cum	Rupees Two Hundred and Sixty-Four and Eighty Paise Only	14598837.36
A42	50.00	Cubic metre	Providing Earth work in embankment with approved material ob-tained from Govt. land with 50 m lead, by using laying in lay-ers, breaking clods, dressing to required lines curves grade, and section watering and compaction complete. (a) 95% proctor densi-ty. Spec.No. : M.O.S.T. 1995 Cl.No.305	₹ 236.30	Cum	Rupees Two Hundred and Thirty-Six and Thirty Paise Only	11815.00
A43	300.00	Cubic metre	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)	₹ 1,263.20	Cum	Rupees One Thousand and Two Hundred and Sixty-Three and Twenty Paise Only	378960.00
A44	16090.23	Cubic metre	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. Sp. No. Rd. 23 P.No. 202	₹ 925.10	Cum	Rupees Nine Hundred and Twenty-Five and Ten Paise Only	14885069.00
A45	16090.23	Cubic metre	Spreading hard murum for side width etc. complete	₹ 83.00	Cum	Rupees Eighty-Three Only	1335488.84
A46	53634.09	Square metre	Compacting the hard murum side widths including laying in layers on each side with power roller including artificial watering etc. complete.	₹ 22.10	Sqm	Rupees Twenty-Two and Ten Paise Only	1185313.39
A47	10096.34	Cubic metre	Construction of granular subbase by providing close graded Material,mixing in a mechanical mixplant at OMC,carriage of mixed Material to work site, spreading in uniform layers with motor grader/Paver on prepared surface and compacting with vibratory roller to achieve the desired density,complete as per clause 401 -- Plant Mix Method and Grading - I Material	₹ 2,740.50	Cum	Rupees Two Thousand and Seven Hundred and Forty and Fifty Paise Only	27669014.29
A48	2211.12	Cubic metre	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and broo-ing requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading I (Using Screening Type A (13.2) mm Aggregate)	₹ 3,059.60	Cum	Rupees Three Thousand and Fifty-Nine and Sixty Paise Only	6765142.75
A49	1105.56	Cubic metre	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and broo-ing requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading II (Using Screening Type B (11.2 mm) Aggregate)	₹ 3,005.60	Cum	Rupees Three Thousand and Five and Sixty Paise Only	3322871.14
A50	3929.12	Cubic metre	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.	₹ 2,765.50	Cum	Rupees Two Thousand and Seven Hundred and Sixty-Five and Fifty Paise Only	10865988.27

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A51	2211.12	Cubic metre	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely washed etc)	₹ 6,924.80	Cum	Rupees Six Thousand and Nine Hundred and Twenty-Four and Eighty Paise Only	15311563.78
A52	3476.52	Cubic metre	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, , cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant/ Weigh batch mixer, transported to site with all leads and lifts, laid with a paver with electronic sensor /by suitable means as approved by Engineer-in-charge , compacting with vibratory roller, finishing, curing and including preparation of sub-grade surface if required etc. complete. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 4,492.00	Cum	Rupees Four Thousand and Four Hundred and Ninety-Two Only	15616527.84
A53	10.00	Cubic metre	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneissmetal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc.complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc. complete.Withfine aggregate (Crushed sand VSI Grade)	₹ 13,505.60	Cum	Rupees Thirteen Thousand and Five Hundred and Five and Sixty Paise Only	135056.00
A54	0.50	Metric metre	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	₹ 94,188.10	MT	Rupees Ninety-Four Thousand and One Hundred and Eighty-Eight and Ten Paise Only	47094.05
A55	23176.80	Square metre	Providing and laying 125 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete.	₹ 31.50	Sqm	Rupees Thirty-One and Fifty Paise Only	730069.20
A56	6489.50	Cubic metre	Providing and laying in-situ M40 Grade un-reinforced plain cement concrete pavement over a prepared sub base with 43 grade cement , coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound /by providing cement vata in cement Mortar 1:8 @0.6m X 0.6m centre to centre, admeasuring 80 mm at bottom and 40 mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 8,974.80	Cum	Rupees Eight Thousand and Nine Hundred and Seventy-Four and Eighty Paise Only	58242000.50

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A57	15680.00	Numbers	Providing and fixing in position TMT FE 500, 32 mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 60 cms. Long and at 30.00 cm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT FE 500, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete	₹ 564.90	Nos	Rupees Five Hundred and Sixty-Four and Ninety Paise Only	8857632.00
A58	5760.00	Numbers	Providing and fixing in position TMT FE 500, tie bars precoated with anticorrosive epoxy paint of 12mm dia. 70cms.long and at 30.00 cm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length,necessary cutting, handling, straightening, supported by assembly of TMTFE500, chairs with proper alignment etc. complete	₹ 321.30	Nos	Rupees Three Hundred and Twenty-One and Thirty Paise Only	1850688.00
A59	7520.00	Running Metre	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm. in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.	₹ 79.80	Rmt	Rupees Seventy-Nine and Eighty Paise Only	600096.00
A60	7520.00	Running Metre	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (appraox. 25% larger than the initial 3 mOne Metric Tonneo 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8 mm.wide)	₹ 326.60	Rmt	Rupees Three Hundred and Twenty-Six and Sixty Paise Only	2456032.00
A61	640.92	Square metre	Providing expansion joints with 25mm thick bituminous pad as per detailed drawings etc. complete.	₹ 1,140.30	Sqm	Rupees One Thousand and One Hundred and Forty and Thirty Paise Only	730841.08
A62	200.00	Running Metre	Providing and casting insitu or precast tapering R.C.C.M-20 Mountable type Kerb without gutter (asper IRC861983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2 including the required excavation in any strataand removing the excavated stuff anywhere incity and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant	₹ 516.60	Rmt	Rupees Five Hundred and Sixteen and Sixty Paise Only	103320.00
A63			P/L and fixing precast Cement concrete M-20 grade kerb stone of following sizes grade concrete including manufacturing, supplying to the site, fixing in position, with prepared bed of,packing by surrounding pcc upto 100 mm ht with M-10 PCC 80mm thick, filling joints with cement, coloring with one coat primer & flat oil paint in two coats as per directed by engineer in charge etc complete (As per R.A.)				
	7288.00	Running Metre	Size- Length 300 mm, Height 750mm, Top Width 125 mm, Bottom width 200 mm, Chamfer Height 300 mm	₹ 1,618.50	Rmt	Rupees One Thousand and Six Hundred and Eighteen and Fifty Paise Only	11747073.00
	50.00	Running Metre	Size- Length 400 mm, Height 450mm, Width 125mm, Chamfer Height 450 mm	₹ 788.00	Rmt	Rupees Seven Hundred and Eighty-Eight Only	39400.00
A64	250.00	Square metre	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	₹ 978.60	Sqm	Rupees Nine Hundred and Seventy-Eight and Sixty Paise Only	244650.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A65	14740.80	Square metre	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	₹ 1,238.00	Sqm	Rupees One Thousand and Two Hundred and Thirty-Eight Only	18249110.40
A66	500.00	Square metre	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing WBM surface including picking the road metalled surface, thoroughly cleaning the WBM surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum,/Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	₹ 362.60	Sqm	Rupees Three Hundred and Sixty-Two and Sixty Paise Only	181300.00
A67	500.00	Square metre	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing BT surface including picking the road metalled surface, thoroughly cleaning the BT surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum,/Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	₹ 361.20	Sqm	Rupees Three Hundred and Sixty-One and Twenty Paise Only	180600.00
A68	144894.96	Square metre	Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 5 kg/10 sqm. (VG 30 bulk bitumen rates are considered to arrive at rates) Spec.Rd.47.3.3 Page No. 224	₹ 33.60	Sqm	Rupees Thirty-Three and Sixty Paise Only	4868470.66
A69	15716.49	Square metre	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 10.0 kg/sqm using mechanical means.	₹ 60.80	Sqm	Rupees Sixty and Eighty Paise Only	955562.59
A70	165.00	Cubic metre	BITUMINOUS MACADAM 3.00 % : Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.00 % using specified grade of Bitumen. -- USING batch Mix type hot mix plant with SCADA, Sensor Paver, vibratory roller. (VG30 bulk bitumen rates are considered to arrive at rates)	₹ 8,496.20	Cum	Rupees Eight Thousand and Four Hundred and Ninety-Six and Twenty Paise Only	1401873.00
A71	1928.21	Cubic metre	BITUMINOUS MACADAM 3.50 %: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	₹ 9,095.60	Cum	Rupees Nine Thousand and Ninety-Five and Sixty Paise Only	17538220.55

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A72	289790	Cubic metre	DENSE BITUMINOUS MACADAM 4.50%: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 4.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	₹ 11,105.50	Cum	Rupees Eleven Thousand and One Hundred and Five and Fifty Paise Only	32182619.57
A73	2026.43	Cubic metre	BITUMINOUS CONCRETE 6.25 %:- Providing and laying bituminous concrete using crushed aggregates of grading 2, premixed with bituminous binder @ 6.25 per cent by weight of total mix and filler, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for30/40 mm compacted thickness with VG-30 Bitumen,Excluding prime / tack coat. For Bitumen VG-30 bulk -- USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V-Sat attachment with Stone Dust filler Spec No.: MOST 1995 Cl.No.511	₹ 13,468.80	Cum	Rupees Thirteen Thousand and Four Hundred and Sixty-Eight and Eighty Paise Only	27293618.10
A74	0.00	Cubic metre	Providing and laying White Topping as per IRC-SP 76-2015 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DLC to correct surface profile and to be paid separately) with unreinforced M-40 grade Pavement Quality Concrete using Ordinary Portland Cement (OPC 43/OPC 53-Grade) at 357kg/cum (Replacement of Fly Ash is not Allowed) coarse aggregate, fine aggregate and Admixture confirming to IS 9130-1999 (R-2004) polymeric synthetic fibre as per ASTM (1116) such as polyester / polyethylene polypropylene / Glass fibre at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth covered over concrete surface, groove cutting grid 1m x 1m to a depth of 1/3 of the Thickness and of width 3-5 mm as per design including cost of all material, side form work, sealing joints labour and HOM of machineries etc. complete as per specifications..	₹ 8,418.35	cum	Rupees Eight Thousand and Four Hundred and Eighteen and Thirty-Five Paise Only	
A75	738.06	Kilogram	Organosilance Nanotechnology for Bituminous organosilance nanotechnology such as Zycotherm added in the bitumen binder @ 0.1% dosage to the weight of the bitumen at HMA plant to schive chemical bonding, complete coating and consistant compaction in various bituminous mixes such as BM/ DBM/ Carpet/ sealcoat/ MSS/SDBC etc. as per the direction of Engineer-in-charge with prior approval of concerned Superitending Engineer.	₹ 1,470.00	kg	Rupees One Thousand and Four Hundred and Seventy Only	1084948.88
A76			Providing and fixing on walls/ ceiling floor mm dia. CPVC pipe with necessary fittings. remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.				
	400.00	Running Metre	15 mm	₹ 279.30	Rmt	Rupees Two Hundred and Seventy-Nine and Thirty Paise Only	111720.00
	200.00	Running Metre	25 mm	₹ 393.80	Rmt	Rupees Three Hundred and Ninety-Three and Eighty Paise Only	78760.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	100.00	Running Metre	32 mm	₹ 452.60	Rmt	Rupees Four Hundred and Fifty-Two and Sixty Paise Only	45260.00
	75.00	Running Metre	40 mm	₹ 566.00	Rmt	Rupees Five Hundred and Sixty-Six Only	42450.00
	200.00	Running Metre	50mm	₹ 778.00	Rmt	Rupees Seven Hundred and Seventy-Eight Only	155600.00
A77	90.00	Numbers	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete.	₹ 1,310.40	No	Rupees One Thousand and Three Hundred and Ten and Forty Paise Only	117936.00
A78	50.00	Numbers	Providing and making ISI Mark ferrule connection of 50mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete	₹ 9,391.20	No	Rupees Nine Thousand and Three Hundred and Ninety-One and Twenty Paise Only	469560.00
A79			Providing , laying and fixing ,jointing Eco- drain mm SN 8 Nu- Drain Upvc pipes or of equivalent make. manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.				
	240.00	Running Metre	110mm	₹ 343.40	Rmt	Rupees Three Hundred and Forty-Three and Forty Paise Only	82416.00
	180.00	Running Metre	160mm	₹ 533.40	Rmt	Rupees Five Hundred and Thirty-Three and Forty Paise Only	96012.00
A80	42.78	Cubic metre	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. Complete	₹ 7,917.10	Cum	Rupees Seven Thousand and Nine Hundred and Seventeen and Ten Paise Only	338693.54
A81	37.80	Cubic metre	Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in external walls of plinth including bailing out water manually , striking joints inside and raking out joints from outside and watering etc.complete	₹ 13,152.80	Cum	Rupees Thirteen Thousand and One Hundred and Fifty-Two and Eighty Paise Only	497175.84
A82	38.76	Cubic metre	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.	₹ 6,140.90	Cum	Rupees Six Thousand and One Hundred and Forty and Ninety Paise Only	238021.28
A83	1.04	Cubic metre	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/ pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	₹ 8,172.60	Cum	Rupees Eight Thousand and One Hundred and Seventy-Two and Sixty Paise Only	8458.64
A84	78.00	Square metre	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.	₹ 438.30	Sqm	Rupees Four Hundred and Thirty-Eight and Thirty Paise Only	34187.40
A85	39.00	Square metre	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	₹ 722.00	Sqm	Rupees Seven Hundred and Twenty-Two Only	28158.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A86	2760.00	Square metre	Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.	₹ 37.80	Sqm	Rupees Thirty-Seven and Eighty Paise Only	104328.00
A87	200.00	Square metre	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary	₹ 309.80	Sqm	Rupees Three Hundred and Nine and Eighty Paise Only	61960.00
A88	250.00	Square metre	Providing and applying two coats of flat oil paint of approved colour to the old structural steel work and iron work previously painted in building including scaffolding, if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.	₹ 89.30	Sqm	Rupees Eighty-Nine and Thirty Paise Only	22325.00
A89	2760.00	Square metre	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat	₹ 92.40	Sqm	Rupees Ninety-Two and Forty Paise Only	255024.00
A90	24.00	Square metre	Providing and laying matt finish ceramic tiles of having size 30 cm x 30 cm confirming to .S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete.	₹ 1,251.90	Sqm	Rupees One Thousand and Two Hundred and Fifty-One and Ninety Paise Only	30045.60
A91	20.00	Running Metre	Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentiDeleted ire 0.75 mm dia) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete.	₹ 962.90	Rmt	Rupees Nine Hundred and Sixty-Two and Ninety Paise Only	19258.00
A92	20.00	Running Metre	Providing and fixing Guard Railing of 1000mm height as per Type D Drg. No. 15 dt. 20-4-79, and fixed in 40 x 40 x 6mm iron, angle embedded in 1:2:4 cement concrete bedding patti as per detailed drawing, with 3 coats of approved of yellow and black paint.	₹ 2,936.80	Rmt	Rupees Two Thousand and Nine Hundred and Thirty-Six and Eighty Paise Only	58736.00
A93	20.00	Running Metre	Providing railing of cast in situ R.C.C posts with (M-20) cement concrete trap / granite / quartzite / gneiss metal size 150 mm x 150 mm x 1.240 mm and horizantal 3 nos. at distance 370 mm C/C and bottom bar 150 mm above kerb as per the detailed drawings (including cost of reinforcement) scaffolding,steel centering, plywood/steel formwork etc. complete. The C.M. 1:3 plaster is considered for renderinguneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering/formwork will not be allowed).	₹ 2,623.90	Rmt	Rupees Two Thousand and Six Hundred and Twenty-Three and Ninety Paise Only	52478.00
A94	50.00	Cubic metre	Providing and laying in situ / ready mix M20 cement concrete of trap /granite /quartzite /gneiss metal for approach slab including compacting, finishing, curing etc. complete. (excluding reinforcement) (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand, cement6.40 bags/cumt)	₹ 8,236.30	Cum	Rupees Eight Thousand and Two Hundred and Thirty-Six and Thirty Paise Only	411815.00
A95	2.25	Metric metre	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	₹ 1,06,936.20	MT	Rupees One Lakh and Six Thousand and Nine Hundred and Thirty-Six and Twenty Paise Only	240606.45

Sr No.	Qty	UNIT	Description	Rate in Fig.	P	Rate in Words	Amount
A96	10.00	Cubic metre	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	₹ 2,049.00	Cum	Rupees Two Thousand and Forty-Nine Only	20490.00
A97	18.00	Cubic metre	Providing and laying in-situ M30 Grade unreinforced plain cement concrete pavement over a prepared subbas with 43 grade cement ,coarse and fine aggregate (natural sand/VSI grade finely washed crushed sand) conforming to IS383, using fine and coarse aggregates combined gradation asper Table 600-3 of MORTH Specification 2013, mixed in a batching and mixing plant/non tilting mixer and Weigh batcher as per approved mix design,admixtures, transporting to suring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automaticmicro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 8,584.20	Cum	Rupees Eight Thousand and Five Hundred and Eighty-Four and Twenty Paise Only	154515.60
A98	5.00	Square metre	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete	₹ 4,616.10	Sqm	Rupees Four Thousand and Six Hundred and Sixteen and Ten Paise Only	23080.50
A99	8.67	Running Metre	Providing and erectinge hain link fencing1.6M. height with G.I.chain link of size 50 x50mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S.Angles of 40x40x6 mm size, includind excavating pits for foundation and embedded in C.C.block of 1:4:8 mix of size 450x450x670 mm. at 1.75M. c/c with iron bar 16mmdia as hold fast including welding link with angle frame at 30cmc/c withnuts and bolts and horizontal M.S. Angles at top and bottom of 25x25x5 mm size and vertical M.S. flat 35x5mm and 25x5 mm horizontal including cross support of 40x40x6mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450x450x670 mm including 3 coats of oil painting etc. complete.	₹ 2,728.00	Rmt	Rupees Two Thousand and Seven Hundred and Twenty-Eight Only	23656.34
A100	5.00	Square metre	Providing and fixing mild steel grill gate with angle iron frame 65mmx65mmx10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/ Smt.	₹ 3,349.50	Sqm	Rupees Three Thousand and Three Hundred and Forty-Nine and Fifty Paise Only	16747.50
A101	5.00	Square metre	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One SquareMetre as per drawing including fixtures, necessary weldingand painting with onecoats of anticorrosivepaint and twocoatsof oil painting complete.	₹ 2,201.80	Sqm	Rupees Two Thousand and Two Hundred and One and Eighty Paise Only	11009.00
A102	4876.92	Square metre	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	₹ 699.30	Sqm	Rupees Six Hundred and Ninety-Nine and Thirty Paise Only	3410430.16

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A103	37165.20	Numbers	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer.	₹ 384.30	No	Rupees Three Hundred and Eighty-Four and Thirty Paise Only	14282586.36
A104	400.00	Numbers	Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retroreflectance of the reflecting panel, to the Engineer.	₹ 4,189.50	No	Rupees Four Thousand and One Hundred and Eighty-Nine and Fifty Paise Only	1675800.00
A105	15.00	Numbers	Providing and Fixing of Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm, the body structure shall be rounded at its acute angle, all the corners and edges. The plastic used for molding the Median Marker shall have a minimum Notched Izod Impact strength value of 600 J/m at room temperature, when tested in accordance with ASTM D256 and shall retain at least 70% of this value when subjected to accelerated weathering for 1000hrs as per ASTM G155 or UL746C. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have rectangular-shaped, fluorescent yellow color retro- reflective sheeting of size not less than 8.5cm*8.5cm and with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67: 2010 and ASTM D4956 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Median Marker shall be fixed by a combination of epoxy adhesive and grouting.	₹ 480.90	No	Rupees Four Hundred and Eighty and Ninety Paise Only	7213.50

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A106			Road Delineators: Supplying and installation of delineators (Roadway Indicators, Hazard markers, Object markers) 80 to 100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80x100mm rectangular or 75mm dia. Circular reflectorised panels at the top, buried or pressed into the ground and conforming to I.R.C. 79 and the drawings				
	20.00	Numbers		₹ 863.10	No	Rupees Eight Hundred and Sixty-Three and Ten Paise Only	17262.00
A107			Providing and fixing steel pipe delineators of 10 cm. in diameter and total height of 130 cm, provided with 2 strips of white retroreflective sheeting of size 5 cm. x 32.5 cm. each fixed horizontally and 2 strips of red retroreflective sheeting each having size 5 cm. x 32.5 cm. fixed horizontally at top, with M.S. round cap having diameter 11 cm. and wire mesh at top (10 guage thick) and height of wire mesh 15 cm, M.S. hold fast 6 mm thick with 35 cm. in length, fixing the delineators in C.C. 1:4:8 concrete block of size 25 cm. x 25 cm. x 45 cm. with necessary excavation etc. complete.				
	20.00	Numbers		₹ 1,056.30	No	Rupees One Thousand and Fifty-Six and Thirty Paise Only	21126.00
A108			Providing and fixing Mandatory/Regulatory sign boards in circular shape of____ mm dia made out of ____aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflective symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; ecmplete. Class C (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.				
	10.00	Numbers	600 mm dia made out of 3mm aluminum composite material	₹ 5,665.80	No	Rupees Five Thousand and Six Hundred and Sixty-Five and Eighty Paise Only	56658.00
	10.00	Numbers	750 mm dia made out of 4mm aluminum composite material	₹ 7,519.10	No	Rupees Seven Thousand and Five Hundred and Nineteen and Ten Paise Only	75191.00
A109			Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of ___mm made out of____ mm aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflective symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. ClassC (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier				
	5.00	Numbers	600 mm made out of 3mm aluminum composite material	₹ 4,524.40	No	Rupees Four Thousand and Five Hundred and Twenty-Four and Forty Paise Only	22622.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	5.00	Numbers	750 mm made out of 4mm aluminum composite material	₹ 5,205.90	No	Rupees Five Thousand and Two Hundred and Five and Ninety Paise Only	26029.50
	5.00	Numbers	900 mm made out of 4mm aluminum composite material	₹ 6,647.60	No	Rupees Six Thousand and Six Hundred and Forty-Seven and Sixty Paise Only	33238.00
A110			Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area less than 0.9 One Square Meterr made out of ____mm aluminum sheet bonded with white retro reflective sheeting of Class __ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on one no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the				
	8.10	Square metre	4mm aluminum composite material Class C	₹ 13,891.50	Sqm	Rupees Thirteen Thousand and Eight Hundred and Ninety-One and Fifty Paise Only	112521.15
A111			Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 square meter made out of__aluminum sheet bonded with white retro reflective sheeting of Class ____ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor convertor issued				
	8.10	Square metre	4mm aluminum composite material Class C	₹ 16,722.30	Sqm	Rupees Sixteen Thousand and Seven Hundred and Twenty-Two and Thirty Paise Only	135450.63

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A112			Providing and erecting Overhead signs made out of __aluminum sheet bonded with white retro reflective sheeting of Class ___(Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflective symbols, letters, numerals, arrow as per IRC:67-2012, with designed back support frame of mild steel angle with vertical and lateral clearance given in clause 801 and 802. duly painted on back side with two coats of grey stove enamel paint and installed as per clause 802.6 over a designed support system of structural steel work trestles and trusses of sections and type as per structural design requirements and approved plans including painting with one coat of epoxy primer and two coats of epoxy finish paint.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in				
	8.10	Square metre	4mm aluminum composite material Class C	₹ 10,839.10	Sqm	Rupees Ten Thousand and Eight Hundred and Thirty-Nine and Ten Paise Only	87796.71
A113			Metal Beam Crash Barrier- -Type A,W: Metal Beam Crash Barrier (Providing and erecting a W metal beam crash barrier comprising of 3mm thick corrugated sheet metal beam rail, 70 cm above road/ ground level, fixed on ISMC serieschannel vertical post,150x75x5mm spaced 2m centre to centre, 1.8m high, 1.1m below ground/ road level, all steel part sand fiments to be galvanised by hot dipprocess, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section150x75x5 mm, 330 mm long complete as per clause 810)""				
	75.00	Running Metre		₹ 5,157.60	Rmt	Rupees Five Thousand and One Hundred and Fifty-Seven and Sixty Paise Only	386820.00
A114			Providing and Constructing gabion structure 1Meter hight or required section made up of soft mechanically woven hexagonal shapedG.I. wire confirming to IS 16014:2012 having zinc plus PVC coating of overall diameterof 3.7mm and tying lacing wire of 3.2 mm with edge wire confirming to overall diameter 4.4 mm edges being mechanically selvedge including placing in position, fitting neatly with trap stone rubble (15 to 23 cm) all loose ends to be securely tied (Excluding transportation) etc. complete .(In Dry condition and for under water installation extra cost to be considered)				
	12.00	Cubic metre		₹ 5,271.80	cum	Rupees Five Thousand and Two Hundred and Seventy-One and Eighty Paise Only	63261.60
A115			Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish.				
	14.00	Numbers		₹ 18,958.80	No	Rupees Eighteen Thousand and Nine Hundred and Fifty-Eight and Eighty Paise Only	265423.20
A116			Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)				
	320.00	Numbers		₹ 21,916.65	No	Rupees Twenty-One Thousand and Nine Hundred and Sixteen and Sixty-Five Paise Only	7013328.00
			TOTAL CIVIL COST				**₹ 37,94,71,753.54**
			PART B- Water Supply				

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
B1			Providing DI Pipes (push on joints pressure pipes of DI of following class & Dia meters confirming to the Indian Standard Specification inclusive cost of jointing materials (Rubber Gasket of EPDM Quality) including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, Third Party Inspection charges of TPI agency approved by the MJP including transit insurance, Railway freight, unloading from railway wagon, loading in to the truck, transportation to departmental store / site of work, unloading, stacking etc. completed as directed by Engineer-in-Charge (IS:1536:2001 for pipes & IS:158:1969 & 15:12820:1989 or latest edition / revision with amendments for rubber gaskets). (IS:8329:2000 latest version) MJP DSR Page no 53 Sr No 3				
			SECTION-I(I) C.I./D.I. PIPES (69)				
			D.I. K 7				
	50.00	Running Metre	i) 100 mm Dia.	₹ 1,209.00	Rmt	Rupees One Thousand and Two Hundred and Nine Only	60450.00
	50.00	Running Metre	ii) 150 mm Dia.	₹ 1,686.00	Rmt	Rupees One Thousand and Six Hundred and Eighty-Six Only	84300.00
	50.00	Running Metre	iii) 200 mm Dia.	₹ 2,236.00	Rmt	Rupees Two Thousand and Two Hundred and Thirty-Six Only	111800.00
	50.00	Running Metre	iv) 250 mm Dia.	₹ 2,906.00	Rmt	Rupees Two Thousand and Nine Hundred and Six Only	145300.00
	50.00	Running Metre	v) 300 mm Dia.	₹ 3,571.00	Rmt	Rupees Three Thousand and Five Hundred and Seventy-One Only	178550.00
	50.00	Running Metre	vi) 350 mm Dia.	₹ 4,465.00	Rmt	Rupees Four Thousand and Four Hundred and Sixty-Five Only	223250.00
	50.00	Running Metre	vii) 400 mm Dia.	₹ 5,328.00	Rmt	Rupees Five Thousand and Three Hundred and Twenty-Eight Only	266400.00
	50.00	Running Metre	viii) 450 mm Dia.	₹ 6,346.00	Rmt	Rupees Six Thousand and Three Hundred and Forty-Six Only	317300.00
B2			Providing and supplying ISI standard CI flanged / S& S specials including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, railway freight, insurance, unloading from railway wagon, loading into truck transport to departmental store /site, unloading stacking etc. complete. MJP DSR Page no 72 Sr No 6 (a)				
			SECTION-II(I) C.I./D.I. PIPES (70)				
	500.00	Kilogram	D F specials up to 300 mm	₹ 88.00	kg	Rupees Eighty-Eight Only	44000.00
	500.00	Kilogram	Above 350 mm upto 600 mm dia.	₹ 94.00	kg	Rupees Ninety-Four Only	47000.00
B3			Supply of C. I. Mechanical Compression Flanged / Socket Tail piece(Popularly known as I TM Flanged / Socket Tailpiece) suitable for making flanged connection with the plain barrel of C. I. Spun Pipes (as per - IS - 1536 /2001) and D. I. Pipes (as per IS: 8329 / 2000).The Tailpiec to be supplied complete with sealing rubber gasket of S.B.R..C.I.. Follower Glands and M.S. Nut Bolts.The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538 /1993. The rates are inclusive of cost of material, forwarding charges,including all statutary duties and taxes such as GST levied by GoI and GoM in all respect, loading, transportation and unloading at departemental store etc. complete as directed. Consignee but exclusive of octroi. MJP DSR Page No. 143 Sr.No. 1				
			SECTION-I(XIII) MECHANICLA JOINTS/ FITTING (161)				
	30.00	Number	80 mm Dia.	₹ 1,311.00	No	Rupees One Thousand and Three Hundred and Eleven Only	39330.00
	30.00	Number	100 mm Dia.	₹ 1,430.00	No	Rupees One Thousand and Four Hundred and Thirty Only	42900.00
	30.00	Number	125 mm Dia.	₹ 1,800.00	No	Rupees One Thousand and Eight Hundred Only	54000.00
	30.00	Number	150 mm Dia.	₹ 2,574.00	No	Rupees Two Thousand and Five Hundred and Seventy-Four Only	77220.00
	30.00	Number	200 mm Dia.	₹ 3,335.00	No	Rupees Three Thousand and Three Hundred and Thirty-Five Only	100050.00
	30.00	Number	250 mm Dia.	₹ 5,031.00	No	Rupees Five Thousand and Thirty-One Only	150930.00
	30.00	Number	300 mm Dia.	₹ 5,632.00	No	Rupees Five Thousand and Six Hundred and Thirty-Two Only	168960.00
	30.00	Number	350 mm Dia.	₹ 7,427.00	No	Rupees Seven Thousand and Four Hundred and Twenty-Seven Only	222810.00
	30.00	Number	400mm Dia.	₹ 9,694.00	No	Rupees Nine Thousand and Six Hundred and Ninety-Four Only	290820.00
	30.00	Number	450mm Dia.	₹ 11,380.00	No	Rupees Eleven Thousand and Three Hundred and Eighty Only	341400.00
B4			Supply of C.I. mechanical compression collar coupling suitable for C.I. spun pipes (as per IS-1536/2001) and complete with sealing rubber gasket of SBR, C.I., follower glands and M.S. nut bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538/1993) including all statutary duties and taxes such as GST levied by GoI and GoM in all respect,MJP DSR Page No. 143 Sr.No. 2				
			SECTION-I(XIII) MECHANICLA JOINTS / FITTING (161)				
	25.00	Number	80 mm Dia.	₹ 826.00	No	Rupees Eight Hundred and Twenty-Six Only	20650.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	25.00	Number	100 mm Dia.	₹ 886.00	No	Rupees Eight Hundred and Eighty-Six Only	22150.00
	25.00	Number	125 mm Dia.	₹ 1,181.00	No	Rupees One Thousand and One Hundred and Eighty-One Only	29525.00
	25.00	Number	150 mm Dia.	₹ 1,593.00	No	Rupees One Thousand and Five Hundred and Ninety-Three Only	39825.00
	25.00	Number	200 mm Dia.	₹ 1,818.00	No	Rupees One Thousand and Eight Hundred and Eighteen Only	45450.00
	25.00	Number	250 mm Dia.	₹ 2,914.00	No	Rupees Two Thousand and Nine Hundred and Fourteen Only	72850.00
	25.00	Number	300 mm Dia.	₹ 3,729.00	No	Rupees Three Thousand and Seven Hundred and Twenty-Nine Only	93225.00
	25.00	Number	350 mm Dia.	₹ 4,597.00	No	Rupees Four Thousand and Five Hundred and Ninety-Seven Only	114925.00
	25.00	Number	400 mm Dia.	₹ 7,154.00	No	Rupees Seven Thousand and One Hundred and Fifty-Four Only	178850.00
	25.00	Number	450 mm Dia.	₹ 8,033.00	No	Rupees Eight Thousand and Thirty-Three Only	200825.00
B5			Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete. MJP DSR Page No. 34 Sr.No. 1				
			SECTION-EXCAVATION (40)				
	500.00			₹ 93.45	Bhp/hr	Rupees Ninety-Three and Forty-Five Paise Only	46725.00
B6			Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outsideincluding all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores / site, and stacking, etc. complete. MJP DSR Page no 72 Sr No 7 (d)				
			SECTION-I(I) C.I./D.I. PIPES (70)				
	300.00	Kilogram	D F of all diameters	₹ 95.00	kg	Rupees Ninety-Five Only	28500.00
B7			Providing and making flanged joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of all jointing materials (rubber packing, nut bolts, etc.), labour, hydraulic testing etc. complete. MJP DSR Page No. 56 Sr.No. 8				
			SECTION-I(I)C.I./D.I.PIPES (71)				
	15.00	Joint	80 mm Dia.	₹ 331.80	Joint	Rupees Three Hundred and Thirty-One and Eighty Paise Only	4977.00
	15.00	Joint	100 mm Dia.	₹ 571.20	Joint	Rupees Five Hundred and Seventy-One and Twenty Paise Only	8568.00
	15.00	Joint	150 mm Dia.	₹ 1,146.60	Joint	Rupees One Thousand and One Hundred and Forty-Six and Sixty Paise Only	17199.00
	15.00	Joint	200 mm Dia.	₹ 1,188.60	Joint	Rupees One Thousand and One Hundred and Eighty-Eight and Sixty Paise Only	17829.00
	15.00	Joint	250 mm Dia.	₹ 1,703.10	Joint	Rupees One Thousand and Seven Hundred and Three and Ten Paise Only	25546.50
	15.00	Joint	300 mm Dia.	₹ 1,769.25	Joint	Rupees One Thousand and Seven Hundred and Sixty-Nine and Twenty-Five Paise Only	26538.75
	15.00	Joint	450 mm Dia.	₹ 3,508.05	Joint	Rupees Three Thousand and Five Hundred and Eight and Five Paise Only	52620.75
	15.00	Joint	600 mm Dia.	₹ 3,898.65	Joint	Rupees Three Thousand and Eight Hundred and Ninety-Eight and Sixty-Five Paise Only	58479.75
B8			Providing and making Mechanical joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of , labour, hydraulic testing etc. complete. MJP DSR Page No. Sr.No.				
			SECTION-I(I)C.I./D.I.PIPES (71)				
	10.00	Joint	80 mm Dia.	₹ 265.44	Joint	Rupees Two Hundred and Sixty-Five and Forty-Four Paise Only	2654.40
	10.00	Joint	100 mm Dia.	₹ 456.96	Joint	Rupees Four Hundred and Fifty-Six and Ninety-Six Paise Only	4569.60
	10.00	Joint	150 mm Dia.	₹ 917.28	Joint	Rupees Nine Hundred and Seventeen and Twenty-Eight Paise Only	9172.80
	10.00	Joint	200 mm Dia.	₹ 950.88	Joint	Rupees Nine Hundred and Fifty and Eighty-Eight Paise Only	9508.80
	10.00	Joint	300 mm Dia.	₹ 1,415.40	Joint	Rupees One Thousand and Four Hundred and Fifteen and Forty Paise Only	14154.00
	10.00	Joint	450 mm Dia.	₹ 2,806.44	Joint	Rupees Two Thousand and Eight Hundred and Six and Forty-Four Paise Only	28064.40
	10.00	Joint	600 mm Dia.	₹ 3,118.92	Joint	Rupees Three Thousand and One Hundred and Eighteen and Ninety-Two Paise Only	31189.20
B9			Cutting and champhering of pipes of following diameters including cost of all materials and labour involved, etc. complete as directed by Engineer-in-charge (for all class of pipes). MJP DSR Page No. 137 Sr.No. 20				

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
			SECTION-I(XII) PIPES APPURTENANCES (156)				
	15.00	Number	80 mm Dia.	₹ 52.50	No.	Rupees Fifty-Two and Fifty Paise Only	787.50
	15.00	Number	100 mm Dia.	₹ 60.90	No.	Rupees Sixty and Ninety Paise Only	913.50
	15.00	Number	150 mm Dia.	₹ 94.50	No.	Rupees Ninety-Four and Fifty Paise Only	1417.50
	15.00	Number	200 mm Dia.	₹ 118.65	No.	Rupees One Hundred and Eighteen and Sixty-Five Paise Only	1779.75
	15.00	Number	300 mm Dia.	₹ 202.65	No.	Rupees Two Hundred and Two and Sixty-Five Paise Only	3039.75
	15.00	Number	450 mm Dia.	₹ 306.60	No.	Rupees Three Hundred and Six and Sixty Paise Only	4599.00
	15.00	Number	600 mm Dia.	₹ 447.30	No.	Rupees Four Hundred and Forty-Seven and Thirty Paise Only	6709.50
B10			Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour, etc. complete. MJP DSR Page No. 54 Sr.No. 2				
			SECTION-I(I)C.I./D.I.PIPES (68)				
	15.00	Running Metre	80mm	₹ 61.95	Rmt	Rupees Sixty-One and Ninety-Five Paise Only	929.25
	15.00	Running Metre	100mm	₹ 75.60	Rmt	Rupees Seventy-Five and Sixty Paise Only	1134.00
	11.00	Running Metre	150mm	₹ 100.80	Rmt	Rupees One Hundred and Eighty Paise Only	1108.80
	11.00	Running Metre	200mm	₹ 133.35	Rmt	Rupees One Hundred and Thirty-Three and Thirty-Five Paise Only	1466.85
	11.00	Running Metre	300mm	₹ 189.02	Rmt	Rupees One Hundred and Eighty-Nine and Two Paise Only	2079.22
	11.00	Running Metre	450mm	₹ 283.50	Rmt	Rupees Two Hundred and Eighty-Three and Fifty Paise Only	3118.50
	11.00	Running Metre	600mm	₹ 429.45	Rmt	Rupees Four Hundred and Twenty-Nine and Forty-Five Paise Only	4723.95
B11			Providing ISI mark GI. pipe of following class and dia. including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004.				
		SECTION-(III):G.I PIPES (93)	G.I.PIPE - medium grade MJP DSR Page no 82 Sr No 1B				
			b) Medium				
	15.00	Running Metre	15mm Dia.	₹ 105.00	Rmt	Rupees One Hundred and Five Only	1575.00
	15.00	Running Metre	20mm Dia.	₹ 135.00	Rmt	Rupees One Hundred and Thirty-Five Only	2025.00
	15.00	Running Metre	25 mm Dia.	₹ 206.00	Rmt	Rupees Two Hundred and Six Only	3090.00
	15.00	Running Metre	40 mm Dia.	₹ 299.00	Rmt	Rupees Two Hundred and Ninety-Nine Only	4485.00
	15.00	Running Metre	50 mm Dia.	₹ 413.00	Rmt	Rupees Four Hundred and Thirteen Only	6195.00
B12			Welding in all positions with required number of runs, for M. S. pipes internally and / or externa.ly including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification. MJP DSR Page No. 194 Sr.No. 7				
		SECTION-I(XVI) M. S. PIPE LAYING (186)	Butt joints - 10 mm thick				
	150.00	Running Metre		₹ 1,484.70	Rmt	Rupees One Thousand and Four Hundred and Eighty-Four and Seventy Paise Only	222705.00
B13		1) M. S. PIPE LAYING (187)	Gas cutting (either square cut or V cut) pipes, plates, etc. of thickness MJP DSR Page No. 196 Sr.No. 13				
	10.00	Running Metre	5 to 10 mm thickness	₹ 156.45	Rmt	Rupees One Hundred and Fifty-Six and Forty-Five Paise Only	1564.50
	10.00	Running Metre	10 to 14mm thickness	₹ 200.55	Rmt	Rupees Two Hundred and Fifty-Five Paise Only	2005.50
B14			Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 ProportionValve Chamber with Precast steel fibre reinforced concrete (S.F.R.C.) frame & covers. MJP DSR Page No. 235 Sr.No. 3				
	10.00	Number	90x60x120 cm	₹ 16,139.55	No	Rupees Sixteen Thousand and One Hundred and Thirty-Nine and Fifty-Five Paise Only	161395.50
	8.00	30cm depth	increase in depth of 30Cm	₹ 2,048.55	30cm depth	Rupees Two Thousand and Forty-Eight and Fifty-Five Paise Only	16388.40
	10.00	Number	90x90x120 cm	₹ 20,466.60	No	Rupees Twenty Thousand and Four Hundred and Sixty-Six and Sixty Paise Only	204666.00
	8.00	30cm depth	increase in depth of 30Cm	₹ 2,397.15	30cm depth	Rupees Two Thousand and Three Hundred and Ninety-Seven and Fifteen Paise Only	19177.20
	10.00	Number	120x120x120 cm	₹ 25,321.80	No	Rupees Twenty-Five Thousand and Three Hundred and Twenty-One and Eighty Paise Only	253218.00

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
B15			Providing and fixing in position steel fibre reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tonnes capacity) MJP DSR Page No. 137 Sr.No. 17				
	10.00	Number	90x45 cm	₹ 3,665.55	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Fifty-Five Paise Only	36655.50
	10.00	Number	90x60 cm	₹ 3,973.20	No	Rupees Three Thousand and Nine Hundred and Seventy-Three and Twenty Paise Only	39732.00
B16	SECTION-I(BEGI PIPES (94)		Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour etc. complete either underground or in vertical position, as directed by Engineer-in-charge. MJP DSR Page No. 73 Sr.No. 2B				
	15.00	Running Metre	15mm Dia.	₹ 36.75	Rmt	Rupees Thirty-Six and Seventy-Five Paise Only	551.25
	15.00	Running Metre	20mm Dia.	₹ 39.90	Rmt	Rupees Thirty-Nine and Ninety Paise Only	598.50
	15.00	Running Metre	25 mm Dia.	₹ 48.30	Rmt	Rupees Forty-Eight and Thirty Paise Only	724.50
	15.00	Running Metre	40 mm Dia.	₹ 72.45	Rmt	Rupees Seventy-Two and Forty-Five Paise Only	1086.75
	15.00	Running Metre	50 mm Dia.	₹ 85.05	Rmt	Rupees Eighty-Five and Five Paise Only	1275.75
B17			Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. PWD DSR Page No. 551 Sr.No. 42.72 to 42.77				
	10.00	Number	15mm Dia.	₹ 1,310.40	No.	Rupees One Thousand and Three Hundred and Ten and Forty Paise Only	13104.00
	10.00	Number	25 mm Dia.	₹ 2,642.80	No.	Rupees Two Thousand and Six Hundred and Forty-Two and Eighty Paise Only	26428.00
	10.00	Number	50 mm Dia.	₹ 9,391.20	No.	Rupees Nine Thousand and Three Hundred and Ninety-One and Twenty Paise Only	93912.00
			TOTAL Water Supply				**₹ 53,17,707.37**
			TOTAL CIVIL COST				**₹ 37,94,71,753.59**
			TOTAL WATER SUPPLY				**₹ 53,17,707.37**
			BASIC TOTAL COST OF BOQ (A + B)				**₹ 38,47,89,460.96**

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
	Part C- Electrical Cost					
C1	Supplying and erecting 7 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation	1	Number	₹ 17,220.00	Rupees Seventeen Thousand and Two Hundred and Twenty Only	17220.00
C2	Supplying and erecting 9 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 155 mm A/F, top 70 mm A/F on provided foundation	19	Number	₹ 21,847.00	Rupees Twenty-One Thousand and Eight Hundred and Forty-Seven Only	415093.00
C3	Supplying and erecting 12 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 240 mm A/F, top 90 mm A/F on provided foundation	1	Number	₹ 34,701.00	Rupees Thirty-Four Thousand and Seven Hundred and One Only	34701.00
C4	Supply and erecting 9m (clear height) Fixed type high-mast (Top-100mm, Bottom- 200mm) with hexagonal /round bracket and foundation bolts suitable for max. 4 Number. flood light fixtures on provided foundation	1	Number	₹ 35,726.00	Rupees Thirty-Five Thousand and Seven Hundred and Twenty-Six Only	35726.00
C5	Supplying and erecting 12.5 m (clear height) motorized high-mast (Top -150mm, Bottom- 360mm) hot dipped galvanized material with average minimum thickness 65 micron, made from high tensile structure grade steel as per BSEN - 10025 S 355/E350 & 3mm thickness, with base plate 25 mm thick x OD 520 mm grade as per IS-2062, pole made in single section & submerge arc welded, with lowering & raising motorized unit, wire rope stainless steel 316 grade 2 Number.. 7x19 construction 5mm, SG-DG U clamps, double drum with assembly 250 kg, 5x2.5 Sq.mm flexible copper cable with lantern carriage assembly suitable for max. 12 Number. luminaries and its control gear box, lightning arrestor, arrangement for fixing aviation light, night glow reflector on pole at suitable height, etc complete	1	Number	₹ 2,30,158.00	Rupees Two Lakhs and Thirty Thousand and One Hundred and Fifty-Eight Only	230158.00
C6	Supplying and erecting galvanised 1000mm single arm sword type bracket with FRP dome and ball	1	Number	₹ 2,710.00	Rupees Two Thousand and Seven Hundred and Ten Only	2710.00
C7	Supplying and erecting galvanised 1000mm double arm sword type bracket with FRP dome and ball	19	Number	₹ 4,500.00	Rupees Four Thousand and Five Hundred Only	85500.00
C8	Providing and fixing galvanised stadium bracket suitable for 6 Number floodlight fixtures	1	Number	₹ 12,150.00	Rupees Twelve Thousand and One Hundred and Fifty Only	12150.00

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C9	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation, fixing provided nut bolts with the help of template, duly plastered as per design complete (for 3 to 5m octagonal/ conical GI pole).	1	Number	₹ 4,090.00	Rupees Four Thousand and Ninety Only	4090.00
C10	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 6m to 8m high octagonal pole).	1	Number	₹ 4,873.00	Rupees Four Thousand and Eight Hundred and Seventy-Three Only	4873.00
C11	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 9m high octagonal pole).	19	Number	₹ 6,437.00	Rupees Six Thousand and Four Hundred and Thirty-Seven Only	122303.00
C12	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 11m & 12.5m high octagonal pole).	1	Number	₹ 8,953.00	Rupees Eight Thousand and Nine Hundred and Fifty-Three Only	8953.00
C13	Making M-20 cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 2m depth including excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 12.5m raising lowering high mast).	1	Number	₹ 29,037.00	Rupees Twenty-Nine Thousand and Thirty-Seven Only	29037.00
C14	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	1	Number	₹ 11,551.00	Rupees Eleven Thousand and Five Hundred and Fifty-One Only	11551.00
C15	Supplying and erecting FRP box of size 300mm x 200mm x 125 mm, 2.7 mm thick complete on pole/wall	3	Number	₹ 790.00	Rupees Seven Hundred and Ninety Only	2370.00
C16	Supplying and erecting integrated LED street light fitting 70-75W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, etc complete.	1	Number	₹ 5,753.00	Rupees Five Thousand and Seven Hundred and Fifty-Three Only	5753.00
C17	Supplying and erecting integrated LED street light fitting 85-90W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 9300 Lumens, min. efficacy of 110 lumen/W, etc complete.	38	Number	₹ 6,726.00	Rupees Six Thousand and Seven Hundred and Twenty-Six Only	255588.00
C18	Supplying and erecting integrated LED street light fitting 120W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 13000 Lumens, min. efficacy of 110 lumen/W, CRI >70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete	1	Number	₹ 9,957.00	Rupees Nine Thousand and Nine Hundred and Fifty-Seven Only	9957.00
C19	Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty	1	Number	₹ 10,357.00	Rupees Ten Thousand and Three Hundred and Fifty-Seven Only	10357.00
C20	Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, etc complete	1	Number	₹ 17,660.00	Rupees Seventeen Thousand and Six Hundred and Sixty Only	17660.00
C21	Supplying and erecting integrated LED flood light fitting Max. 400W IP65 & IK07 class having pressure die-cast aluminium housing, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty	1	Number	₹ 32,750.00	Rupees Thirty-Two Thousand and Seven Hundred and Fifty Only	32750.00
C22	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm, aluminium conductor complete	2500	Metre	₹ 183.00	Rupees One Hundred and Eighty-Three Only	457500.00

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C 23	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete	50	Metre	₹ 215.00	Rupees Two Hundred and Fifteen Only	10750.00
C 24	Supplying and erecting PVC insulated PVC round sheathed FR 1.5 sq.mm (30 no. x 0.25mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 kV	480	Metre	₹ 70.00	Rupees Seventy Only	33600.00
C 25	Supplying and erecting mains with WP 2 x 6 sq. mm. 1.1kV. grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire no. 8 SWG complete erected	100	Metre	₹ 85.00	Rupees Eighty-Five Only	8500.00
C 26	Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board	48	Number	₹ 250.00	Rupees Two Hundred and Fifty Only	12000.00
C 27	Supplying and erecting epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material	4	Number	₹ 2,075.00	Rupees Two Thousand and Seventy-Five Only	8300.00
C 28	Making trench in Hard murum/Tar road having 0.75m depth and minimum 0.3m width for laying provided cables up to voltage level 1.1kV cable complete	20	Metre	₹ 219.00	Rupees Two Hundred and Nineteen Only	4380.00
C29	Supplying and erecting 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	1980	Metre	₹ 204.00	Rupees Two Hundred and Four Only	403920.00
C30	Supplying and erecting 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	40	Metre	₹ 333.00	Rupees Three Hundred and Thirty-Three Only	13320.00
C31	Supplying and erecting three phase, 415V, street light control panel upto the max load of 12kW, TPN MCB 63A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54, IK10 protection suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up, auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc. for automatic operation with overcurrent, short circuit, earth fault protection on provided iron frame	1	Number	₹ 31,461.00	Rupees Thirty-One Thousand and Four Hundred and Sixty-One Only	31461.00
C32	Supplying and erecting outdoor stand mounted feeder pillar for high-mast of the same manufacturer with 63A TPN MCB incomer, 24hr astronomical time switch with minimum 5 Years battery backup, 45 A TP contactor for automatic switching of luminaries, 2 no 9A contactors and raise/lower push button, and provision for termination of adequate size of incoming and outgoing cables complete erected in min. 14 SWG CRCA sheet box powder coated with supporting angles, self lock, gasket and slanting top erected on CC foundation complete.	1	Number	₹ 33,144.00	Rupees Thirty-Three Thousand and One Hundred and Forty-Four Only	33144.00
C33	Providing, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories	26	Number	₹ 1,537.00	Rupees One Thousand and Five Hundred and Thirty-Seven Only	39962.00
C34	Supplying and erecting 8 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 59,330.00	Rupees Fifty-Nine Thousand and Three Hundred and Thirty Only	59330.00
C35	Supplying and erecting 7 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 55,100.00	Rupees Fifty-Five Thousand and One Hundred Only	55100.00
C36	Supplying and erecting 5 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	5	Number	₹ 54,650.00	Rupees Fifty-Four Thousand and Six Hundred and Fifty Only	273250.00
C 37	Supplying and erecting 3 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 45,980.00	Rupees Forty-Five Thousand and Nine Hundred and Eighty Only	45980.00
C38	Supplying and erecting decorative single arm bracket for 3/5 m decorative pole etc complete.	1	Number	₹ 14,800.00	Rupees Fourteen Thousand and Eight Hundred Only	14800.00

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C39	Supplying and erecting decorative double arm bracket for 3/5 m decorative pole etc complete.	5	Number	₹ 22,000.00	Rupees Twenty-Two Thousand Only	110000.00
C40	Supplying and erecting decorative single arm bracket for 7/8 m decorative pole etc complete.	1	Number	₹ 19,210.00	Rupees Nineteen Thousand and Two Hundred and Ten Only	19210.00
C41	Supplying and erecting decorative double arm bracket for 7/8 m decorative pole etc complete.	5	Number	₹ 33,500.00	Rupees Thirty-Three Thousand and Five Hundred Only	167500.00
C42	Supplying and erecting decorative integral post top lantern LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Number	₹ 9,975.00	Rupees Nine Thousand and Nine Hundred and Seventy-Five Only	9975.00
C43	Supplying and erecting decorative integral post top lantern LED fixtures of 72 W consisting with accessories on provided pole /bracket	1	Number	₹ 14,000.00	Rupees Fourteen Thousand Only	14000.00
C44	Supplying and erecting decorative integral hanging LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Number	₹ 7,100.00	Rupees Seven Thousand and One Hundred Only	7100.00
C45	Supplying and erecting decorative integral hanging LED fixtures of 72 W consisting with accessories on provided pole /bracket	10	Number	₹ 9,700.00	Rupees Nine Thousand and Seven Hundred Only	97000.00
C46	Supplying and erecting decorative integral hanging LED fixtures of 120 W consisting with accessories on provided pole /bracket	1	Number	₹ 10,940.00	Rupees Ten Thousand and Nine Hundred and Forty Only	10940.00
C47	Making fabrication work using 16 gauge metal sheet including Iron work with bending, cutting, drilling and welding complete	100	Kilogram	₹ 261.00	Rupees Two Hundred and Sixty-One Only	26100.00
C48	Dismantling the existing pole above 6 m height with brackets, clamps, insulators, stay from the c.c. foundation	1	Number	₹ 1,043.00	Rupees One Thousand and Forty-Three Only	1043.00
	Total Electrical Cost					**₹ 33,16,665.00**

Name of Work:- **Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)**

SCHEDULE B

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
	Part D- MSEDCL Cost					
D1	Providing and fixing inline cut point D. P. Structure for 11/0.415 kV, 200 KVA Transformer with R.S.J. Pole 2 Number. of size 100 x 116 mm x 11 Metre. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG with 4 Pole MCCB 400 Amps as incomer & 6 Number. 200 Amps Kitkat / MCCB for out going circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Number.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Number. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min.176 Kg. iron work) with necessary clamps, Nut-bolts. V cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.	10	Number	₹ 1,67,122.00	Rupees One Lakh and Sixty-Seven Thousand and One Hundred and Twenty-Two Only	1671220.00
D2	Providing and fixing 3 phase, 11/0.433 kV, 50 Hz., 200 kVA, Mineral oil immersed and naturally cooled outdoor type, aluminium wound Numbern-sealed transformer, delta/star connected with additional neutral brought out on load side, etc complete	0	Number	₹ 3,08,133.00	Rupees Three Lakhs and Eight Thousand and One Hundred and Thirty-Three Only	0.00
D3	Providing and fixing rolled steel joist (girder) pole 152 x 152 mm (37.1kg/m) with base plate in provided foundation	104	Metre	₹ 2,681.00	Rupees Two Thousand and Six Hundred and Eighty-One Only	278824.00
D4	Providing and fixing rolled steel joist (girder) pole 100 x 116 mm (23 kg/m) with base plate in provided foundation	683	Metre	₹ 1,840.00	Rupees One Thousand and Eight Hundred and Forty Only	1256720.00
D5	Providing and fixing rolled steel joist (girder) pole 125 x 70 mm (13.3 kg/m) with base plate in provided foundation	80	Metre	₹ 1,164.00	Rupees One Thousand and One Hundred and Sixty-Four Only	93120.00
D6	Providing and fixing G.I. stay set for poles, including loop insulators at inaccessible height with anchor plate 300x300xϕ mm., straining screws, G.I. stay wire 7/8 SWG, G.I. stay rod 20mmx1.8m length and pole clamps duly erected in provided cement concrete foundation complete	15	Number	₹ 2,010.00	Rupees Two Thousand and Ten Only	30150.00
D7	Providing and fixing HT stay wire	225	Kilogram	₹ 150.00	Rupees One Hundred and Fifty Only	33750.00
D8	Making Cement concrete foundation including excavation (60 x 60)cm x deep 1/6 of pole length in 1:3:6 cement concrete 20 x 25 mm stone metal, 45cm x 45cm x 45cm/ 45cm dia. x 45cm height plinth	720	Number	₹ 3,536.00	Rupees Three Thousand and Five Hundred and Thirty-Six Only	2545920.00

D9	Making C[illegible]nt concrete foundation including excavation (60 x 60 x 150)cm deep in 1:3:6 cement concrete. (20 to 25) mm stone metal with necessary curing and finishing complete.(for stay).	15	Number	₹	2,491.00	Rupees Two Thousand and Four Hundred and Ninety-One Only	37365.00
D10	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	5	Cubic Metre	₹	11,551.00	Rupees Eleven Thousand and Five Hundred and Fifty-One Only	57755.00
D11	Providing and fixing various channels, clamp, angle, flat etc fabrication works	806.78	Kilogram	₹	196.00	Rupees One Hundred and Ninety-Six Only	158128.88
D12	Providing and fixing disc type insulator 70 KN with necessary hardware suitable for 33kV line complete	8	Number	₹	2,037.00	Rupees Two Thousand and Thirty-Seven Only	16296.00
D13	Providing and fixing disc type insulator 45KN with necessary hardware suitable for 11kV line, complete	50	Number	₹	1,255.00	Rupees One Thousand and Two Hundred and Fifty-Five Only	62750.00
D14	Providing and fixing pin type insulator with GI pin suitable for 33kV line, complete	19	Number	₹	889.00	Rupees Eight Hundred and Eighty-Nine Only	16891.00
D15	Providing and fixing porcelain pin type insulator with GI pin suitable for 11kV line, complete	129	Number	₹	313.00	Rupees Three Hundred and Thirteen Only	40377.00
D16	Providing and fixing approved make thyrite type lightning arrestor suitable for 33KV line	1	Sets	₹	48,750.00	Rupees Forty-Eight Thousand and Seven Hundred and Fifty Only	48750.00
D17	Providing and fixing approved make thyrite type lightning arrestor suitable for 11KV line	10	Number	₹	1,347.00	Rupees One Thousand and Three Hundred and Forty-Seven Only	13470.00
D18	Providing and fixing isolator suitable for 33KV capacity	1	Number	₹	86,400.00	Rupees Eighty-Six Thousand and Four Hundred Only	86400.00
D19	Providing and fixing air break switch without earth switch 11KV, 400A outdoor type gang operated air break, triple pole switch of required capacity complete	6	Number	₹	16,128.00	Rupees Sixteen Thousand and One Hundred and Twenty-Eight Only	96768.00
D20	Providing and fixing 11 kV outdoor type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15A capacity complete erected on provided cross arm	1	Number	₹	6,603.00	Rupees Six Thousand and Six Hundred and Three Only	6603.00
D21	Providing and fixing ACSR conductor of size - 6/1-4.72 mm (Dog) complete.	1.4	Kilometre	₹	97,655.00	Rupees Ninety-Seven Thousand and Six Hundred and Fifty-Five Only	136717.00
D22	Providing and fixing ACSR conductor of size - 6/1-4.09 mm (Raccon) complete	6.9	Kilometre	₹	77,065.00	Rupees Seventy-Seven Thousand and Sixty-Five Only	531748.50
D23	Providing and fixing Nut bolts, hardware and Sundries, etc	10	Set	₹	15,000.00	Rupees Fifteen Thousand Only	150000.00
D24	Providing and fixing extendable/Numbern-extendable outdoor type 11 kV 630A, load break isolator switch, etc complete	1	Number	₹	1,52,150.00	Rupees One Lakh and Fifty-Two Thousand and One Hundred and Fifty	152150.00
D25	Providing and fixing HT 11 kV 4 way feeder pillar.	1	Number	₹	82,500.00	Rupees Eighty-Two Thousand and Five Hundred Only	82500.00

D26	Providing , fixing HT 33 kV 4 way feeder pillar.	1	Number	₹	2,25,000.00	Rupees Two Lakhs and Twenty-Five Thousand Only	225000.00
D27	Providing and fixing 11 kV HRC fuse 63A for load break switch with necessary nut bolts complete.	3	Number	₹	6,077.00	Rupees Six Thousand and Seventy-Seven Only	18231.00
D28	Dismantling the existing overhead line including G.I. wires of all sizes without damaging & making the coils in suitable sizes.	2.8	Kilometre	₹	1,489.00	Rupees One Thousand and Four Hundred and Eighty-Nine Only	4169.20
D29	Dismantling the existing lightening arrestor set, insulator from DP structure complete.	10	Number	₹	108.00	Rupees One Hundred and Eight Only	1080.00
D30	Dismantling the existing DP, brackets, clamps, insulators, stay, transformer from the c.c. foundation and re-installation of existing transformer.	10	Number	₹	17,500.00	Rupees Seventeen Thousand and Five Hundred Only	175000.00
D31	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 33 kV(E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe	90	Metre	₹	3,991.00	Rupees Three Thousand and Nine Hundred and Ninety-One Only	359190.00
D32	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe	261	Metre	₹	2,764.00	Rupees Two Thousand and Seven Hundred and Sixty-Four Only	721404.00
D33	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 185 sq. mm. aluminium conductor laid in provided trench / pipe	50	Metre	₹	2,008.00	Rupees Two Thousand and Eight Only	100400.00
D34	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 95 sq. mm. aluminium conductor laid in provided trench / pipe	50	Metre	₹	1,354.00	Rupees One Thousand and Three Hundred and Fifty-Four Only	67700.00
D35	Providing and fixing Heat shrinkable straight through joint kit for 3 x 300sq.mm 33Kv (E) XLPE HT cable etc complete	2	Number	₹	92,799.00	Rupees Ninety-Two Thousand and Seven Hundred and Ninety-Nine Only	185598.00
D36	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material	4	Number	₹	29,627.00	Rupees Twenty-Nine Thousand and Six Hundred and Twenty-Seven Only	118508.00
D37	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material	1	Number	₹	26,804.00	Rupees Twenty-Six Thousand and Eight Hundred and Four Only	26804.00
D38	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x up to 95 sq. mm. with necessary material	1	Number	₹	22,307.00	Rupees Twenty-Two Thousand and Three Hundred and Seven Only	22307.00
D39	Providing and fixing Heat shrinkable outdoor termination kit for 33kV (E) XLPE HT cable 3x300 sq. mm. to 400 sq. mm. with necessary material	3	Number	₹	33,057.00	Rupees Thirty-Three Thousand and Fifty-Seven Only	99171.00
D40	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material	10	Number	₹	14,682.00	Rupees Fourteen Thousand and Six Hundred and Eighty-Two Only	146820.00
D41	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material	2	Number	₹	13,197.00	Rupees Thirteen Thousand and One Hundred and Ninety-Seven Only	26394.00

D42	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x 95 sq. mm. with necessary material	2	Number	₹	13,964.00	Rupees Thirteen Thousand and Nine Hundred and Sixty-Four Only	27928.00
D43	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe	100	Metre	₹	183.00	Rupees One Hundred and Eighty-Three Only	18300.00
D44	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete	100	Metre	₹	215.00	Rupees Two Hundred and Fifteen Only	21500.00
D45	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 sq. mm. aluminium conductor complete	100	Metre	₹	297.00	Rupees Two Hundred and Ninety-Seven Only	29700.00
D46	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 sq. mm. aluminium conductor complete	100	Metre	₹	386.00	Rupees Three Hundred and Eighty-Six Only	38600.00
D47	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq. mm. aluminium conductor complete	100	Metre	₹	499.00	Rupees Four Hundred and Ninety-Nine Only	49900.00
D48	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 95 sq. mm. aluminium conductor complete	100	Metre	₹	611.00	Rupees Six Hundred and Eleven Only	61100.00
D49	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 sq. mm. aluminium conductor complete	100	Metre	₹	761.00	Rupees Seven Hundred and Sixty-One Only	76100.00
D50	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 sq. mm. aluminium conductor complete	100	Metre	₹	902.00	Rupees Nine Hundred and Two Only	90200.00
D51	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 sq. mm. aluminium conductor complete	400	Metre	₹	1,102.00	Rupees One Thousand and One Hundred and Two Only	440800.00
D52	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 240 sq. mm. aluminium conductor complete	100	Metre	₹	1,380.00	Rupees One Thousand and Three Hundred and Eighty Only	138000.00
D53	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material	64	Number	₹	2,075.00	Rupees Two Thousand and Seventy-Five Only	132800.00
D54	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 25 to 50 sq mm., with necessary material	5	Number	₹	2,773.00	Rupees Two Thousand and Seven Hundred and Seventy-Three Only	13865.00
D55	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 70 to 95 sq mm., with necessary material	5	Number	₹	3,838.00	Rupees Three Thousand and Eight Hundred and Thirty-Eight Only	19190.00
D56	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 185 sq mm., with necessary material	5	Number	₹	4,014.00	Rupees Four Thousand and Fourteen Only	20070.00
D57	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 240 sq mm., with necessary material	5	Number	₹	6,214.00	Rupees Six Thousand and Two Hundred and Fourteen Only	31070.00

D58	Providing & fixing G.I. pipe 'A' class 75 mm dia. for enclosing XLPE armoured cable on wall/pole	400	Metre	₹ 674.00	Rupees Six Hundred and Seventy-Four Only	269600.00
D59	Providing and laying (including excavation) half round reinforced cement concrete pipe of NP-2 class of 150mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.	324	Metre	₹ 545.00	Rupees Five Hundred and Forty-Five Only	176580.00
D60	Making trench in Hard murum/Tar road having 0.75m depth and minimum 0.3m width for laying provided cables up to voltage level 1.1kV cable complete	100	Metre	₹ 219.00	Rupees Two Hundred and Nineteen Only	21900.00
D61	Providing and laying 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	100	Metre	₹ 204.00	Rupees Two Hundred and Four Only	20400.00
D62	Providing and laying 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	400	Metre	₹ 333.00	Rupees Three Hundred and Thirty-Three Only	133200.00
D63	Providing and laying 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	250	Metre	₹ 374.00	Rupees Three Hundred and Seventy-Four Only	93500.00
D64	Providing and fixing mains with WP 3 x 6 sq. mm. 1.1kV. grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire Number. 8 SWG complete erected with required size of porcelain reel insulatqrs and 16 SWG G.I. binding wire.	100	Metre	₹ 142.00	Rupees One Hundred and Forty-Two Only	14200.00
D65	Providing and fixing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories	140	Number	₹ 1,537.00	Rupees One Thousand and Five Hundred and Thirty-Seven Only	215180.00
D66	Providing and fixing GI earth wire of high purity of different sizes used for earthing.	500	Kilogram	₹ 168.00	Rupees One Hundred and Sixty-Eight Only	84000.00
D67	Licencing work for line shifting Co-ordination with MSEDCL etc complete.	1	Job.	₹ 35,000.00	Rupees Thirty-Five Thousand Only	35000.00
D68	Providing and fixing mini feeder pillar with 415V, 315-320A FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and cartridge of 100A aluminium bus bar erected in 14 SWG CRCA sheet box with supporting angles, self locks, gasket and enclosure must be dust proof, rust proof, vermin and water resistant, having slanting top and erected on angle iron/ GI frame in provided C.C. foundation complete	16	Number	₹ 55,236.00	Rupees Fifty-Five Thousand and Two Hundred and Thirty-Six Only	883776.00
	Total MSEDCL Cost					**₹ 1,30,58,608.58**

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Part D- Quality Comtrol

Sr. No.	Item in brief	Estimated Quantity	Estimated Unit	Material	Standard Consumption	Utilised Quantity of Ingradients	Tests	Required Tests	Rate of Each Test	Rate in Words	Amount of Q.C.Testing Charges
1	2	3	4	5	6	7	9	10	11	12	13
E1	Providing earthwork Departmental Land.	50.00	Cubic Metre	Earth	1.00000	50.00	SOIL / MURUM Compaction Test (Proctor Density).	1	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	1955.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	1	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	1230.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	1	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	7250.00
E2	Providing earthwork from Other sources.	300.00	Cubic Metre	Earth	1.00000	300.00	SOIL / MURUM Compaction Test (Proctor Density).	5	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	9775.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	5	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	13650.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	5	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	6150.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	5	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	36250.00
E3	Supplying Hard Murum	16090.23	Cubic Metre		0.0000	0.00	SOIL / MURUM Sieve Analysis test.	55	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	39875.00
	Road Subgrade			Murum	1.0000	15945.27	SOIL / MURUM Liquid limit & plastic Limit test.	55	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	67650.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	55	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	398750.00
E4	G.S.B. with Gr.I close graded Material by Plant Mix Method.	10096.34	Cubic Metre		0.0000	0.00	G.S.B. Mix Design test.	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
	Road Sub Base & Base Course			Cr.Metal	1.2800	12806.89	BASIC TEST OF AGGREGATE. Sieve Analysis test.	38	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	27550.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	45	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	55350.00
							SOIL / MURUM Compaction Test (Proctor Density).	75	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	146625.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	35	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	253750.00
							SOIL / MURUM C.B.R. test (Field determination test)	115	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	313950.00
E5	W.B.M. with Grading-I.Using Screening Type-A	2211.12	Cubic Metre	Murum	0.08000	175.30	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	22	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	60060.00
	Road Sub Base & Base Course			Cr.Metal	0.2700	591.62	BASIC TEST OF AGGREGATE. Sieve Analysis test.	23	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	16675.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	21480.00

			Metal	1.2100	2651.35	SOIL / MURUM Sieve Analysis test.	11	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	7975.00
						SOIL / MURUM Liquid limit & plastic Limit test.	15	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	18450.00
E6	W.B.M.with Grading-II.Using Screening Type-B.	1105.56	Cubic Metre	Murum	0.08000	87.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	19	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	51870.00
	Road Sub Base & Base Course			Cr.Metal	0.2400	262.94	BASIC TEST OF AGGREGATE. Sieve Analysis test.	8	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	5800.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	4	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	3580.00
				Metal	1.2100	1325.68	SOIL / MURUM Sieve Analysis test.	1	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	725.00
							SOIL / MURUM Liquid limit & plastic Limit test.	2	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	2460.00
E7	Wet Mix Macadam	3929.12	Cubic Metre		0.0000	0.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	20	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	54600.00
	Road Sub Base & Base Course			Cr.Metal	1.2100	4711.41	BASIC TEST OF AGGREGATE. Sieve Analysis test.	20	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	14500.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	0	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	0.00
					0.0000		Wet Mix Macadam Mix Design test.	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
							SOIL / MURUM Liquid limit & plastic Limit test.	10	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	12300.00
							SOIL / MURUM C.B.R. test (Field determination test)	38	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	103740.00
E8	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely	2211.12	Cubic Metre	Cement	0.30000	657.36	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	68	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	49300.00
				Sand	0.4400	964.13	BASIC TEST OF AGGREGATE. Sieve Analysis test.	24	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	17400.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	21480.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	20	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	29000.00
							BASIC TEST OF CEMENT.Standard Consistancy Fineness, Specific Gravity, Setting Time (Initial & Final)	10	₹ 3,960.00	Rupees Three Thousand and Nine Hundred and Sixty Only	39600.00

E9 Dry Lean Cement Concrete	3476.52	Cubic Metre	Cement	0.22000	757.94	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	89	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	64525.00
			Sand	0.4700	1619.24	BASIC TEST OF AGGREGATE. Sieve Analysis test.	28	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	20300.00
				0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	28	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	25060.00
						FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	28	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	40600.00
E10 M-20 for R.C.C. beams and lintels with natural/ V.S.I. sand	10.00	Cubic Metre	Cement	0.35000	3.50	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
			Sand	0.4250	4.25	BASIC TEST OF AGGREGATE. Sieve Analysis test.	1	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	725.00
				0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
						FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	1	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	1450.00
E11 TMT FE-500 bar reinforcement for R.C.C. 5-Bd-F : REINFORCED CEMENT CONCRETE	0.50	Metric Tonne	Steel	1.00000	0.50	STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)	1	₹ 1,340.00	Rupees One Thousand and Three Hundred and Forty Only	1340.00
				0.0000	0.00	STEEL BAR TESTING Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress.Weight-Per Meter, Bend / Rebend Test, Proof Stress).	1	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	1675.00
E12 Providing and laying in-situ M-40 Grade unreinforced plain cement concrete pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (Natural Sand/ VSI grade finely washed Crushed Sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying, compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound/ by providing cement vata in cement Mortar 1:8 of 0.6 metre x 0.6 metre centre to centre, admeasuring 80 milimetre at bottom [illegible] Rigid Pavement	6953.04	Cubic Metre	Cement	0.42500	2928.42	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	141	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	102225.00
			Cr.Metal	0.8500	5856.84	Concrete Mix Design (With all Tests on basic materials).	14	₹ 14,445.00	Rupees Fourteen Thousand and Four Hundred and Forty-Five Only	202230.00
						Concrete Mix Design PQC/DLC by Normal curing method	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
			Sand	0.4000	2756.16	BASIC TEST OF AGGREGATE. Sieve Analysis test.	30	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	21750.00
				0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	30	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	26850.00

						FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	1	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	1450.00
						CONCRETE Flexural strength of Beam test.	82	₹ 780.00	Rupees Seven Hundred and Eighty Only	63960.00
E13 Coloured Paving Blocks 60 mm thick.	250.00	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption	24	₹ 2,620.00	Rupees Two Thousand and Six Hundred and Twenty Only	62880.00
E14 Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 milimetre thickness of having a strength of 300 kilogram per square centimetre of approved quality and shape on a bed of crushed sand of 25 to 30 milimetre thick including skirting.	14740.80	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption test (Set of 8 Blocks).	57	₹ 2,620.00	Rupees Two Thousand and Six Hundred and Twenty Only	149340.00
E15 75 mm M.P.M. on W.B.M. with 70% Hand Broken Metal. Road Sub Base & Base Course	500.00	Square Metre	Bitumen	0.00200	1.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
			Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
						BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	1	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	3290.00
						BITUMEN Viscosity test.	1	₹ 2,005.00	Rupees Two Thousand and Five Only	2005.00
E16 75 mm M.P.M. on B.T. with 70% Hand Broken Metal. Road Sub Base & Base Course	500.00	Square Metre	Bitumen	0.00230	1.15	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
			Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
						BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	1	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	3290.00
						BITUMEN Viscosity test.	1	₹ 2,005.00	Rupees Two Thousand and Five Only	2005.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	4	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	13160.00
						BITUMEN Viscosity test.	4	₹ 2,005.00	Rupees Two Thousand and Five Only	8020.00
E17 B.M. Gr-I with Batch Mix SCADA with 3.0% Bitumen VG-30. Road Sub Base & Base Course	165.00	Cubic Metre	Bitumen	0.07260	11.98	B.M. Mix Design with all Tests on aggregate and bitumen.	1	₹ 11,155.00	Rupees Eleven Thousand and One Hundred and Fifty-Five Only	11155.00
			Cr.Metal	1.4100	232.65	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
				0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00
			Bituminous Mix	1.4100	232.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	2	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	5460.00
						Density test of Bituminous Core.	5	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	3325.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	2	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	6580.00

						BITUMEN Viscosity test.	2	₹ 2,005.00	Rupees Two Thousand and Five Only	4010.00
						BITUMEN Extraction Test.	2	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	3350.00
						BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
						Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
E18 B.M. Gr-I 3.5% PLC Batch Mix SCADA, VTS, Sensor Paver with VG Road Sub Base & Base Course	1898.29	Cubic Metre	Bitumen	0.07260	136.57	B.M. Mix Design with all Tests on aggregate and bitumen.	1	₹ 11,155.00	Rupees Eleven Thousand and One Hundred and Fifty-Five Only	11155.00
			Cr.Metal	1.4100	2652.48	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	41	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	36695.00
				0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	20	₹ 780.00	Rupees Seven Hundred and Eighty Only	15600.00
			Bituminou s Mix	1.4100	2652.48	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	34	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	92820.00
						Density test of Bituminous Core.	67	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	44555.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	27	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	88830.00
						BITUMEN Viscosity test.	27	₹ 2,005.00	Rupees Two Thousand and Five Only	54135.00
						BITUMEN Extraction Test.	34	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	56950.00
						BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
						Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
E19 D.B.M. 4.5% SCADA Batch Mix with VG-30 and Stone Dust Filler. Road Sub Base & Base Course	2804.66	Cubic Metre	Bitumen	0.10350	287.67	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	13	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	35490.00
			Cr.Metal	1.5280	4246.91	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	13	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	11635.00
				0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
						Density test of Bituminous Core.	74	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	49210.00
						Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	₹ 20,355.00	Rupees Twenty Thousand and Three Hundred and Fifty-Five Only	20355.00
						BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	29	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	95410.00
						BITUMEN Viscosity test.	29	₹ 2,005.00	Rupees Two Thousand and Five Only	58145.00
						BITUMEN Extraction Test.	16	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	26800.00
						Marshall Stability & Flow measurement test. (Set of 3 moulds).	16	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only	18720.00
E20 B.C. Gr-I Batch Mix SCADA, VTS, Sensor Paverwith 6.25% VG 30.	1964.27	Cubic Metre	Bitumen	0.12960	252.39	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value	9	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	24570.00

Road Sub Base & Base Course		Cr.Metal	1.5720	3061.36	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	9	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only		8055.00
			0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only		8250.00
					Density test of Bituminous Core.	52	₹ 665.00	Rupees Six Hundred and Sixty-Five Only		34580.00
					Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	₹ 20,355.00	Rupees Twenty Thousand and Three Hundred and Fifty-Five Only		20355.00
					BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity	26	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only		85540.00
					BITUMEN Viscosity test.	26	₹ 2,005.00	Rupees Two Thousand and Five Only		52130.00
					BITUMEN Extraction Test.	11	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only		18425.00
					Marshal: Stability & Flow measurement test. (Set of 3 moulds).	11	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only		12870.00
E21	Road Marking with Hot Applied Thermoplastic Compound. Road Furniture	4659.36	Square Metre	0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Glass bead contents & grading analysis	1	₹ 4,070.00	Rupees Four Thousand and Seventy Only		4070.00
				0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Reflectance & yellowness index Test.	1	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only		1170.00
				0.0000		PAINT / THERMO-PLASTIC PAINT Flowability (Percentage residue) Test.	1	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only		1170.00
				0.0000		PAINT / THERMO-PLASTIC PAINT Softening Point (Ring & ball method)	1	₹ 1,060.00	Rupees One Thousand and Sixty Only		1060.00
						PAINT / THERMO-PLASTIC PAINT Drying Time Test.	1	₹ 835.00	Rupees Eight Hundred and Thirty-Five Only		835.00
Total Quality Control Testing Charges										₹	**38,49,655.00**

Name of Work:- **Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)**

SCHEDULE B

Qty	UNIT	Sr No.	Description	Rate in Fig.	Per	Rate in Words	Amount
			PART F- Royalty				
		F1	Royalty charges for murum dubber should be paid by the contractor regularly to the government and contractor should produce delivery challon, payment receipt, pakka bill etc. complete alongwith every R.A. bill \ final bill as applicable.(It is entirely responsibility of contractor to pay Royalty charges to the Government)				
16581.54	Cubic Metre	A	for murum / Rubble /	₹ 216.18	Cum	Rupees Two Hundred and Sixteen and Eighteen Paise Only	3584596.58
3.24	Cubic Metre	B	for sand	₹ 237.37	Cum	Rupees Two Hundred and Thirty-Seven and Thirty-Seven Paise Only	768.37
			Total Royalty				**₹ 35,85,364.95**

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Schedule-B Total

Sr No.	Description	Amount	Rate in Words
	SUMMARY		
A	CIVIL WORKS	₹ 38,47,89,460.96	Rupees Thirty-Eight Crores and Forty-Seven Lakhs and Eighty-Nine Thousand and Four Hundred and Sixty and Ninety-Six Paise Only
B	ELECTRICAL + MSEB	₹ 1,63,75,273.58	Rupees One Crore and Sixty-Three Lakhs and Seventy-Five Thousand and Two Hundred and Seventy-Three and Fifty-Eight Paise Only
C	BASIC TOTAL COST OF BOQ (A + B)	₹ 40,11,64,734.54	Rupees Forty Crores and Eleven Lakh and Sixty-Four Thousand and Seven Hundred and Thirty-Four and Fifty-Four Paise Only
D	GST ON A AND B	₹ 7,22,09,652.22	Rupees Seven Crores and Twenty-Two Lakhs and Nine Thousand and Six Hundred and Fifty-Two and Twenty-Two Paise Only
E	Quality Control Cost	₹ 38,49,655.00	Rupees Thirty-Eight Lakhs and Forty-Nine Thousand and Six Hundred and Fifty-Five Only
F	PART F- Royalty Cost	₹ 35,85,364.95	Rupees Thirty-Five Lakhs and Eighty-Five Thousand and Three Hundred and Sixty-Four and Ninety-Five Paise Only
	TOTAL COST OF PROJECT	₹ **48,08,09,406.71**	Rupees Forty-Eight Crores and Eight Lakhs and Nine Thousand and Four Hundred and Six and Seventy-One Paise Only

Nashik Municipal Corporation

Electrical & Mechanical Department :- Electrical Branch

Fund Head :-

Estimate Prepared by Jr. / Asst. / Sec. Engineer :- Shri. S. R. Zade

Deputy Engineer :- Shri. N. R. Dhamne

Executive Engineer :- Shri. A. S. Gaikwad

Name of work :- **Part-A** Shifting of streetlight pole and allied works at Chopada Lawns to Mumbai Naka, West division, NMC.

Part-B Shifting of HT, LT lines and allied works of Chopada Lawns to Mumbai Naka, West division, NMC.

Estimate Rs. :-

Part A	39,13,665.00
Part B	1,54,09,158.00
Total	1,93,22,823.00

Note :- The estimate is prepared on the basis of PWD DSR 2023-24.

Jr./Sect Engineer
NMC

Dy. Engineer
NMC

Exe. Engineer
NMC

Technical Scrutiny

Technically Sanctioned for Rs. :- 1,93,22,823.00

In Words :- One crore ninety three lakh twenty two thousand eight hundred twenty three Rs. only

Vide No. :- 48 Date :- 16/09/2025

APPROVED

Superintending Engineer
Electrical and Mechanical Department
Nashik Municipal Corporation, Nashik

ABSTRACT

Name of work: Shifting of streetlight pole and allied works at Chopada Lawns to Mumbai Naka, West division, NMC.

S. N	Item	Qty	Per	Rate	Amount
1	Supplying and erecting 7 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation (PWD DSR 2023-24, 8-2-13)	1	Nos	17220.00	17220.00
2	Supplying and erecting 9 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 155 mm A/F, top 70 mm A/F on provided foundation (PWD DSR 2023-24, 8-2-15)	19	Nos	21847.00	415093.00
3	Supplying and erecting 12 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 240 mm A/F, top 90 mm A/F on provided foundation (PWD DSR 2023-24, 8-2-18)	1	Nos	34701.00	34701.00
4	Supply and erecting 9m (clear height) Fixed type high-mast (Top-100mm, Bottom- 200mm) with hexagonal /round bracket and foundation bolts suitable for max. 4 nos. flood light fixtures on provided foundation (PWD DSR 2023-24, 8-2-8)	1	No	35726.00	35[illegible].00
5	Supplying and erecting 12.5 m (clear height) motorized high-mast (Top -150mm, Bottom-360mm) hot dipped galvanized material with average minimum thickness 65 micron, made from high tensile structure grade steel as per BSEN - 10025 S 355/E350 & 3mm thickness, with base plate 25 mm thick x OD 520 mm grade as per IS-2062, pole made in single section & submerge arc welded, with lowering & raising motorized unit, wire rope stainless steel 316 grade 2 nos., 7x19 construction 5mm, SG-DG U clamps, double drum with assembly 250 kg, 5x2.5 Sq.mm. flexible copper cable with lantern carriage assembly suitable for max. 12 nos. luminaries and its control gear box, lightning arrestor, arrangement for fixing aviation light, night glow reflector on pole at suitable height, etc complete (PWD DSR 2023-24, 8-2-1)	1	No	230158.00	230158.00
6	Supplying and erecting galvanised 1000mm single arm sword type bracket with FRP dome and ball (PWD DSR 2023-24, 8-2-19)	1	Nos	2710.00	2710.00
7	Supplying and erecting galvanised 1000mm double arm sword type bracket with FRP dome and ball (PWD DSR 2023-24, 8-2-20)	19	Nos	4500.00	85500.00

S. N	Item	Qty	Per	Rate	Amount
8	Providing and fixing galvanised stadium bracket suitable for 6 nos floodlight fixtures	1	No	12150.00	12150.00
9	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation, fixing provided nut bolts with the help of template, duly plastered as per design complete (for 3 to 5m octagonal/ conical GI pole). (PWD DSR 2023-24, 16-3-8)	1	No	4090.00	4090.00
10	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 6m to 8m high octagonal pole). (PWD DSR 2023-24, 16-3-9)	1	Nos	4873.00	4873.00
11	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 9m high octagonal pole). (PWD DSR 2023-24, 16-3-10)	19	Nos	6437.00	122303.00
12	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 11m & 12.5m high octagonal pole). (PWD DSR 2023-24, 16-3-11)	1	No	8953.00	8953.00
13	Making M-20 cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 2m depth including excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 12.5m raising lowering high mast). (PWD DSR 2023-24, 16-3-12)	1	No	29037.00	29037.00

S. N	Item	Qty	Per	Rate	Amount
14	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	1	Cub.M	11551.00	11551.00
15	Supplying and erecting FRP box of size 300mm x 200mm x 125 mm, 2.7 mm thick complete on pole/wall (PWD DSR 2023-24, 7-8-10)	3	Nos	790.00	2370.00
16	Supplying and erecting integrated LED street light fitting 70-75W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, etc complete. (PWD DSR 2023-24, 2-3-6)	1	Nos	5753.00	5753.00
17	Supplying and erecting integrated LED street light fitting 85-90W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 9300 Lumens, min. efficacy of 110 lumen/W, etc complete. (PWD DSR 2023-24, 2-3-7)	38	Nos	6726.00	255588.00
18	Supplying and erecting integrated LED street light fitting 120W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 13000 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete (PWD DSR 2023-24, 2-3-9)	1	Nos	9957.00	9957.00
19	Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty (PWD DSR 2023-24, 2-3-17)	1	Nos	10357.00	10357.00

S. N	Item	Qty	Per	Rate	Amount
20	Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, etc complete (PWD DSR 2023-24, 2-3-18)	1	No	17660.00	17660.00
21	Supplying and erecting integrated LED flood light fitting Max. 400W IP65 & IK07 class having pressure die-cast aluminium housing, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty	1	No	32750.00	32750.00
22	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-28)	2500	Mtr	183.00	457500.00
23	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-29)	50	Mtr	215.00	10750.00
24	Supplying and erecting PVC insulated PVC round sheathed FR 1.5 sq.mm (30 no. x 0.25mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 kV (PWD DSR 2023-24, 1-3-14)	480	Mtr	70.00	33600.00
25	Supplying and erecting mains with WP 2 x 6 sq. mm. 1.1kV. grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire no. 8 SWG complete erected (PWD DSR 2023-24, 1-4-3)	100	Mtr	85.00	8500.00
26	Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board (PWD DSR 2023-24, 5-3-1)	48	No	250.00	12000.00
27	Supplying and erecting epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material (PWD DSR 2023-24, 7-4-1)	4	Nos	2075.00	8300.00

S. N	Item	Qty	Per	Rate	Amount
28	Making trench in Hard murum/Tar road having 0.75m depth and minimum 0.3m width for laying provided cables up to voltage level 1.1kV cable complete (PWD DSR 2023-24, 16-1-2)	20	Mtr	219.00	4380.00
29	Supplying and erecting 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete. (PWD DSR 2023-24, 7-6-9)	1980	Mtr	204.00	403920.00
30	Supplying and erecting 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete. (PWD DSR 2023-24, 7-6-11)	40	Mtr	333.00	13320.00
31	Supplying and erecting three phase, 415V, street light control panel upto the max load of 12kW, TPN MCB 63A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54, IK10 protection suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up, auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc. for automatic operation with overcurrent, short circuit, earth fault protection on provided iron frame (PWD DSR 2023-24, 5-2-6)	1	Nos	31461.00	31461.00
32	Supplying and erecting outdoor stand mounted feeder pillar for high-mast of the same manufacturer with 63A TPN MCB incomer, 24hr astronomical time switch with minimum 5 Years battery backup, 45 A TP contactor for automatic switching of luminaries, 2 no 9A contactors and raise/lower push button, and provision for termination of adequate size of incoming and outgoing cables complete erected in min. 14 SWG CRCA sheet box powder coated with supporting angles, self lock, gasket and slanting top erected on CC foundation complete. (PWD DSR 2023-24, 8-2-22)	1	No	33144.00	33144.00
33	Providing, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories (PWD DSR 2023-24, 9-1-4)	26	Nos	1537.00	39962.00

S. N	Item	Qty	Per	Rate	Amount
34	Supplying and erecting 8 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Nos	59330.00	59330.00
35	Supplying and erecting 7 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Nos	55100.00	55100.00
36	Supplying and erecting 5 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	5	Nos	54650.00	273250.00
37	Supplying and erecting 3 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Nos	45980.00	45980.00
38	Supplying and erecting decorative single arm bracket for 3/5 m decorative pole etc complete.	1	Nos	14800.00	14800.00
39	Supplying and erecting decorative double arm bracket for 3/5 m decorative pole etc complete.	5	Nos	22000.00	110000.00
40	Supplying and erecting decorative single arm bracket for 7/8 m decorative pole etc complete.	1	Nos	19210.00	19210.00
41	Supplying and erecting decorative double arm bracket for 7/8 m decorative pole etc complete.	5	Nos	33500.00	167500.00
42	Supplying and erecting decorative integral post top lantern LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Nos	9975.00	9975.00
43	Supplying and erecting decorative integral post top lantern LED fixtures of 72 W consisting with accessories on provided pole /bracket	1	Nos	14000.00	14000.00
44	Supplying and erecting decorative integral hanging LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Nos	7100.00	7100.00
45	Supplying and erecting decorative integral hanging LED fixtures of 72 W consisting with accessories on provided pole /bracket	10	Nos	9700.00	97000.00
46	Supplying and erecting decorative integral hanging LED fixtures of 120 W consisting with accessories on provided pole /bracket	1	Nos	10940.00	10940.00
47	Making fabrication work using 16 gauge metal sheet including Iron work with bending, cutting, drilling and welding complete (PWD DSR 2023-24, 6-1-1).	100	Kg	261.00	26100.00

S. N	Item	Qty	Per	Rate	Amount
48	Dismantling the existing pole above 6 m height with brackets, clamps, insulators, stay from the c.c. foundation (PWD DSR 2023-24, 8-7-2)	1	Nos	1043.00	1043.00
				Total	3316665
				GST @18%	597000
				Total	3913665

Junior Engineer

Electrical Department

Deputy Engineer

Electrical Department

ABSTRACT

Name of work: Shifting of HT, LT lines and allied works of Chopada Lawns to Mumbai Naka, West division, NMC.

S. N	Item	Qty	Per	Rate	Amount
1	Providing and fixing inline cut point D. P. Structure for 11/0.415 kV, 200 KVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG with 4 Pole MCCB 400 Amps as incomer & 6 Nos. 200 Amps Kitkat / MCCB for out going circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min.176 Kg. iron work) with necessary clamps, Nut-bolts. V cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete. (PWD DSR 2023-24, 8-3-23)	10	Nos	167122.00	1671220.00
2	Providing and fixing 3 phase, 11/0.433 kV, 50 Hz., 200 kVA, Mineral oil immersed and naturally cooled outdoor type, aluminium wound Non-sealed transformer, delta/star connected with additional neutral brought out on load side, etc complete (PWD DSR 2023-24, 10-1-3).	1	Nos	308133.00	308133.00
3	Providing and fixing rolled steel joist (girder) pole 152 x 152 mm (37.1kg/m) with base plate in provided foundation (PWD DSR 2023-24, 8-1-15)	104	Mtr	2681.00	278824.00
4	Providing and fixing rolled steel joist (girder) pole 100 x 116 mm (23 kg/m) with base plate in provided foundation (PWD DSR 2023-24, 8-1-13)	683	Mtr	1840.00	1256720.00
5	Providing and fixing rolled steel joist (girder) pole 125 x 70 mm (13.3 kg/m) with base plate in provided foundation (PWD DSR 2023-24, 8-1-10)	80	Mtr	1164.00	93120.00
6	Providing and fixing G.I. stay set for poles, including loop insulators at inaccessible height with anchor plate 300x300x6 mm., straining screws, G.I. stay wire 7/8 SWG, G.I. stay rod 20mmx1.8m length and pole clamps duly erected in provided cement concrete foundation complete (PWD DSR 2023-24, 8-6-2)	15	Nos	2010.00	30150.00
7	Providing and fixing HT stay wire	225	Kg	150.00	33750.00

S. N	Item	Qty	Per	Rate	Amount
8	Making Cement concrete foundation including excavation (60 x 60)cm x deep 1/6 of pole length in 1:3:6 cement concrete 20 x 25 mm stone metal, 45cm x 45cm x 45cm/ 45cm dia. x 45cm height plinth duly plastered, with necessary curing and finishing complete. (for above 9m poles) (PWD DSR 2023-24, 16-3-4)	720	Nos	3536.00	2545920.00
9	Making Cement concrete foundation including excavation (60 x 60 x 150)cm deep in 1:3:6 cement concrete, (20 to 25) mm stone metal with necessary curing and finishing complete.(for stay). (PWD DSR 2023-24, 16-3-6)	15	Nos	2491.00	37365.00
10	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	5	Cub.M	11551.00	57755.00
11	Providing and fixing various channels, clamp, angle, flat etc fabrication works (PWD DSR 2023-24, 6-1-19)	800	Kg	196.00	156800.00
12	Providing and fixing disc type insulator 70 KN with necessary hardware suitable for 33kV line complete (PWD DSR 2023-24, 8-5-8)	8	Nos	2037.00	16296.00
13	Providing and fixing disc type insulator 45KN with necessary hardware suitable for 11kV line, complete (PWD DSR 2023-24, 8-5-6)	50	Nos	1255.00	62750.00
14	Providing and fixing pin type insulator with GI pin suitable for 33kV line, complete (PWD DSR 2023-24, 8-5-11)	19	Nos	889.00	16891.00
15	Providing and fixing porcelain pin type insulator with GI pin suitable for 11kV line, complete (PWD DSR 2023-24, 8-5-9)	129	Nos	313.00	40377.00
16	Providing and fixing approved make thyrite type lightning arrestor suitable for 33KV line	1	Sets	48750.00	48750.00
17	Providing and fixing approved make thyrite type lightning arrestor suitable for 11KV line (PWD Elec 2023-24, 8-5-15)	10	No	1347.00	13470.00
18	Providing and fixing isolator suitable for 33KV capacity	1	Nos	86400.00	86400.00
19	Providing and fixing air break switch without earth switch 11KV, 400A outdoor type gang operated air break, triple pole switch of required capacity complete (PWD DSR 2023-24, 10-5-2)	6	Nos	16128.00	96768.00

S. N	Item	Qty	Per	Rate	Amount
20	Providing and fixing 11 kV outdoor type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15A capacity complete erected on provided cross arm (PWD DSR 2023-24, 10-5-5)	1	No	6603.00	6603.00
21	Providing and fixing ACSR conductor of size - 6/1-4.72 mm (Dog) complete. (PWD DSR 2023-24, 8-4-11)	1.4	Km	97655.00	136717.00
22	Providing and fixing ACSR conductor of size - 6/1-4.09 mm (Raccon) complete (PWD DSR 2023-24, 8-4-10)	6.9	Km	77065.00	531748.50
23	Providing and fixing Nut bolts, hardware and Sundries, etc	10	Set	15000.00	150000.00
24	Providing and fixing extendable/non-extendable outdoor type 11 kV 630A, load break isolator switch, etc complete (PWD DSR 2023-24, 5-9-3)	1	Nos	152150.00	152150.00
25	Providing and fixing HT 11 kV 4 way feeder pillar.	1	Nos	82500.00	82500.00
26	Providing and fixing HT 33 kV 4 way feeder pillar.	1	Nos	225000.00	225000.00
27	Providing and fixing 11 kV HRC fuse 63A for load break switch with necessary nut bolts complete. (PWD DSR 2023-24, 5-9-10)	3	Nos	6077.00	18231.00
28	Dismantling the existing overhead line including G.I. wires of all sizes without damaging & making the coils in suitable sizes. (PWD DSR 2023-24, 8-7-3)	2.8	Km	1489.00	4169.20
29	Dismantling the existing lightening arrestor set, insulator from DP structure complete. (PWD DSR 2023-24, 8-7-4)	10	Nos	108.00	1080.00
30	Dismantling the existing DP, brackets, clamps, insulators, stay, transformer from the c.c. foundation (PWD DSR 2023-24, 8-7-2)	10	Nos	17500.00	175000.00
31	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 33 kV(E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe (PWD DSR 2023-24, 7-3-27)	90	Mtr	3991.00	359190.00
32	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe (PWD DSR 2023-24, 7-3-7)	150	Mtr	2764.00	414600.00
33	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 185 sq. mm. aluminium conductor laid in provided trench / pipe (PWD DSR 2023-24, 7-3-5)	50	Mtr	2008.00	100400.00
34	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 95 sq. mm. aluminium conductor laid in provided trench / pipe (PWD DSR 2023-24, 7-3-2)	50	Mtr	1354.00	67700.00
35	Providing and fixing Heat shrinkable straight through joint kit for 3 x 300sq.mm 33Kv (E) XLPE HT cable etc complete (PWD Elec 2023-24, 7-5-33)	2	Nos	92799.00	185598.00

S. N	Item	Qty	Per	Rate	Amount
36	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-11)	4	Nos	29627.00	118508.00
37	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-10)	1	Nos	26804.00	26804.00
38	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x up to 95 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-9)	1	Nos	22307.00	22307.00
39	Providing and fixing Heat shrinkable outdoor termination kit for 33kV (E) XLPE HT cable 3x300 sq. mm. to 400 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-29)	3	Nos	33057.00	99171.00
40	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-7)	10	Nos	14682.00	146820.00
41	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-6)	2	Nos	13197.00	26394.00
42	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x 95 sq. mm. with necessary material (PWD DSR 2023-24, 7-5-5)	2	Nos	13964.00	27928.00
43	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe (PWD DSR 2023-24, 7-1-28)	100	Mtr	183.00	18300.00
44	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-29)	100	Mtr	215.00	21500.00
45	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-16)	100	Mtr	297.00	29700.00
46	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-17)	100	Mtr	386.00	38600.00
47	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-18)	100	Mtr	499.00	49900.00

S. N	Item				
48	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 95 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-19)				
49	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-20)				
50	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-21)				
51	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-22)				
52	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 240 sq. mm. aluminium conductor complete (PWD DSR 2023-24, 7-1-23)				
53	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material (PWD DSR 2023-24, 7-4-1)				
54	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 25 to 50 sq mm., with necessary material (PWD DSR 2023-24, 7-4-2)				
55	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 70 to 95 sq mm., with necessary material (PWD DSR 2023-24, 7-4-3)				
56	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 185 sq mm., with necessary material (PWD DSR 2023-24, 7-4-4)				
57	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 240 sq mm., with necessary material (PWD DSR 2023-24, 7-4-5)	400	Mtr	674.00	269600.00
58	Providing and fixing G.I. pipe 'A' class 75 mm dia. for enclosing XLPE armoured cable on wall/pole (PWD DSR 2023-24, 7-6-4)	324	Mtr	545.00	176580.00
59	Providing and laying (including excavation) half round reinforced cement concrete pipe of NP-2 class of 150mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete. (PWD DSR 2023-24, 7-6-6)				

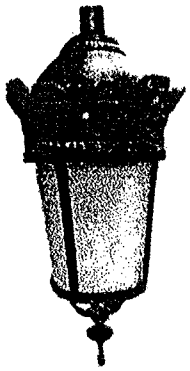
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Junior Engineer
Electrical Department

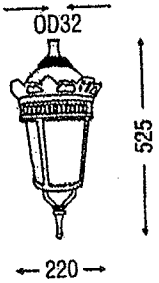
Deputy Engineer
Electrical Department

VSTP® DECORATIVE DROP DOWN LED LUMINAIRES

VSTP DL - 01



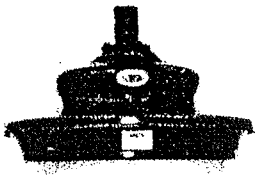
Cat No.	Wattage	CCT	Price (₹)
VSTP DL 01	B22-12 Watt	3000K - 6500K	5390/-
	30 Watt		6440/-
	40 Watt		6545/-
	50 Watt		6650/-
	60 Watt		6755/-



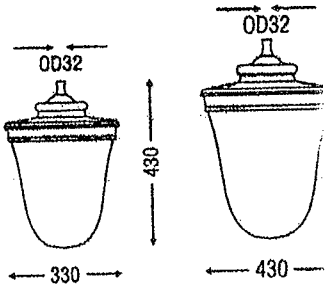
Features:

- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Input Voltage: AC 100~270 volts / 50Hz
- Efficacy: > 110 Lumens/Watt
- IP65 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 02



Cat No.	Wattage	Price (₹)	CCT	Wattage	Price (₹)
VSTP DL 02 (S)	30 Watt		3000K - 6500K		6240/-
	40 Watt				6350/-
	50 Watt				6460/-
	Wattage	Price (₹)		Wattage	Price (₹)
VSTP DL02 (B)	50 Watt	10270/-		80 Watt	10460/-
	60 Watt	10400/-		90 Watt	12100/-
	72 Watt	11315/-		120 Watt	14550/-



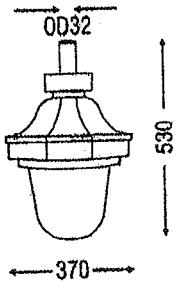
Features:

- Aluminum Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP66 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 03



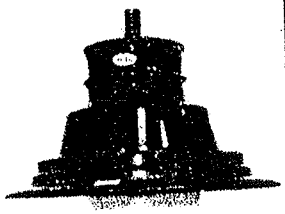
Cat No.	Wattage	CCT	Price (₹)
VSTP DL 03	50 Watt	3000K - 6500K	10530/-
	60 Watt		10620/-
	72 Watt		11196/-
	80 Watt		11340/-
	90 Watt		11920/-
	100 Watt		13200/-
	120 Watt		14100/-



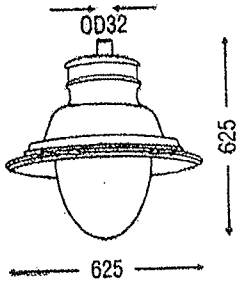
Features:

- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP65 Ingress Pr
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 04



Cat No.	Wattage	CCT	Price (₹)
VSTP DL 04	60 Watt	3000K - 6500K	9320/-
	72 Watt		9700/-
	80 Watt		10050/-
	90 Watt		10625/-
	100 Watt		10780/-
	120 Watt		10940/-



Features:

- Aluminum Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP66 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VIPIN S.T. POLES PVT. LTD. E-mail: info@vsphighma

*All Dimensions are in MM **Dimension Toleran

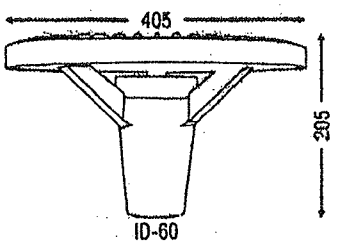
DECORATIVE POST TOP LED LUMINAIRES

VSTP®

VSTP PT - 10

Cat No.	Wattage	CCT	Price (₹)
VSTP PT 10	30 Watt	3000K - 6500K	11375/-
	40 Watt		11550/-
	50 Watt		11725/-
	60 Watt		11865/-

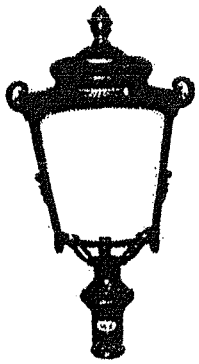




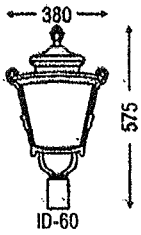
Features:

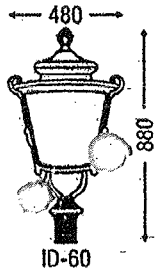
- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Input Voltage: AC 100~270 volts / 50Hz
- Efficacy: > 110 Lumens/Watt
- IP66 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP PT - 11



Cat No.	Wattage		CCT	Price (₹)	
VSTP PT 11(S)	30 Watt		3000K - 6500K	9765/-	
	40 Watt			9870/-	
	50 Watt			9975/-	
	Wattage	Price (₹)		Wattage	Price (₹)
VSTP PT 17 (B)	50 Watt	13475/-		90 Watt	14700/-
	60 Watt	13685/-		100 Watt	14805/-
	72 Watt	14455/-		120 Watt	14910/-
	80 Watt	14560/-			

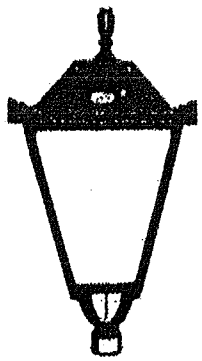




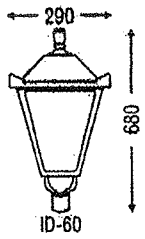
Features:

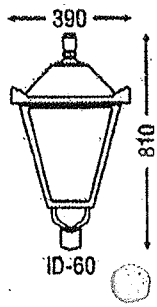
- Aluminum Die Cast & Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Color Rendering Index >70 • Power Factor >0.90
- IP66 Ingress Protection • Efficacy: > 110 Lumens/Watt
- Input Voltage: AC 100~270 volts / 50Hz

VSTP PT - 12



Cat No.	Wattage		CCT	Price (₹)	
VSTP PT 12 (S)	30 Watt		3000K - 6500K	9800/-	
	40 Watt			9905/-	
	50 Watt			9975/-	
	Wattage	Price (₹)		Wattage	Price (₹)
VSTP PT 12 (B)	50 Watt	13825/-		90 Watt	14980/-
	60 Watt	13930/-		100 Watt	15085/-
	72 Watt	14700/-		120 Watt	15190/-
	80 Watt	14805/-			

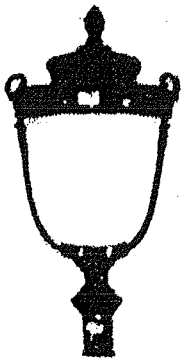




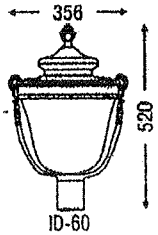
Features:

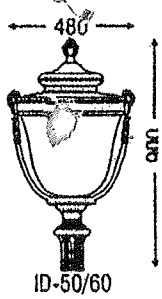
- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Input Voltage: AC 100~270 volts / 50Hz
- Efficacy: > 110 Lumens/Watt • IP65 Ingress Protection
- Power Factor >0.90 • Color Rendering Index >70

VSTP PT - 13



Cat No.	Wattage		CCT	Price (₹)	
VSTP PT 13 (S)	30 Watt		3000K - 6500K	9765/-	
	40 Watt			9870/-	
	50 Watt			9975/-	
	Wattage	Price (₹)		Wattage	Price (₹)
VSTP PT 16 (B)	50 Watt	13125/-		90 Watt	14280/-
	60 Watt	13230/-		100 Watt	14385/-
	72 Watt	14000/-		120 Watt	14490/-
	80 Watt	14105/-			





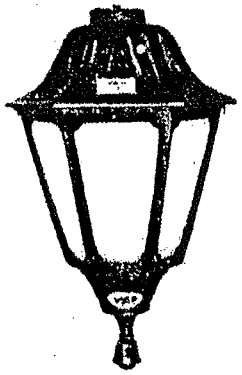
Features:

- Aluminum Die Cast & Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Input Voltage: AC 100~270 volts / 50Hz
- Efficacy: > 110 Lumens/Watt • IP66 Ingress Protection
- Power Factor >0.90 • Color Rendering Index >70

*All Dimensions are in MM **Dimension Tolerance: +/- 5%

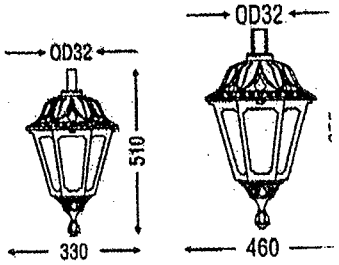
VSTP® DECORATIVE DROP DOWN LED LUMINAIRES

VSTP DL - 09



Cat No.	Wattage	CCT	Price (₹)
VSTP DL 09 (S)	30 Watt	3000K - 6500K	6720/-
	40 Watt		6930/-
	50 Watt		7455/-

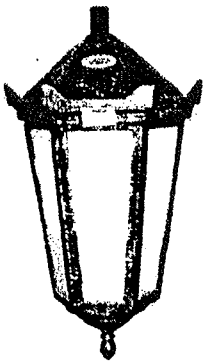
	Wattage	Price (₹)	Wattage	Price (₹)
VSTP DL 09 (B)	50 Watt	12075/-	80 Watt	12800/-
	60 Watt	12280/-	90 Watt	13400/-
	72 Watt	12600/-	120 Watt	14800/-



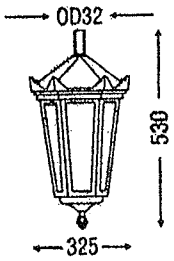
Features:

- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Internal surge protection upto 6 KVA
- Input Voltage: AC 100~270 volts / 50Hz
- Efficacy: > 110 Lumens/Watt
- IP65 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 10



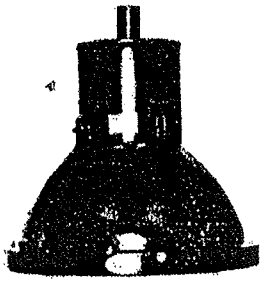
Cat No.	Wattage	CCT	Price (₹)
VSTP DL 10	B22-12 Watt	3000K - 6500K	6300/-
	30 Watt		6685/-
	40 Watt		6860/-
	50 Watt		7035/-
	60 Watt		7175/-



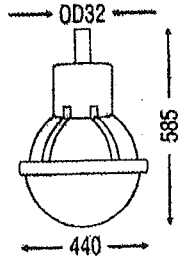
Features:

- Aluminum Die Cast Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP65 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 11



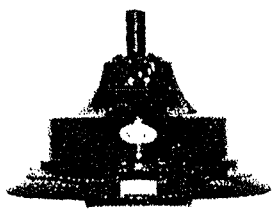
Cat No.	Wattage	Price (₹)	CCT	Wattage	Price (₹)
VSTP DL 11	50 Watt	14820/-	3000K - 6500K	90 Watt	15800/-
	60 Watt	14875/-		100 Watt	15900/-
	72 Watt	15100/-		120 Watt	16685/-
	80 Watt	15250/-			



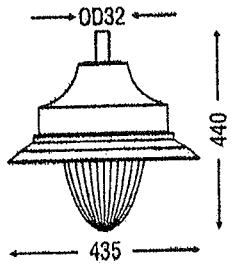
Features:

- Aluminum Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP66 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

VSTP DL - 12



Cat No.	Wattage	CCT	Price (₹)
VSTP DL 12	30 Watt	3000K - 6500K	6720-
	40 Watt		6880/-
	50 Watt		7100/-
	60 Watt		7300/-



Features:

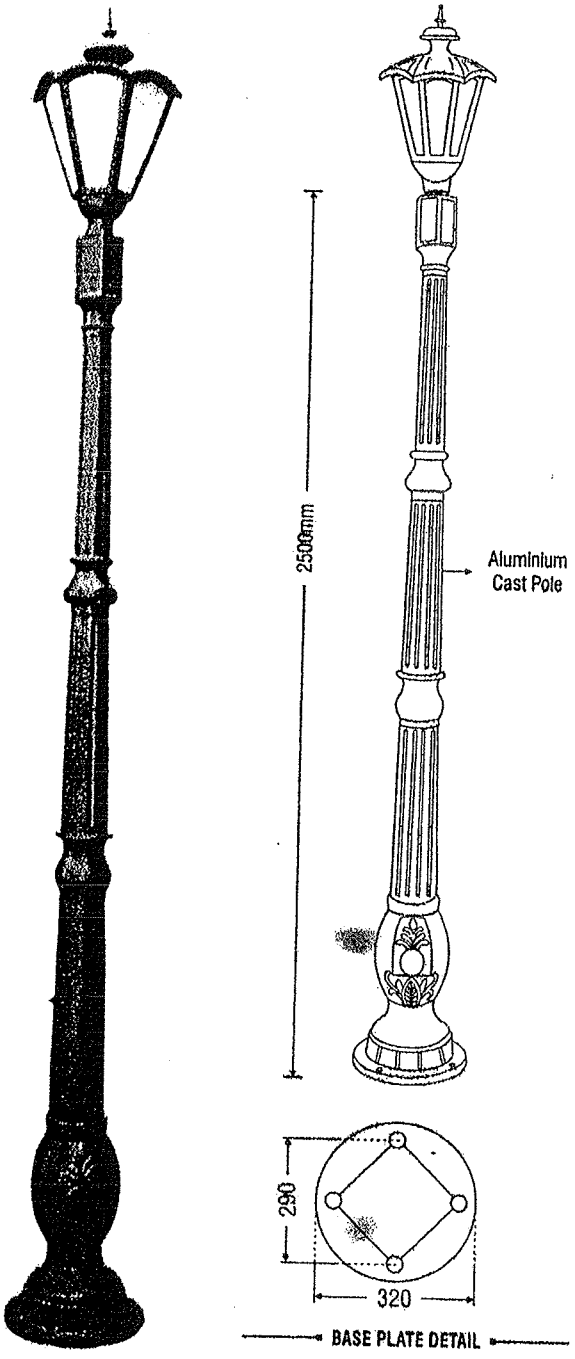
- Aluminum Spun Housing
- Poly Carbonate Diffuser for Uniform Light Distribution
- Waterproof Potted Driver with 80% efficiency
- Input Voltage: AC 100~270 volts / 50Hz
- Internal surge protection upto 6 KVA
- Efficacy: > 110 Lumens/Watt
- IP66 Ingress Protection
- Power Factor >0.90
- Color Rendering Index >70

*All Dimensions are in MM **Dimension Tolerance

DECORATIVE POLES

VSTP®

VSTP-09A



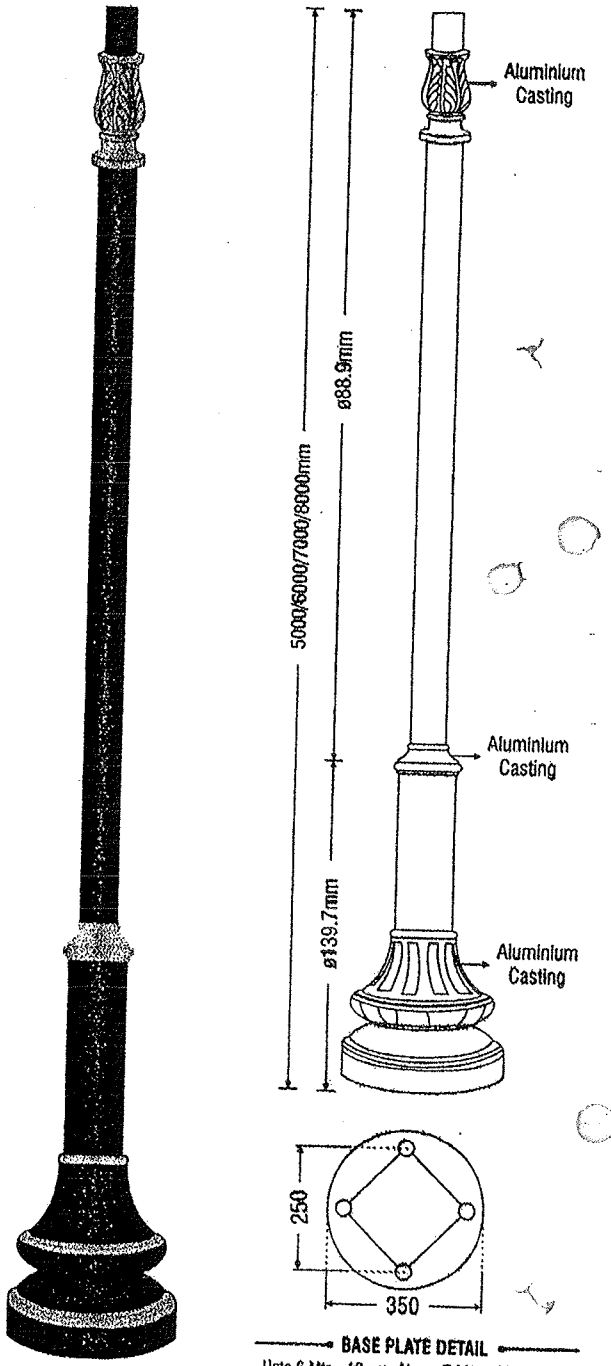
BASE PLATE DETAIL

Cat No.	Height (mm)	Price (₹)
VSTP DP-09A-25S	2500	33370/-
VSTP DP-09A-25D	2500	38075/-
VSTP DP-09A-25T	2500	42800/-

(Without LED Light)

VSTP - Decorative Poles made out of Aluminium Cast & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation Bolts.

VSTP-10A



BASE PLATE DETAIL

Upto 6 Mtr. - 12mm, Above 7 Mtr. - 16mm Thk.

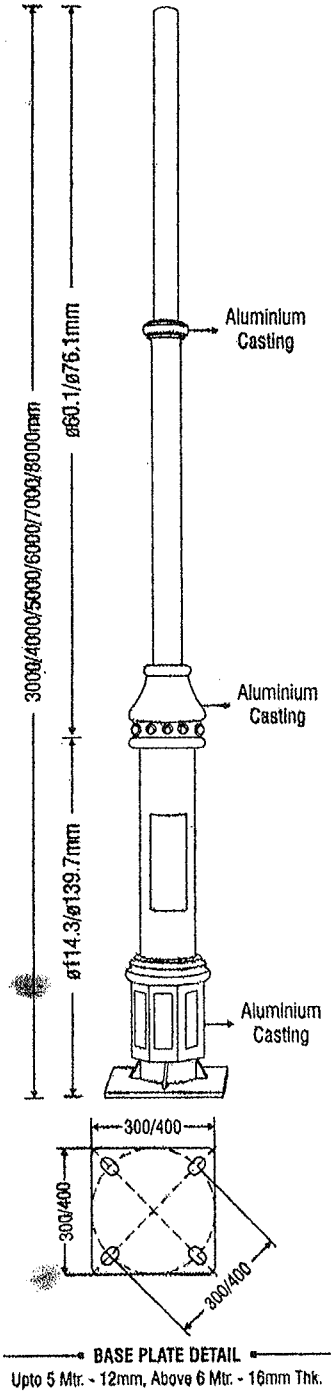
Cat No.	Height (mm)	Price (₹)
VSTP DP-10A-50	5000	50000/-
VSTP DP-10A-60	6000	54250/-
VSTP DP-10A-70	7000	55100/-
VSTP DP-10A-80	8000	59330/-

VSTP - Decorative Poles made out of G.I. pipe, complete with Aluminium Cast & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation Bolts.

*All Dimensions are in MM

VSTP-23





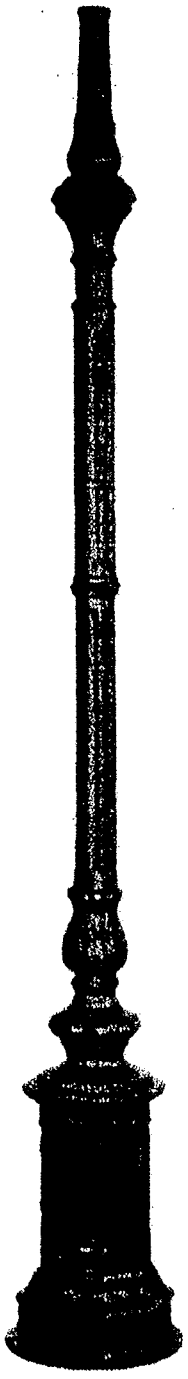
BASE PLATE DETAIL

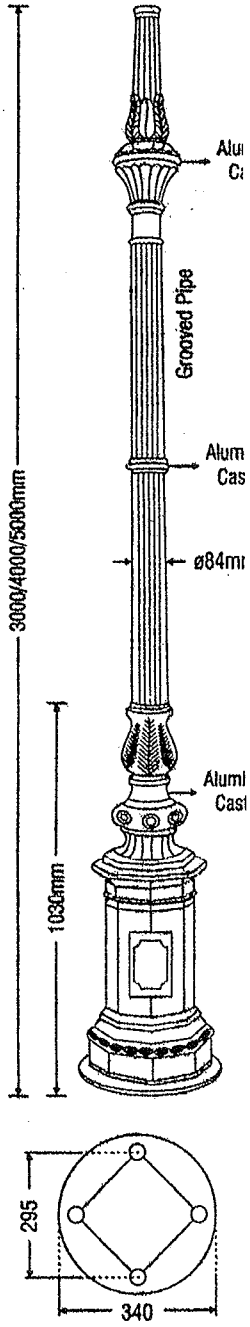
Upto 5 Mtr. - 12mm, Above 6 Mtr. - 16mm Thk.

Cat No.	Height (mm)	Price (₹)
VSTP DP-23-30	3000	24500/-
VSTP DP-23-40	4000	27400/-
VSTP DP-23-50	5000	31600/-
VSTP DP-23-60	6000	38740/-
VSTP DP-23-70	7000	43000/-
VSTP DP-23-80	8000	50800/-

VSTP - Decorative Poles made out of G.I. pipe,
complete with Aluminium Cast & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation Bolts.

VSTP-24





BASE PLATE DETAIL

Upto 5 Mtr. - 12mm Thk.

Cat No.	Height (mm)	Price (₹)
VSTP DP-24-30	3000	45980/-
VSTP DP-24-40	4000	51540/-
VSTP DP-24-50	5000	54650/-

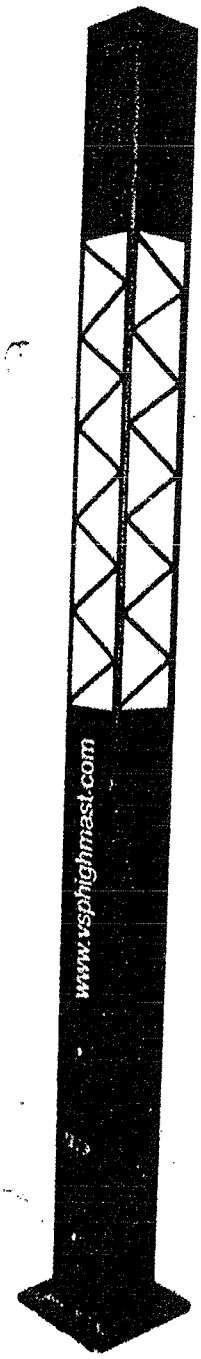
VSTP - Decorative Poles made out of G.I. pipe,
complete with Aluminium Cast & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation

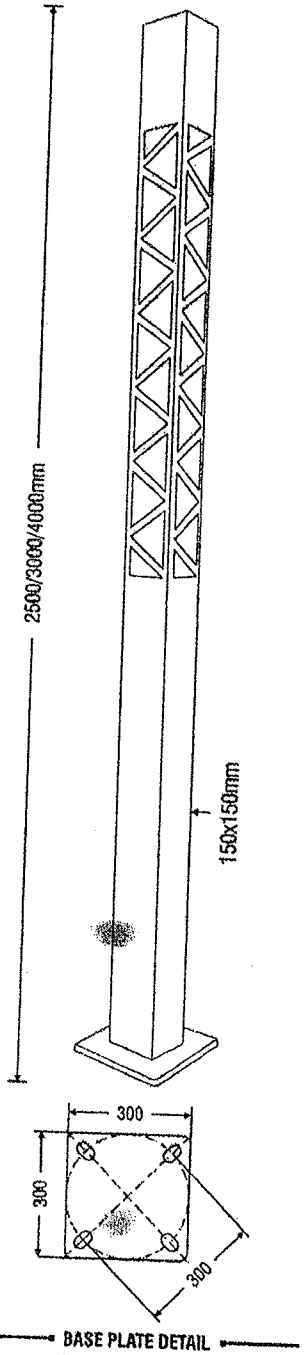
*All Dimensions

DECORATIVE POLES

VSTP®

VSTP-49





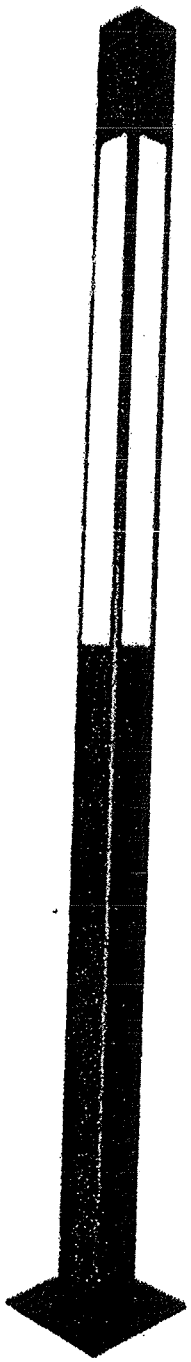
BASE PLATE DETAIL
Upto 5 Mtr. - 12mm Thk.

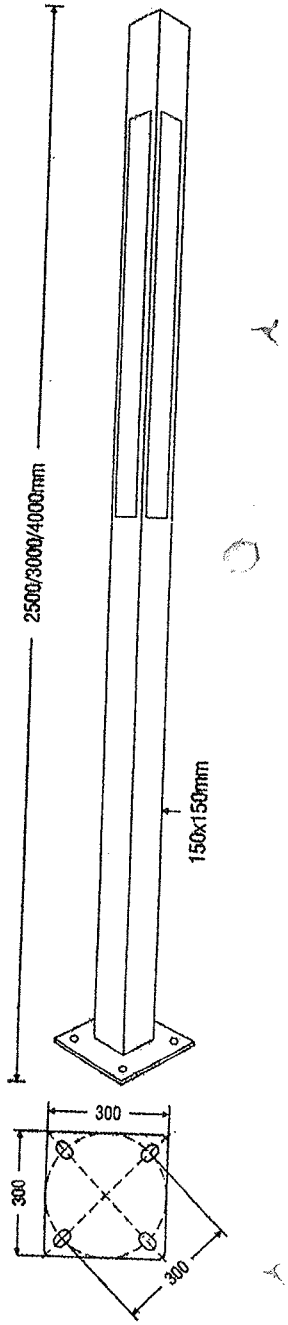
Cat No.	Height (mm)	Price (₹)
VSTP DP-49-25	2500	28300/-
VSTP DP-49-30	3000	32400/-
VSTP DP-49-40	4000	39000/-

(with LED Light)

VSTP - Decorative Poles made out of G.I. Tube & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation Bolts.

VSTP-50



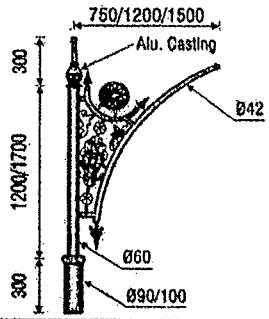


BASE PLATE DETAIL
Upto 5 Mtr. - 12mm Thk.

Cat No.	Height (mm)	Price (₹)
VSTP DP-50-25	2500	22760/-
VSTP DP-50-30	3000	25070/-
VSTP DP-50-40	4000	29990/-

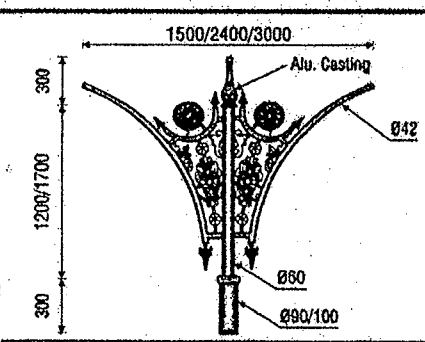
(with LED Light)

VSTP - Decorative Poles made out of G.I. Tube & duly Polyurethane Painted.
Accessories Included: Electric Cable, Bakelite Sheet, MCB & Foundation Bolts.



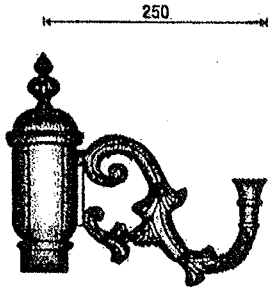
Cat No.	Price (₹)
VSTP-B022-15751	18500/-
VSTP-B022-201201	18850/-
VSTP-B022-201501	19210/-

VSTP-B022



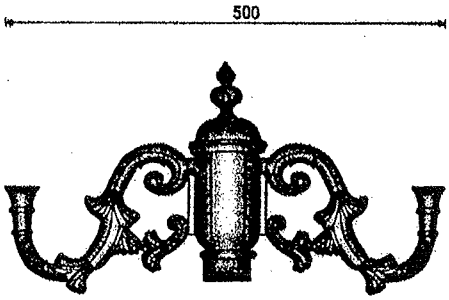
Cat No.	Price (₹)
VSTP-B022-151502	31650/-
VSTP-B022-202402	32200/-
VSTP-B022-203002	33500/-

VSTP-B022



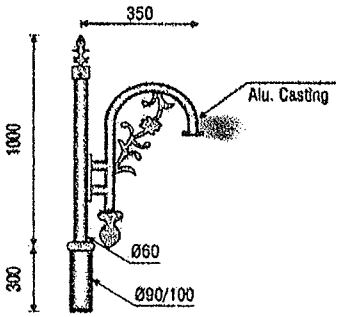
Cat No.	Price (₹)
VSTP-B023-251	8540/-

VSTP-B023



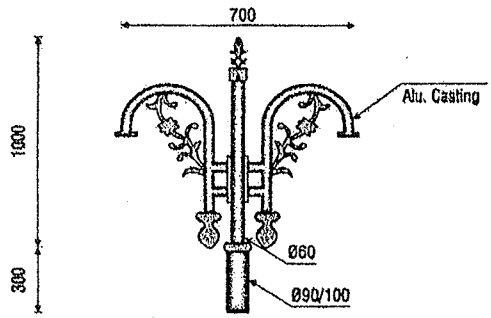
Cat No.	Price (₹)
VSTP-B023-502	12500/-

VSTP-B023



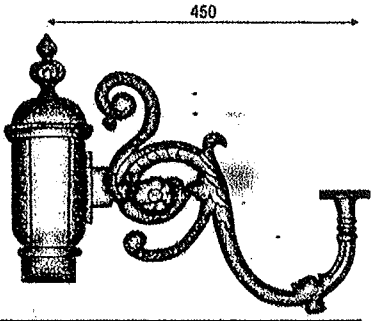
Cat No.	Price (₹)
VSTP-B024-10351	7900/-

VSTP-B024



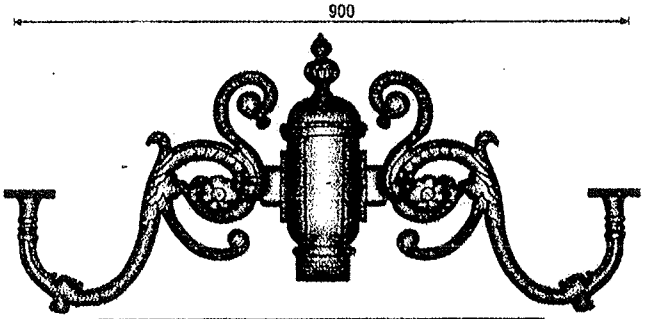
Cat No.	Price (₹)
VSTP-B024-10702	11400/-

VSTP-B024



Cat No.	Price (₹)
VSTP-B025-451	9640/-

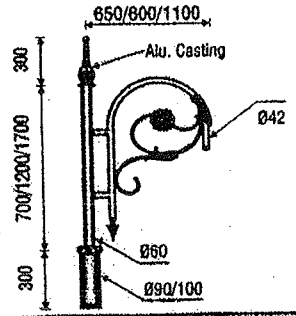
VSTP-B025



Cat No.	Price (₹)
VSTP-B025-902	14690/-

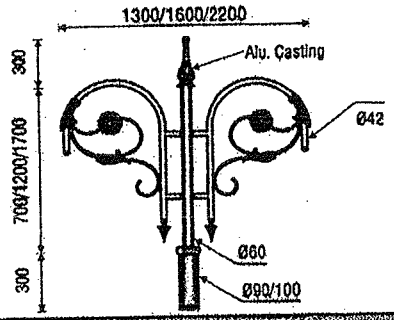
VSTP-B025

*All Dimensions are in MM



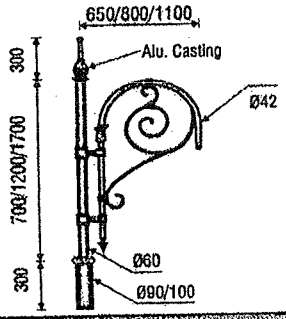
Cat No.	Price (₹)
VSTP-B035-10651	12040/-
VSTP-B035-15801	13650/-
VSTP-B035-201101	14800/-

VSTP-B035



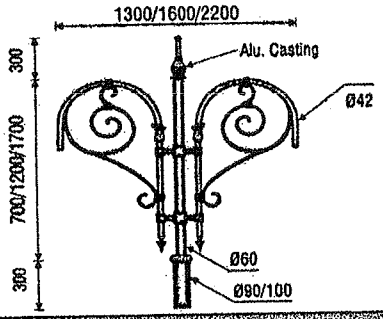
Cat No.	Price (₹)
VSTP-B035-101302	19200/-
VSTP-B035-151602	20900/-
VSTP-B035-202202	22000/-

VSTP-B035



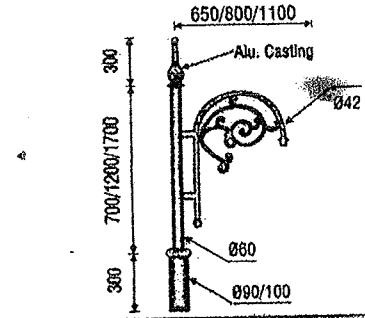
Cat No.	Price (₹)
VSTP-B036-10651	11650/-
VSTP-B036-15801	13100/-
VSTP-B036-201101	14100/-

VSTP-B036



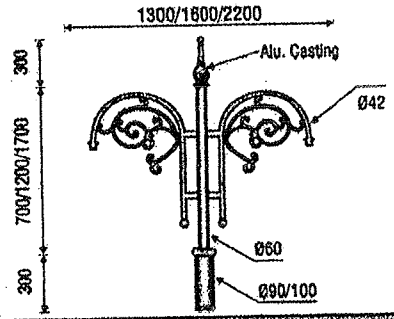
Cat No.	Price (₹)
VSTP-B036-101302	18070/-
VSTP-B036-151602	19800/-
VSTP-B036-202202	21200/-

VSTP-B036



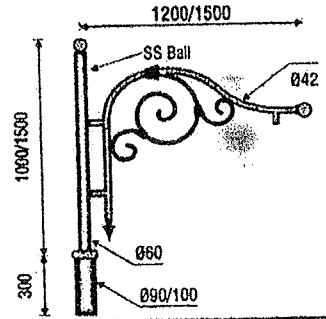
Cat No.	Price (₹)
VSTP-B037-10651	15090/-
VSTP-B037-15801	16525/-
VSTP-B037-201101	17400/-

VSTP-B037



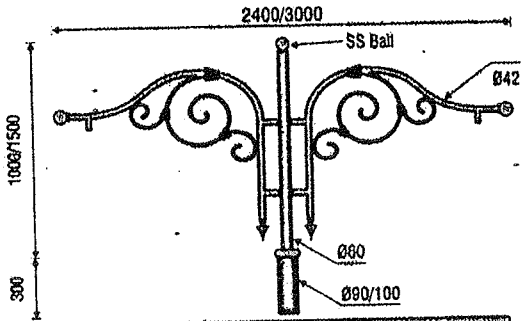
Cat No.	Price (₹)
VSTP-B037-101302	20360/-
VSTP-B037-151602	21500/-
VSTP-B037-202202	23100/-

VSTP-B037



Cat No.	Price (₹)
VSTP-B038-101201	9875/-
VSTP-B038-151201	11400/-
VSTP-B038-151501	12900/-

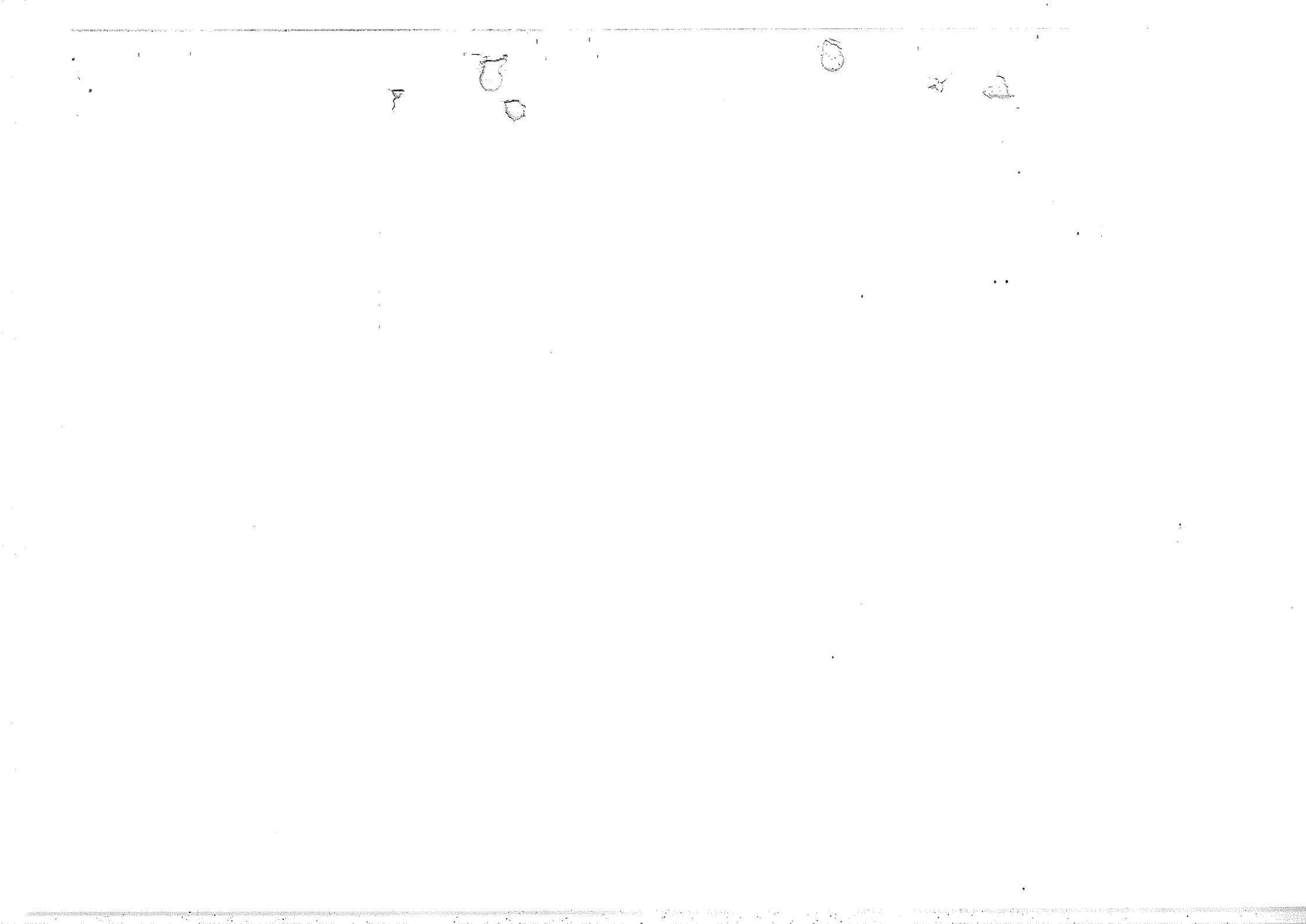
VSTP-B038



Cat No.	Price (₹)
VSTP-B038-102402	15250/-
VSTP-B038-152402	17275/-
VSTP-B038-153002	18850/-

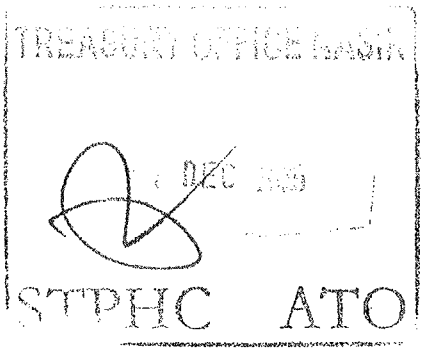
VSTP-B038

*All Dimensions are in MM





महाराष्ट्र MAHARASHTRA ◐ 2024 ◐ DM 989697



AGREEMENT

for

Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Between

NASHIK MUNICIPAL CORPORATION (NMC)

Tilak Wadi, Jejurkar Wadi, Sharanpur, Nashik, Maharashtra 422002

and

M/s. Anand Construwell Pvt. Ltd. , Nashik.

जोडपत्र-2

दस्ताचा प्रकार/ अनुच्छेद क्र. : टेंडर

दस्त नोंदणी करणार आहेत का : होय/नाही

असल्यास दुय्यम निबंधक कार्यालयाचे नांव : ----------

मिळकतीचे वर्णन: ----------

मोबदला रक्कम : मुद्रांक शुल्क रक्कम :

मुद्रांक विकत घेणाऱ्याचे नांव व पत्ता : ----------

आनंद कन्स्ट्रुवेल प्रा.लि.

रामचंद्र अपार्टमेंट मखमलाबाद नाका पंचवटी

दुसऱ्या पक्षकाराचे नांव : ----------

नासिक

हस्ते असल्यास नांव : म न पा /सां.बा.

नासिक

शंकर गिते

मुद्रांक विक्री नोंदवही अनुक्रमांक व दिनांक :

मुद्रांक विकत घेणाऱ्याची सही :

२०४०७/ १०.१२.२०२५

परवाना क्रमांक -87/195/26

नाशिक

ज्या कारणासाठी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून सहा महिन्यात वापरणे बंधनकारक आहे.

AGREEMENT

This AGREEMENT (hereinafter called "the **Agreement**") is made on the 12 day of the month of December, 2025, between, on the one hand, the **Nashik Municipal Corporation (NMC)** acting through **Executive Engineer, Nashik Municipal Corporation** (Hereinafter called "the **Authority**" which expression shall include its respective successors and permitted assignees, unless the context otherwise requires) and, on the other hand **M/s. Anand Construwell Pvt. Ltd. , Nashik.** having its registered office at Ramchandra Apartment, Opp. NMC, Panchvati Divisional Office, Makhamalabad Naka, Panchavati, Nashik-3 (hereinafter called "**the Contractor**" which expression shall include their respective successors and permitted assignees).

WHEREAS

1. As the said work is at the top priority considering the upcoming Kumbhmela 2027 and shall be funded by Nashik-Trimbakeshwar Kumbh Mela 2027 Nidhi and shall be rooted through Nashik-Trimbakeshwar Kumbhmela Pradhikaran (NTKMA). NTKMA has granted Administrative Approval to the expenditure of this work on 14/09/2025. The conditions mentioned in the administrative approval from Nashik-Trimbakeshwar Kumbhamela Pradhikarn dated 14/09/2025 are part and parcel of this agreement and binding on both the parties.
2. The Authority has invited sealed tender in B-1 form, vide Tender Notice No.3 dated 22/09/2025, published in daily newspapers Hindustan Times, Times of India, Navbharat, Lokmat,Sakal, Punyanagari, Divymarath, Pratakal and on the Maharashtra e-tender portal, from the companies/contractors fulfilling the terms and conditions of tender document with experience of similar type of works for **'Development of road from, KTHM College Bridge to OldGangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)'**
3. The work invited was for **'Development of road from, KTHM College Bridge to OldGangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)''** with an estimated cost of ₹.48,08,09,407/-
4. The date of issue of blank tender form was from 25/09/2025 to 10/10/2025. The pre-bid meeting for the same was held on 01/10/2025, common set of deviation and minutes of meeting with addendum was published on Maharashtra e-tender portal and , the date of submission of bids was extended to 17/10/2025 & 24/10/2025.

   Total 2 bids have been received during the specified period, out of which 1 were technically qualified. Tender Evaluation Committee of NMC decided to open the financial bids of the technically qualified bidders, which were opened on 12/11/2025. The offer of **M/s. Anand Construwell Pvt. Ltd. , Nashik.** of 7.29% below the estimated cost was found to be the lowest. As per Clause No. XX of the tender, a negotiation letter No.229 dated 12/11/2025 was issued for further negotiation by NMC, initially M/s. Anand Construwell Pvt. Ltd. , Nashik. expressed their inability for negotiation through a letter with inward no 436 dated 13/11/2025 however, later submitted a revised negotiated offer of 7.50% below the estimated cost through a letter inward no. Dated-

6. NMC issued a letter to **M/s. Anand Construwell Pvt. Ltd. , Nashik.** for submission of Performance Security Deposit as per clause no.13 of the Tender , **M/s. Anand Construwell Pvt. Ltd. , Nashik.** complied with a Bank Guarantee of Rs- 48,10,,000/- from Nationalized Bank – Bank of Baroda, Nashik branch, with Fixed Deposit / Bank Guarantee Reference No.0997133 , dated 20/11/2025 valid for 07/02/2027 with a validity of 18 months from the date of issuance complying with clause 13-b of detailed tender notice.
7. The proposal is then forwarded for further approval to Standing Committee of Nashik Municipal Corporation; grated approval vide SCR no 464 Dated 12/12/2025.

Security Deposit

The Contractor undertakes to execute the said work with due reliability, maintaining the required quality and standards, and to complete the work within the stipulated time period.

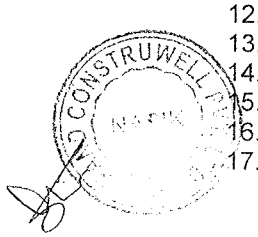
As per the approval of Standing Committee **M/s. Anand Construwell Pvt. Ltd. , Nashik.** submitted a Term Deposit of Rs 22,32,000/- from Bank of Baroda , Nahik , as compliance to the details mentioned in the MEMORANDUM Towards Security Deposit, the Contractor has agreed to deposit 1.00% of the accepted contract amount (₹.44,64,000/-), out of which:

1. 0.50% amounting to ₹ 22,32,000/- has been deposited through F.D. No. 0997134 dated 15/12/2025, and
2. The remaining 0.50% amounting to ₹ 22,32,000/- shall be recovered at the rate of 1% from the Contractor's running bills, till full recovery of total 1% security deposit amount.
3. The contractor has submitted a Performance Bank Guarantee / Fixed Deposit dated 10/11/2025 valid for 18 months after the end of contract issued by Bank of Baroda, Nashik branch for INR 48,10,000/- with reference no. No. 0997133 , dated 20/11/2025 Valid upto 07/03/2027 this date.
4. The total contract/agreement period shall be 18 Months effective from 12/12/2025 (date).

Contract Documents

The following documents shall form an integral and binding part of this Agreement:

1. Tender Notice No 03 Dated 22/09/2025.
2. Detailed Tender Notice and Addenda,
3. Complete tender set including Tender Form (B-1),Price Variation Clause, Star Rate clause, Arbitration Clause, Clause 38 of GCC.Schedule–B and its supplementary terms,
4. Common Set of Deviation dated 10/10/2025
5. Technical and Financial Proposal
6. Negotiation letter and its response by the bidder
7. Performance Security Deposit
8. Standing Committee Resolution No 464 Dated.12/12/2025.
9. Initial security Deposit
10. Administrative Approval from Nashik Trimabakeshwar Kembhmela Pradhikaran vide letter Dated -14/09/2025.
11. The declaration by the bidder
12. The proforma agreeing to the General Conditions of Contract
13. General Specifications,
14. MORTH Specifications for additional works,
15. Special Conditions,
16. Contractor's Guarantee and Declaration,
17. Work Order,



18. Approved Drawings and any revised drawings issued by the Municipal Corporation from time to time.

The Contractor agrees to execute the entire work in conformity with the above documents, the directions of the City Engineer, and as per the approved specifications. Any increase or decrease in quantities shall be carried out as per revised drawings and measurements.

The Contractor shall maintain the required quality and shall complete the entire work within 18 months from the date of issue of Work Order.

Payment

NMC shall make payments to the Contractor from time to time for the work done, subject to quality and satisfactory execution, in accordance with the terms and conditions of the Agreement, and as per the compliance from contractor to the satisfaction of NMC and NTKMA..

1. The mutual rights and obligations of the Client and the Contractor shall as set forth in the Contract, in particular:

i. The contractor shall carry out the work in accordance with the provisions of the Contract, and

ii. The Client shall make payments to the Contract in accordance with the provisions of the Contract

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be signed and sealed in their respective names as of the day and year first above written.

On behalf of the M/s. Anand Construwell Pvt. Ltd. , Nashik.	**On behalf of Authority**
Owner/ Proprietor of M/s. Anand Construwell Pvt. Ltd. , Nashik.	**Executive Engineer, Nashik Municipal Corporation**

This Agreement is executed between Nashik Municipal Corporation (hereinafter referred to as the "Corporation") and **M/s. Anand Construwell Pvt. Ltd. , Nashik.** (hereinafter referred to as the "Contractor"), and has been sealed with the official seal of the Corporation in the presence of:

- _____ (Deputy Commissioner , NMC)
- _____ (Deputy Commissioner , NMC)

For and on behalf of Nashik Municipal Corporation

Executive Engineer,(NMC)

Signature of Contractor

महाराष्ट्र शासन
GOVERNMENT OF MAHARASHTRA
ई-सुरक्षित बँक व कोषागार पावती
e-SECURED BANK & TREASURY RECEIPT (e-SBTR)

14061098939425

Bank/Branch: PNB/NASIK SHARANPUR RD (3762)

Pmt Txn id : 151225M1145541
Pmt DtTime : 15-12-2025@02:53:35
ChallanIdNo: 03006172025121550223
District : 5101/NASHIK

Stationery No: 14061098939425
Print DtTime: 15-12-2025@16:25:53
GRAS GRN : MH013479776202526S
Office Name : IGR313/NSK3_NASHIK 3 JOIN

StDuty Schm: 0030046401-75/Sale of Other NonJudicial Stamps SoS
StDuty Amt : R 13,37,500/-(Rs One Three, Three Seven, Five Zero Zero only)

RgnFee Schm:
RgnFee Amt :

Article : 63/Work Contract
Prop Mvblty: Immovable
Consideration: R 44,63,00,000/-
Prop Descr : DEVELOPMENT ROAD,KTHM CLG BRIDGE,SHARANPUR POLICE,CHOWKI, BOSH MICC IRCLE MAHAMARGBUS STAND,NASHIK,Maharashtra

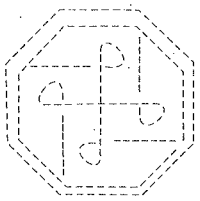
Duty Payer: (PAN-AAFCA7736H) ANAND CONSTRUWELL PVT LTD
Other Party: (PAN-AAALN0085E) NASHIK MUNICIPAL CORPORATION NASHIK

Bank official1 Name & Signature

Bank official2 Name & Signature

--- --- Space for customer/office use - - - Please write below this line --- ---

e-SBTR IS VALID UPTO SIX MONTHS FROM THE DATE OF PAYMENT.





महाराष्ट्र MAHARASHTRA ◐ 2024 ◐ 40AB 839652

NOTARY * LATISH S. UPASANI AREA- NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 * GOVERNMENT OF INDIA NOTARIAL NOTARIAL

NOTARIAL

NOTARY * LATISH S. UPASANI AREA- NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 * GOVERNMENT OF INDIA NOTARIAL NOTARIAL

TREASURY OFFICE NASIK

20 MAY 2025

STAMP ATO

AFFIDAVIT

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9
Tender Notice No.03/09 (2025-26)

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

Cont....

This Document Noted at SR.No. 7335
and Contained 02 Pages
Dated 15/10/2025

LATISH S. UPASANI
ADVOCATE & NOTARY

जोडपत्र क्र. २

दस्ताचा प्रकार / अनुच्छेद	६३२
दस्त नोंदणी करणार आहात का?	-
नोंदणी होणार असल्यास दुय्यम निबंधक कार्यालयाचेनाव	-
मिळकतीचे वर्णन	-
मोबदला	
मुद्रांक विकत घेणाराचे नाव	ANAND CONSTROWELL PVT. LTD. Add.:- Ramchandra Apartment Makhamalabad Naka, Panchaveti, Nasik - 3.
दुसऱ्या पक्षकाराचे नाव	म.न.पा. नाशिक
हस्ते असल्यास त्याचा नाव व पत्ता	शंकर शिंदे पंचवटी नाशिक
मुद्रांक शुल्क रक्कम	१०० (४८००)
मुद्रांक विक्री नोंद वही क्रमांक वदिनांक	५१४९ — ०९/१०/२०२५
मुद्रांक विकत घेणाराची सही	
परवानाधारक मुद्रांक विक्रेत्याची सही व परवाना क्रमांक तसेच मुद्रांक विक्रीचे ठिकाण / पत्ता	संजय मुरलीधर गांगुर्डे मुद्रांक विक्रेता (परवाना क्र.८३/२००१) गुरुकृपा,शिवाजी रोड, सी बी एस, नाशिक

LATISH
ADVOCA

NOTARY
LATISH
S. UPASANI
AREA-NASHIK DIST.
(MAHARASHTRA)
REG. No. 6963
EXPIRY DATE
14/10/2028
GOVERNMENT OF INDIA

2. The undersigned also hereby certifies that neither our firm **Anand Construwell Pvt. Ltd. Nashik** have abandoned any work on Building/Bridges/Roads etc. nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.

3. The undersigned hereby authorize (s) and request (s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

4. The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department, Project implementing agency.

Anand Construwell Pvt. Ltd.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Director

S. UPASANI
TE & NOTARY

IDENTIFIED BY

NOTARY * GOVERNMENT OF INDIA * LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028

BEFORE ME
15/10/25
LATISH SUBHASH UPASANI
Advocate & Notary Govt. of India
Chember No. 303, Maruti Chembers,
District Court, Nashik (Maharashtra)

1216



महाराष्ट्र MAHARASHTRA ~~© 2024 ©~~ DB 105220

NOTARY LATISH S. UPASANI AREA- NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 NOTARIAL GOVERNMENT OF INDIA

TREASURY OFFICE NASIK 18 JUN 2025 STAMP VENDOR

ANNEXURE-I

Affidavit

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9

Tender Notice No.03/09 (2025-26)

I Shri. Navinchandra Premchand Chokasi age, 77 years address Ramchandra Apartment, Makhamalabad Naka, Panchavati, Nashik - 422003, hereby submit, vide this affidavit in truth, that I am the Director of the contracting firm Anand Construwell Pvt. Ltd. Nashik /authorized signatory and I am submitting the document in envelope no.1 for the purpose of scrutiny of the contract. I hereby agree to the condition mentioned below:-

This Document Noted at SR.No. 7854 Pages 02 and Contained ..... Dated 15/10/2025

Cont....

LATISH S. UPASANI ADVOCATE & NOTARY

जोडपत्र -२

टेंडर

दस्ताचा प्रकार/ अनुच्छेद क्र. : ----------

दस्त नोंदणी करणार/आहेत का होय/नाही

असल्यास दुय्यम निबंधक कार्यालयाचे नांव: ----------

मिळकतीचे वर्णन : ----------

मोबदला रक्कम : मुद्रांक शुल्क रक्कम :

मुद्रांक विकत घेणाऱ्याचे नांव व पत्ता ---------- आनंद कन्स्ट्रुवेल प्रा. लि.,

---

रामचद्र अपार्टमेंट, पंचवटी,

नाशिक

दुसऱ्या पक्षकाराचे नांव व पत्ता ----------

मनपा नाशिक

नाशिक

शंकर गिते

हस्ते असल्यास नाव व पत्ता : ----------

01.07.2025 - 9435

मुद्रांक विक्री नोंदवही अनुक्रमांक व दिनांक :

मुद्रांक विकत घेणाऱ्याची सही

प.क्र. ८७/१९५/२६ नाशिक

(ज्या कारणासाठी मुद्रांक खरेदी केला त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून सहा महिन्याच्या आत वापरणे बंधनकारक आहे)

NOTARY * GOVERNMENT OF INDIA * LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028

1. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope No. 1.

2. I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, submitting company or any by myself, I will be liable for action under Indian Penal Code.

3. I am liable for action under Indian Penal Code if any paper are found false /fraudulent during contract period and even after the completion of contract (finalization of final bill).

Anand Construwell Pvt. Ltd.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Director

S. UPASANI
TE & NOTARY

IDENTIFIED BY

NOTARY LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. NO. 6963 EXPIRY DATE 14/10/2028 GOVERNMENT OF INDIA

BEFORE ME
15/10/25
LATISH SUBHASH UPASANI
Advocate & Notary Govt. of India
Chember No. 303, Maruti Chembers,
District Court, Nashik (Maharashtra)

7

नाशिक महानगरपालिका,नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग
सिंहस्थ कामे- ई- निविदा सुचना क्र.03 शुध्दीपत्रक (सन 2025-26)

नाशिक महानगरपालिका,नाशिक सार्वजनिक बांधकाम विभागाच्या 18 कामांची ई-निविदा सुचना क्रमांक 03 (सन 2025-26) दिनांक 25/09 /2025 पासुन दिनांक 10/10/2025 रोजी दुपारी 3.00 वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल.निविदा स्विकृतीची अंतिम दिनांक 10/10/2025 राहील.

टीप - यापुढील सर्व आवश्यक सुचना/शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

Nashik Municipal Corporation, Nashik
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 Corrigdum (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the website www.mahatenders.gov.in. from dt.25/09/2025 to 10/10/2025 up to 3.00 pm Last date for acceptance of tender will be dt.10/10 /2025.

Note - All further necessary notices/clarifications will be published on the online website.

Executive Engineer (Tender Cell)
Nashik Municipal Corporation

Additional Commissioner(2)
Nashik Municipal Corporation.

ANAND CONSTRUWELL PVT. LTD. NASIK

नाशिक महानगरपालिका,नाशिक

मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे ई- निविदा सुचना क्र.**03** चे शुध्दीपत्रक **(सन 2025-26)**

नाशिक महानगरपालिकेच्या सार्वजनिक बांधकाम विभागाच्या खालील नमुद केलेल्या कामा करीता महाराष्ट्र शासन अथवा केंद्र शासनाच्या अथवा निमशासकीय संस्थेकडे योग्य वर्गातील पंजीकृत व काम करण्याचा अनुभव असलेल्या मक्तेदाराकडून ई-टेंडर (ऑनलाईन) निविदा मागवित आहोत.

अ.क्र	कामाचे नाव	प्राकलन र.रु
1)	गंगापूर रोड बारदान फाटा ते सुला चौक (बाह्य वाहनतळ ते अंतर्गत वाहनतळाना जोडणारा/त्र्यंबकरोड जोडरस्ता)	56,85,78,497/-
2)	त्र्यंबक रोड पपया नर्सरी सिग्नल ते एक्स.लो. जंक्शन (बाह्य वाहनतळ / रेल्वे स्थानक-त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	77,32,75,343/-
3)	एक्सलो चौक ते गरवारे चौकपावेतो (बाह्य वाहनतळ / रेल्वे स्थानक त्र्यंबकरोड मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	71,98,74,710/-
4)	वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक त्र्यंबकरोड जोडरस्ता वाहतूक नियोजन)	31,99,99,740/-
5)	विहितगाव (लॅम रोड) ते बिटको चौक ते जेलरोड-गोदावरी नदी पर्यंत (घाटाकडे जाणारा रस्ता)	65,50,01,803/-
6)	नांदूर पूल ते जत्रा हॉटेल (घाटाकडे जाणारा रस्ता)	71,20,04,895/-
7)	लेखा नगर NH3-कलानगर चौक- वडाळागाव रविशंकर मार्ग-विजय ममता चौक (घाटाकडे जाणारा रस्ता / वाहतुक नियोजन)	38,49,75,812/-
8)	संगम पूल ते मिर्ची हॉटेल चौक ते अमृतधाम चौक ते गुंजाळ बाबा चौक तारवाला चौक ते मार्केट सिग्नल ते मखमलाबाद रोड (घाटाकडे जाणारा रस्ता / साधुग्राम पोहोच रस्ता)	83,26,47,509/-
9)	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	48,08,09,407/-
10)	विजय ममता चौक-टाकळी गाव-संगम पूल (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	22,19,87,694/-
11)	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा)	37,81,00,039/-
12)	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द पावेतो रस्ता विकसित करणे. (वाहनतळ जोडणारा रस्ता)	49,34,60,348/-
13)	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता / वाहनतळं जोडणारा रस्ता)	51,05,16,750/-

नाशिक महानगरपालिका,नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग

सिंहस्थ कामे- ई- निविदा सुचना क्र.०३ शुध्दीपत्रक-१ (सन २०२५-२६)

नाशिक महानगरपालिका,नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सुचना क्रमांक.०३ (सन २०२५-२६) दिनांक २५/०९ /२०२५ पासुन दिनांक १७/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल.निविदा स्विकृतीची अंतिम दिनांक १७/१०/२०२५ राहील.

टीप - यापुढील सर्व आवश्यक सुचना/शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

स्वाक्षरीत/-
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Nashik Municipal Corporation, Nashik
E-Tender Cell Department

Sinhastha Work - E-Tender Notice No.03 Corigendum-1 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the website www.mahatenders.gov.in. from dt.25/09/2025 to 17/10/2025 up to 3.00 pm Last date for acceptance of tender will be dt.17/10 /2025.

Note - All further necessary notices/clarifications will be published on the online website.

Sd/-
Executive Engineer (Tender Cell)
Nashik Municipal Corporation

दिनांक : ०९/१०/२०२५

सविनय सादर,

विषय : ई-निविदा सु.क्र.०३ सन.२०२५-२६ या कामास मुदतवाढ मिळणे बाबत.

संदर्भ : १) अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता.

२) सिंहस्थ कामे ई-निविदा सु.क्र.०३ सन २०२५-२६

उपरोक्त संदर्भ क्र.१ अन्वये अध्यक्ष ,नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता मिळाल्यानुसार, संदर्भ क्र.२ अन्वये सिंहस्थ अंतर्गत रस्त्यांच कामांची ई-निविदा सु.क्र.०३ सन २०२५-२६ वर्तमान पत्रात प्रसिद्ध करण्यात आली होती. सदर कामाची निविदा सादरीकरणाची अंतीम मुदत ही दि.१०/१०/२०२५ रोजी पावतो आहे. सदर कामाची ऑनलाईन पध्दतीने निविदापुर्व बैठक दि.०१/१०/२०२५ रोजी घेण्यात आली. सदर बैठक व मक्तेदार यांच्या कडील लेखी मुद्दे यास अनुसरुन Modified Clause नुसार अटी/शर्ती बाबत CSD Common set of Deviation / Addendum / Corrigendum प्रसिध्द करावयाचे आहे. त्यानंतर मक्तेदार यांना निविदा सादर करण्यासाठी पुरेसा कालावधी मिळावा यासाठी सदर निविदेस मुदतवाढ देणे आवश्यक आहे. त्यामुळे सदर निविदेस दि.१७/१०/२०२५ रोजी पावेतो मुदतवाढ मिळणेस विनंती.

कनिष्ठ लिपीक
(राहुल पोरजे)

कार्यकारी अभियंता (रविंद्र बागुल) | कार्यकारी अभियंता (नवनीत भामरे) | कार्यकारी अभियंता (रविंद्र पाटील) | कार्यकारी अभियंता (संदेश शिंदे) | कार्यकारी अभियंता (प्रशांत पगार)

मा.शहर अभियंता
(संजय अग्रवाल)

(प्रदिप चौधरी)
मा.अतिरीक्त आयुक्त सो.

(मनिषा खत्री)
मा.आयुक्त तथा प्रशासक सो.

AMAND CONSTRUWELL PVT. LTD. NASIK

अ.क्र	कामाचे नाव	प्राकलन र.रु
१४)	त्र्यंबक रोड आय.टी.आय. सिग्नल ते पिंपळगाव बहुला मनपा हद्द रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता /वाहनतळ जोडणारा रस्ता)	४९,२८,६८,७२७/-
१५)	निमाणी चौक ते मनपा हद्द पावेतोचा दिंडोरी रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता /वाहनतळ जोडणारा)	५९,५६,९९,४६५/-
१६)	पेठ रोड कालवा ते मेहेरधाम पेठ रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	७६,४९,०९,२७३/-
१७)	पुणे रोड- दत्त मंदिर चौक ते सिन्नर फाटा (रेल्वे स्थानक जोड रस्ता)	१७,७४,८१,९८२/-
१८)	जनार्दन स्वामी गठ (छत्रपती संभाजी नगर रोड) ते लक्ष्मी नारायण मंदिरपुल ते ड्रीम सिटी चौक (घाटाकडे जाणारा रस्ता/ साधुग्राम जोडणारा रस्ता)	१४,९९,८५,९३७/-
उपरोक्त नमुद अ.क्र.१ ते१८ चे कामांसाठी निविदा फी र.रु.३६३१/- इतकी राहील		

अटीशर्ती-

१) सविस्तर निविदा नोटीस मा. राज्य शासनाचे संकेत स्थळ (Website) www.mahatenders.gov.in वर प्रसिध्द केली आहे त्याचे अवलोकन करावे.

२) सदर कामासाठी ऑनलाईन निविदा संच विक्री दि.२५/०९/२०२५ ते दि.१०/१०/२०२५ या कालावधी मध्ये केली जाईल.

३) सदर कामासाठी निविदापुर्व बैठक दि. ०१/१०/२०२५ रोजी दु.४.०० वाजता ऑनलाईन पध्दतीने घेण्यात येईल, त्याची लिंक निविदा दस्तामध्ये दिलेली आहे.

४) सदर कामांसाठी ऑनलाईन सादरी करणाची अंतिम मुदत दि.१०/१०/२०२५ रोजी दु.३.०० वाजे पर्यंत राहील.

५) सदर कामासाठी ऑनलाईन सादर केलेल्या निविदा दि.११/१०/२०२५ रोजी दु.३.०० वाजेनंतर (शक्य झाल्यास) कार्यकारी अभियंता (टेंडर सेल) यांचे समक्ष उघडण्यात येतील.

६) कोणतेही कारण न देता निविदा स्विकारणे अथवा नाकारणे याबाबतचे अंतिम अधिकार मा.आयुक्त सो. तथा प्रशासक नाशिक मनपा यांचे राहतील.

Sd xxx/-
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd xxx/-
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

NASIK

(To)

नाशिक महानगरपालिका,नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग
सिंहस्थ कामे ई- निविदा सुचना क्र.०३ चे शुद्धीपत्रक (सन २०२५-२६)

नाशिक महानगरपालिकेच्या सार्वजनिक बांधकाम विभागाच्या खालील नमुद केलेल्या कामा करीता महाराष्ट्र शासन अथवा केंद्र शासनाच्या अथवा निमशासकीय संस्थेकडे योग्य वर्गातील पंजीकृत व काम करण्याचा अनुभव असलेल्या मक्तेदाराकडून ई-टेंडर (ऑनलाईन) निविदा मागवित आहोत.

अ.क्र.	कामाचे नाव	प्राकलन र.रु
१)	गंगापूर रोड बारदान फाटा ते सुला चौक (बाह्य वाहनतळ ते अंतर्गत वाहनतळाना जोडणारा/त्र्यंबकरोड जोडरस्ता)	५६,८५,७८,४९७/-
२)	त्र्यंबक रोड पपया नर्सरी सिग्नल ते एक्स.लो. जंक्शन (बाह्य वाहनतळ / रेल्वे स्थानक-त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	७७,३२,७५,३४३/-
३)	एक्सलो चौक ते गरवारे चौकपावेतो (बाह्य वाहनतळ / रेल्वे स्थानक त्र्यंबकरोड मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	७१,९८,७४,७१०/-
४)	वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक त्र्यंबकरोड जोडरस्ता वाहतूक नियोजन)	३१,९९,९९,७४०/-
५)	विहितगाव (लॅम रोड) ते बिटको चौक ते जेलरोड-गोदावरी नदी पर्यंत (घाटाकडे जाणारा रस्ता)	६५,५०,०१,८०३/-
६)	नांदूर पूल ते जत्रा हॉटेल (घाटाकडे जाणारा रस्ता)	७१,२०,०४,८९५/-
७)	लेखा नगर NH३-कलानगर चौक- वडाळागाव रविशंकर मार्ग-विजय ममता चौक (घाटाकडे जाणारा रस्ता / वाहतुक नियोजन)	३८,४९,७५,८१२/-
८)	संगम पूल ते मिर्ची हॉटेल चौक ते अमृतधाम चौक ते गुंजाळ बाबा चौक तारवाला चौक ते मार्केट सिग्नल ते मखमलाबाद रोड (घाटाकडे जाणारा रस्ता / साधुग्राम पोहोच रस्ता)	८३,२६,४७,५०९/-
९)	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	४८,०८,०९,४०७/-
१०)	विजय ममता चौक-टाकळी गाव-संगम पूल (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	२२,१९,८७,६९४/-
११)	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा)	३७,८१,००,०३९/-
१२)	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द पावेतो रस्ता विकसित करणे. (वाहनतळ जोडणारा रस्ता)	४९,३४,६०,३४८/-
१३)	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा ररता / वाहनतळ जोडणारा रस्ता)	५१,०५,१६,७५०/-

AMANDEEP CONSTRUWELL PVT. LTD. NASIK

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सविनय सादर,

दिनांक : २४/०९/२०२५

विषय : सार्वजनिक बांधकाम विभागामार्फत करावयाच्या कामाची ई-निविदा नोटीसचे शुद्धीपत्रक प्रसिध्द करणे बाबत.

संदर्भ : १) अध्यक्ष, नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता.
२) सिंहस्थ कामे ई-निविदा सु.क्र.०३ सन २०२५-२६

उपरोक्त संदर्भ क्र.१ अन्वये अध्यक्ष, नाशिक –त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा विभागीय आयुक्त सो. यांचे कडील दि.१४/०९/२०२५ रोजीची प्रशासकीय मान्यता मिळाल्यानुसार, संदर्भ क्र.२ अन्वये सिंहस्थ अंतर्गत रस्त्यांच कामांची ई-निविदा सु.क्र.०३ सन २०२५-२६ वर्तमान पत्रात प्रसिद्ध करण्यात आली होती. सदर निविदा सच विक्रीचा कालावधी हा दि.२२/०९/२०२५ ते दि.०६/१०/२०२५ असा होता. परंतु तांत्रिक अडचणीमुळे ऑनलाईन निविदा अपलोड करण्यास विलंब झाला आहे. त्यामुळे सदर निविदेचा विक्री कालावधी दि.२५/०९/२०२५ ते दि.१०/१०/२०२५ रोजी पर्यंत वाढविण्यास व तसे शुद्धीपत्रक ऑनलाईन प्रसिध्द करणेस मंजुरी मिळणेस विनंती.

क.लिपीक
(राहुल पारखे)

कार्यकारी अभियंता (रविंद्र बागुल)

कार्यकारी अभियंता (नवनीत भामरे)

कार्यकारी अभियंता (रविंद्र पाटील)

कार्यकारी अभियंता (संदेश शिंदे)

कार्यकारी अभियंता (प्रशांत पगार)

मा.शहर अभियंता
(संजय अग्रवाल)

अ मान्य करण्यात येत आहे

(प्रदिप चौधरी)
मा.अतिरीक्त आयुक्त सो.

(मनिषा खत्री)
मा.आयुक्त तथा प्रशासक सो.

STRUWELL PVT. LTD. NASHIK

दै. लोकमत दि. १६/१०/२०२५

(13)

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
Ph. (0253) 2575831/32, 2579119 Fax: 2577936

E-Tender Notice No. 03/ 2025-26

Nashik Municipal Corporation, invites bids vide e-Tender No-03/(2025-26) for 01 works. The Detailed Tender Notice & Tender documents will be available on www.mahatenders.gov.in, from Dt. 17/10/2025 to Dt. 03/11/2025.

Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

गोदा प्रदूषण टाळा, भविष्य सांभाळा.

जनसंपर्क/ना.म.म/३३४/३०५, दि. १५/१०/२०२५

दै. सकाळ टाईम्स दि. १६/१०/२०२५

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
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Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

गोदा प्रदूषण टाळा, भविष्य सांभाळा.

दै. हिंदुस्थान दर्शन दि. १६/१०/२०२५

Nashik Municipal Corporation, Nashik
Public Health Engineering Department (Sewerage)
Rajiv Gandhi Bhavan, Sharanpur Road, Nashik- 422 002
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Sd/xxx
Superintending Engineer
Public Health Engineering
Department (Sew)
Nashik Municipal
Corporation, Nashik

Sd/xxx
Commissioner &
Administrator
Nashik Municipal
Corporation, Nashik

गोदा प्रदूषण टाळा, भविष्य सांभाळा.

AMBICA UWELL PVT. LTD. NASIK

दै. लोकमत दि.२५/०९/२०२५

(12)

दै. दिव्य मराठी दि.२५/०९/२०२५

दै. सकाळ दि.२५/०९/२०२५

दै. Mint दि.२५/०९/२०२५

दै. लोकसत्ता दि.२५/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the website www.mahatenders.gov.in from dt.22/09/2025 to 06/10/2025 up to 3.00 pm. Last date for acceptance of tender will be dt.06/10/2025.

Note - All further necessary notices/clarifications will be published on the online website.

Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal Corporation

जा.क्र./३६०/२०२५ दि.२२/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal Corporation

जा.क्र./३६०/२०२५ दि.२२/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
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Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal Corporation

जा.क्र./३६०/२०२५ दि.२२/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
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Sd/-xxx
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Nashik Municipal Corporation

जा.क्र./३६०/२०२५ दि.२२/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work - E-Tender Notice No.03 (2025-26)

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Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal Corporation

जा.क्र./३६०/२०२५ दि.२२/०९/२०२५

CONSTRUWELL PVT. LTD. NASIK

दै लोकमत दि २७/९/२०२५

(11)

दै स्वराज्य दि २७/९/२०२५

दै पुण्यनगरी दि २७/९/२०२५

दै गावकरी दि २७/९/२०२५

दै प्रात: काल दि २७/९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई- टेंडर सेल विभाग

सिंहस्थ कामे- ई- निविदा सूचना क्र.०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सूचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासून दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्वीकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - वापुढील सर्व आवश्यक सूचना/शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-XXX
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd/-XXX
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दिनांक २०/०९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे- ई-निविदा सूचना क्र. ०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सूचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासून दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - वापुढील सर्व आवश्यक सूचना / शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे- ई-निविदा सूचना क्र. ०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सूचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासून दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - वापुढील सर्व आवश्यक सूचना / शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

Sd/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

Sd/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

नाशिक महानगरपालिका, नाशिक
मध्यवर्ती ई-टेंडर सेल विभाग

सिंहस्थ कामे- ई-निविदा सूचना क्र.०३ (सन २०२५-२६)

नाशिक महानगरपालिका, नाशिक सार्वजनिक बांधकाम विभागाच्या १८ कामांची ई-निविदा सूचना क्रमांक ०३ (सन २०२५-२६) दिनांक २२/०९/२०२५ पासून दिनांक ०६/१०/२०२५ रोजी दुपारी ३.०० वाजेपावेतो मा.शासनाचे www.mahatenders.gov.in या संकेतस्थळावर उपलब्ध असेल. निविदा स्विकृतीची अंतिम दिनांक ०६/१०/२०२५ राहील.

टीप - वापुढील सर्व आवश्यक सूचना / शुध्दीपत्रक हे Online website वर प्रसिध्द करणेत येतील.

सही/-xxx
कार्यकारी अभियंता (टेंडर सेल)
नाशिक महानगरपालिका, नाशिक

सही/-xxx
अतिरिक्त आयुक्त (२)
नाशिक महानगरपालिका, नाशिक

जनसंपर्क/जा.क्र/२६०/२०२५ दिनांक २०/०९/२०२५

NASHIK MUNICIPAL CORPORATION, NASHIK
E-Tender Cell Department
Sinhastha Work: E-Tender Notice No.03 (2025-26)

Nashik Municipal Corporation, Nashik Public Works Department vide E-Tender Notice No. 03 (Year 2025-26) invites bids for 18 number of works which will be displayed on the web site www.mahatenders.gov.in from dt.22/09/2025 to 06/10/2025 up to 3.00 pm. Last date for acceptance of tender will be dt.06/10/2025.

Note :- All further necessary notices/clarifications will be published on the online website.

Sd/-xxx
Executive Engineer
(Tender Cell)
Nashik Municipal Corporation

Sd/-xxx
Additional Commissioner(2)
Nashik Municipal Corporation

जनसंपर्क/जा.क्र/२६०/२०२५ दि.२०/०९/२०२५

दै.लोकमत टाइम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिंदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात रु.रु.४८,०८,०९,४०७/- ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक

(9)

ePROCUREMENT System Government of Maharashtra
Created By: SANDESH SHINDE
Created Date/Time: 12-Nov-2025 01:58 PM
Tender Title: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)
Tender ID: 2025_NMC_1221768_9

Tender Inviting Authority: Executive Engineer

Name of Work: Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat a

Contract No: NMC/E-tender Cell/03/09/2025-26

SCHEDULE OF WORK / ITEM(S)

Sl.No	Bidder Name	Estimated Rate	Quoted Percentage	Quoted Rate in Figures and Words (Iteration 0)		
				Rate	Amount	
1.00	ANAND CONSTRUWELL PVT. LTD. (GSTN-27AAFCA7736H1ZI) BID ID -6903705	401164735.000	-7.290	371919825.819	Thirty Seven Crore Nineteen Lakh Nineteen Thousand Eight Hundred Twenty Five	

Lowest Amount Quoted By: ANAND CONSTRUWELL PVT. LTD.(371919825.819)

Executive Engineer
E-Tender Cell
Nashik Municipal Corporation, Nashik

1697

NASIK

11 DEC 2025

नाशिक महानगरपालिका
Nashik Municipal Corporation
Rajeev Gandhi Bhavan, Sharanpur Road (Post Box No.१२), Nashik – ४२२ ००२
Visit us at : www.nmc.gov.in e-mail : ce-pwd@nmc.gov.in

जा.क्र.साबांवि/डेस्क-२/२२९/२०२५
दिनांक- १२/११/२०२५

प्रति,
मे.आनंद कंनस्ट्रुवेल प्रा.लि.,
निविदाधारक, नाशिक

विषय :- के.टी.एच.एम.पुल ते जुना गंगापुर नाका ते शणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते माहमार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ताविकसीत करणे.

संदर्भ :- ई-निविदा सु.क्र.०३/०९ (सन २०२५-२६)

महोदय,

नाशिक येथे सन २०२७ साली होणारा सिंहस्थ कुंभमेळा अनुषंगाने करावयाच्या वरील विषयांकीत कामासाठी प्राप्त निविदांमध्ये तुम्ही सादर केलेली निविदा सर्वात न्युनतम दराची म्हणजेच **प्राकलन दरापेक्षा ७.२९० %** इतक्या **कमी** दराची निविदा दाखल केली आहे. तुम्ही दाखल केलेल्या निविदेच्या दराबाबत चर्चा करावयाची असुन पुढील निर्णय घ्यावयाचा आहे. त्यामुळे इकडील कार्यालयात याबाबत चर्चेसाठी **गुरुवार, दिनांक १३/११/२०२५ रोजी सकाळी ११.०० वा** आपण अथवा आपला प्रतिनिधी पत्रासह शहर अभियंता व कार्यकारी अभियंता यांचे दालनात उपस्थित रहावे. त्याच बरोबर सादर केलेल्या दराबाबत योग्य ते **दरपृथ:करण** लेखी स्वरुपात सादर करावे.

कार्यकारी अभियंता (बांधकाम)
नाशिक महानगरपालिका, नाशिक

13/11/25

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel.: +91 253 2513211
+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

ACPL/Adm/436/२५-२६ दि. १३.११.२०२५

प्रति,
मा. कार्यकारी अभियंता (बांधकाम),
नाशिक महानगरपालिका,
नाशिक.

कामाचे नाव :- के.टी .एच .एम .पुल ते जुना गंगापूर नाका ते शरणपुर पोलीस चौकी , बॉश मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता /वाहनतळ जोडणारा रस्ता) विकसित करणे.

संदर्भ:-१) आम्ही सादर केलेली ई निविदा सु.क्र.०३/०९/(२०२५-२६)
२) आपले पत्र जा.क्र .सांबावी /डेस्क -२/२२९/२०२५ .

महोदय,
नाशिक महानगरपालिकेने सिहस्थ कुंभमेळा अंतर्गत प्रस्तावित वरील विश्यांकित कामाची सद्यस्थिती खालील प्रमाणे आहे -

१) सदर रस्ता हा महामार्ग बस स्टॅन्ड ते जुना गंगापूर नाक्यापर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असून सदर रस्त्याच्या नुतनीकरणात कॉक्रिटीकरण तसेच डांबरी करन अंतर्भूत आहे.
२) दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉक्रिटीकरणकरिता संपूर्ण लांबीचे तुकडे करून वाहतूक नियंत्रण सुरळीत ठेऊन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे ,रस्त्याखालील अन्य Utilities जसे कि मल्वाहिका ,Storm water line, पाणी पुरवठा वाहिन्या ,gas pipeline ,Cable network, विद्युत वाहिनी , Street light cables, Utilities इत्यादीचे काम झाल्यानंतर पृष्ठभागाचे काम करावे लागणार आहे.
३) कॉक्रिटीकरणामुळे काम केल्यानंतर Curing Period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे , तसेच अत्यंत दाट वर्दळीमुळे कॉक्रिटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे .

४) सिहस्थ अंतर्गत काम असल्याने काम नियोजनबद्ध रित्या व वेळेत करणे बंधनकारक आहे .वरील मुद्यांचा विचार करता आम्ही भरलेला देकार प्राकलन दरापेक्षा ७ .२९ % कमी ,हा अत्यंत स्पर्धात्मक असून तरी आपल्या विनंतीस मान ठेऊन आम्ही सदरच्या निविदेत ०.२१ % Rebate सादर करत असून सदरचे काम आम्ही अंदाजपत्रकापेक्षा ७ .५० % कमी दराने करण्यास तयार आहोत त्या अनुशंगाने पुढील योग्य ती कार्यवाही करून आम्हांस काम करण्यात संधी द्यावी हि नम्र विनंती .

ANAND CONSTRUWELL PVT. LTD. NASHIK

आनंद कन्स्ट्रुवेल प्रा. लि.

डायरेक्टर

कार्यकारी अभियंता
सार्वजनिक बांधकाम विभाग
आवक क्र. 723 दि. 13/11/25
जावक क्र. ..... दि. / /

ANAND CONSTRUWELL PVT. LTD. NASHIK

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

ACPL/Adm/436/25-26 दि. 13/11/2025

प्रति,
मा. कार्यकारी अभियंता (बांधकाम)
नाशिक महानगर पालिका,
नाशिक.

कामाचे नांव -के.टी.एच.एम. पुल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी, बॉश मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा रस्ता) विकसित करणे.

संदर्भ - १) आम्ही सादर केलेली ई निविदा सु. क्र. ०३/०९(२०२५-२६)
२) आपले पत्र जा. क्र. साबांवि/ डेस्क -२/२२९/२०२५.

महोदय,

नाशिक महानगरपालिकेने सिंहस्थ कुंभमेळा अंतर्गत प्रस्तावित वरील विषयांकीत कामाची सद्यस्थिती खालील प्रमाणे आहे -

१) सदर रस्ता हा महामार्ग बस स्टँड ते जुना गंगापुर नाकयापर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात काँक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.
२) दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर काँक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्याखालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्यानंतर पृष्ठभागाचे काम करावे लागणार आहे.
३) काँक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे काँक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.
४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबदधरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार प्राकलन दरापेक्षा ७.२९% कमी, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी ही नम्र विनंती.

आनंद कन्स्ट्रुवेल प्रा. लि.

डायरेक्टर

ANAND CONSTRUWELL PVT. LTD. NASIK

कार्यकारी अभियंता
सार्वजनिक बांधकाम विभाग
आवक क्र.....723.....दि. 13/11/25
जावक क्र.....दि. / /

ANAND CONSTRUWELL PVT. LTD. NASIK

नाशिक महानगरपालिका
Nashik Municipal Corporation
Rajeev Gandhi Bhavan, Sharanpur Road (Post Box No.१२), Nashik – ४२२ ००२
Visit us at : www.nmc.gov.in e-mail :nmc@gov.in

जा.क्र.साबांवि/डेस्क-२/230 /२०२५
दिनांक- 13/११/२०२५

प्रति,
मे.आनंद कंनस्ट्रुवेल प्रा.लि.,
निविदाधारक, नाशिक

विषय :- के.टी.एच.एम.पुल ते जुना गंगापुर नाका ते शणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते माहमार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसीत करणे.

संदर्भ :- १) ई-निविदा सु.क्र.०३/०९ सन २०२५-२६
२) आपणास दिलेले पत्र जा.क्र.सांबावि/डेस्क-२/२२९/२०२५ दि.११/११/२०२५
३) मक्तेदार यांनी दि.१३/११/२०२५ रोजी दिलेले पत्र.

महोदय,

नाशिक येथे सन २०२७ साली होणारा सिंहस्थ कुंभमेळा अनुषंगाने करावयाच्या वरील विषयांकीत कामासाठी प्राप्त निविदांमध्ये तुम्ही सादर केलेली निविदा सर्वात न्युनतम दराची म्हणजेच **प्राकलन दरापेक्षा ७.२९० %** इतक्या **कमी** दराची निविदा दाखल केली आहे. सदर निविदा दरा बाबत झालेल्या चर्चेनुसार आपण संदर्भ क्र.०३ नुसार विषयांकीत काम निविदा दरापेक्षा **७.५० % कमी** दरानेच मंजुर करण्याची विनंती केली आहे. यास्तव निविदा अटी व शर्ती क्र.२.२ नुसार **मा.आयुक्त नाशिक महानगरपालिका, नाशिक या नावे** अतिरिक्त सुरक्षा अनामत रक्कमे पोटी **र.रु.४८,१०,०००/-** इतक्या रक्कमेची **राष्ट्रीय कृत बँकेचा एफ.डी.आर/ बँक गॅरंटी,** अथवा रोख स्वरुपात मनपा खजिन्यात भरणा करुन त्याची पावती ८ दिवसांचे आत इकडील कार्यालयात सादर करावी. विहीत मुदतीत अतिरीक्त सुरक्षा अनामत रक्कमेची पुर्तता न केल्यास निविदा अटी व शर्ती क्र.२.२ (२) नुसार पुढील कार्यवाही करणेत येईल याची कृपया नोंद घ्यावी.

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नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : १७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

संदर्भ- मा.आयुक्त तथा प्रशासक सो. यांचेकडील जा.क्र/बांध/२६९ /२०२५ दि. १२.१२.२०२५ चे पत्र.

१) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५

२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)

३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचाकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

महाराष्ट्र महानगरपालिका अधिनियमातील कलम ४५२ (अ) मधील तरतुदीनुसार मा.प्रशासक सो.यांना प्राप्त झालेल्या अधिकारानुसार असा ठराव करण्यांत येत आहे कि,

के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणेचे काम नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे.

त्यानुसार संपुर्ण निविदा प्रक्रीया राबविण्यासाठी नाशिक महानगरपालिकेमध्ये स्वतंत्र मध्यवर्ती निविदा कक्षाची स्थापना करण्यात आली आहे, त्यामुळे मध्यवर्ती निविदा कक्षाकडुन सदर कामाची ई-निविदा प्रक्रिया राबविण्यात आली असून त्याचा तपशिल खालील प्रमाणे आहे.

१) विभागाचे नांव	: सार्वजनिक बांधकाम विभाग
२) प्राकलन मंजुर रक्कम	: **र.रु. ४८,०८,०९,४०७/-** (**अक्षरी** - अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात फक्त)
३) तांत्रिक मान्यता	: स्थापत्य विषयक कामास मा.शहर अभियंता यांची नं. NMC/PWD/TS/३/२०२५, दि.११/०९/२०२५ अन्वये मा.शहर अभियंता सो, तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ यांनी तांत्रिक मान्यता दिलेली आहे.
४) निविदा सुचना क्रमांक	: ई - निविदा सुचना क्र. ०३/०९ (सन २०२५-२६)

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिंदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अंतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्रामविकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : ७७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२/१२/२०२५

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुनःश्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन रोजी आर्थिक देकार उघडण्यात आले आहेत.. त्या बाबतचा तपशिल खालीलप्रमाणे आहे.

अ.नं.	निविदाधारकाचे नांव	पुर्वगणपत्रकापेक्षा टक्केवारी
१.	मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक	७.२९० % कमी दराने

वरील निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉंक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉंक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) कॉंक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे कॉंक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार **प्राकलन दरापेक्षा ७.५० % कमी**, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

त्यानुसार **मक्तेदार** यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अं.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

भा क्र. : ७७

षय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७ /-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) इतक्या रकमेपर्यंत काम करुन घेणेस व करार करण्यास नियमानुसार मंजुरी देणेत येत आहे.

(मदन हरिश्चंद्र)
प्र.नगरसचिव,
नाशिक महानगरपालिका, नाशिक

(मनिषा खत्री)
प्रशासक,
नाशिक महानगरपालिका, नाशिक

बैंक ऑफ़ बड़ौदा
Bank of Baroda

कोन्टेक्ट सेंटर के टोलफ्री फोन नं. Toll free Phone Numbers of Contact Centre: 1800 22 33 44, 1800 102 44 55

आवधिक जमा रसीद TERM DEPOSIT RECEIPT

ग्राहक सं. क्रं. 0032|2243
Customer Ref. No.

प्रधान कार्यालय - अलकापुरी, बड़ौदा
Head Office - Alkapuri, Baroda

शाखा CITY NASIK, NASIK
Branch

परिपक्वता मूल्य टीडीएस के अधीन
M.V. is subject to TDS

परिपक्वता मूल्य ₹
Maturity Value ₹ 24,17,039/-

जारी तारीख 15|12|2025
Issue Date

तारीख को 15|12|2025
As of Date

देय तारीख 04|03|2027
Due Date

जन्म तारीख (यदि नाबालिग)
D.O.B. if Minor

खाता क्रं. OU73030004540
A/c No.

Received With Thanks From THE COMMISSIONER, NASHIK MUNICIPAL CORPORATION, NASHIK A|C ANAND CONSTRUWELL PVT. LTD.

रुपये TWENTY TWO LAKHS THIRTY TWO THOUSAND ONLY से धन्यवाद सहित प्राप्त
Rupees

आवधिक जमाराशि के TD101 योजना अनुसार
As Term Deposit Under Scheme

रसीद क्रमांक Receipt No.	मूल्य तारीख Value Date	देय तारीख Due Date	अवधि Period	ब्याज दर Rate of Interest	राशि ₹ Amount ₹
TDR/2020/KL 0997134	15|12|2025	04|03|2027	444 Days	6.60%	22,32,000/-

परिचालनीय अनुदेश यदि है
Operational Instructions, if any
AUTHORISED SIGNATORY

लिएन नोट करने की ता.
Lien Noted On

लिएन रद्दू करने की ता.
Lien Cancelled On

नामिती रजिस्ट्रेशन क्रं
Nominee's Reg. No.

अहस्तान्तरनीय
NON-TRANSFERABLE

कृते बैंक ऑफ बड़ौदा | For BANK OF BARODA

वरिष्ठ प्रबंधक	Senior Manager	प्रबंधक	Manager
हस्त. क्रं | SIG. NO.	C-9022	हस्त. क्रं | SIG. NO.	7423

कृपया पिछले पृष्ठ पर देखें SEE CONDITIONS OVERLEAF

1384

भारतीय गैर न्यायिक

भारत INDIA

₹. 500 FIVE HUNDRED RUPEES

पाँच सौ रुपये R.S. 500

सत्यमेव जयते

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ~~© 2024 ©~~ DB 105220

NOTARY LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 NOTARIAL

NOTARY LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 NOTARIAL

TREASURY OFFICE NASIK

10 JUN 2025

STAMP VENDOR

This Document Noted at SR.No. 7874 Pages 02 and Contained ..... Dated 13/10/2025

ANNEXURE-I

Affidavit

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9

Tender Notice No.03/09 (2025-26)

I Shri. Navinchandra Premchand Chokasi age, 77 years address Ramchandra Apartment, Makhamalabad Naka, Panchavati, Nashik - 422003, hereby submit, vide this affidavit in truth, that I am the Director of the contracting firm Anand Construwell Pvt. Ltd. Nashik /authorized signatory and I am submitting the document in envelope no.1 for the purpose of scrutiny of the contract. I hereby agree to the condition mentioned below:-

Cont....

LATISH S. UPASANI
ADVOCATE & NOTARY

जोडपत्र -२

टेंडर

दस्ताचा प्रकार/ अनुच्छेद क्र. :

दस्त नोंदणी करणार आहेत का होय/नाही

असल्यास दुय्यम निबंधक कार्यालयाचे नांव:

मिळकतीचे वर्णन :

मोबदला रक्कम :

मुद्रांक शुल्क रक्कम :

मुद्रांक विकत घेणाऱ्याचे नांव व पत्ता

आनंद कन्स्ट्रुवेल प्रा. लि.,
रामचद्र अपार्टमेट, पंचवटी,
नाशिक

दुसऱ्या पक्षकाराचे नांव व पत्ता

मनपा नाशिक
नाशिक

हस्ते असल्यास नाव व पत्ता :

शंकर गिते

01.07.2025 - 9435

मुद्रांक विक्री नोंदवही अनुक्रमांक व दिनांक :

मुद्रांक विकत घेणाऱ्याची सही

प.क्र. ८७/१९५/२६ नाशिक

(ज्या कारणासाठी मुद्रांक खरेदी केला त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून सहा महिन्याच्या आत वापरणे बंधनकारक आहे)

NOTARY * GOVERNMENT OF INDIA * LATISH S. UPASANI AREA- NASHIK DIST. (MAHARASHTRA) REG. No. 6563 EXPIRY DATE 14/10/2028

LATISH ADVOCA

7335

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA © 2024 © 40AB 83965

NOTARY * LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 NOTARIAL NOTARIAL GOVERNMENT OF INDIA

NOTARIAL NOTARIAL NOTARY * LATISH S. UPASANI AREA-NASHIK DIST. (MAHARASHTRA) REG. No. 6963 EXPIRY DATE 14/10/2028 GOVERNMENT OF INDIA

AFFIDAVIT

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9
Tender Notice No.03/09 (2025-26)

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

Cont....

This Document Noted at SR.No. 7335 and Contained 02 Pages Dated 16/12/2025

LATISH S. UPASANI
ADVOCATE & NOTARY

1. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope No. 1.

2. I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, submitting company or any by myself, I will be liable for action under Indian Penal Code.

3. I am liable for action under Indian Penal Code if any paper are found false /fraudulent during contract period and even after the completion of contract (finalization of final bill).

NOTARY LATISH S. UPASANI GOVT. OF INDIA

Anand Construwell Pvt. Ltd.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Director

LATISH S. UPASANI
ADVOCATE & NOTARY

IDENTIFIED BY

ANAND CONSTRUWELL PVT. LTD. NASHIK

NOTARY LATISH S. UPASANI GOVT. OF INDIA

BEFORE ME
15/10/25
LATISH SUBHASH UPASANI
Advocate & Notary Govt. of India
Chember No. 303, Maruti Chembers,
District Court, Nashik (Maharashtra)

2. The undersigned also hereby certifies that neither our firm **Anand Construwell Pvt. Ltd. Nashik** have abandoned any work on Building/Bridges/Roads etc. nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.

3. The undersigned hereby authorize (s) and request (s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

4. The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department, Project implementing agency.

Anand Construwell Pvt. Ltd.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Director

TISH S. UPASANI
DVOCATE & NOTARY

IDENTIFIED BY

ANAND CONSTRUWELL PVT. LTD. NASHIK

NOTARY * GOVERNMENT OF INDIA *
LATISH SUBHASH UPASANI
DIST. NASHIK (MAH.)
REGD. NO. 6303
EXPIRY DATE 15-6-2008

BEFORE ME
15/10/25
LATISH SUBHASH UPASANI
Advocate & Notary Govt. of India
Chember No. 303, Maruti Chembers,
District Court, Nashik (Maharashtra)

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
			PART A- Road Work				
A1	4.40	Kilometre	Detailed survey of road in plain country including chaining and levelling with cross sections at every two chains inclusive of closing of survey each day.	₹ 6,830.30	Km	Rupees Six Thousand and Eight Hundred and Thirty and Thirty Paise Only	30023.27
A2	3074.40	Cubic metre	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately. By Mechanical Means etc. complete.	₹ 451.50	Cum	Rupees Four Hundred and Fifty-One and Fifty Paise Only	1388091.60
A3	30.00	Cubic metre	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately etc. complete.	₹ 1,454.30	Cum	Rupees One Thousand and Four Hundred and Fifty-Four and Thirty Paise Only	43629.00
A4	10.00	Numbers	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable material separately	₹ 389.60	No	Rupees Three Hundred and Eighty-Nine and Sixty Paise Only	3896.00
A5	9.32	Cubic metre	Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc.	₹ 351.80	Cum	Rupees Three Hundred and Fifty-One and Eighty Paise Only	3277.02
A6	15.39	Cubic metre	Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc.	₹ 399.00	Cum	Rupees Three Hundred and Ninety-Nine Only	6140.61
A7	10.50	Cubic metre	Removing lime or lean cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	₹ 585.90	Cum	Rupees Five Hundred and Eighty-Five and Ninety Paise Only	6151.95
A8	24.50	Cubic metre	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc, complete	₹ 976.50	Cum	Rupees Nine Hundred and Seventy-Six and Fifty Paise Only	23924.25
A9	44.00	Square metre	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete	₹ 47.30	Sqm	Rupees Forty-Seven and Thirty Paise Only	2081.20
A10	15.00	Running Metre	Removing wire fencing with iron/ C.C. fencing post and stacking the materials as directed with all leads, lifts etc. complete.	₹ 70.30	Rmt	Rupees Seventy and Thirty Paise Only	1054.50
A11	50.00	Square metre	Milling of existing bituminous surface to specified depth of bituminous layer including disposal of removed material with all lift and lead upto 1000 m etc complete. Using machine like Writgen (W100) or equivalent	₹ 46.20	Sqm	Rupees Forty-Six and Twenty Paise Only	2310.00
A12	4395.60	Running Metre	Carrying out detailed/final location survey for drainage schemes with chain and compass, levels, theodolite and other essential instruments including staking of final center line, locating curves, establishing B.M. and taking L section, cross section, fly leveling etc. complete in plain area. Spec. No. : As directed by Engineer in charge	₹ 2.00	Rmt	Rupees Two Only	8791.20
A13			Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, manual dewatering, preparing the bed for foundation and excluding backfilling, etc complete. (MJP.DSR 2023-24, Section-E-1.4,)				

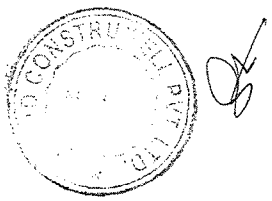
AMAND CONSTRUWELL PVT. LTD. NASIK

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	1826.97	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 181.50	Cum	Rupees One Hundred and Eighty-One and Fifty Paise Only	331595.06
	991.80	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 198.00	Cum	Rupees One Hundred and Ninety-Eight Only	196376.40
A14			Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-3,4,)				
	997.59	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 232.10	Cum	Rupees Two Hundred and Thirty-Two and Ten Paise Only	231540.36
	678.30	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 248.60	Cum	Rupees Two Hundred and Forty-Eight and Sixty Paise Only	168625.38
A15			Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP,DSR 2023-24, Section-E-5,9,)				
	1128.69	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 691.90	Cum	Rupees Six Hundred and Ninety-One and Ninety Paise Only	780939.78
	290.70	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 722.70	Cum	Rupees Seven Hundred and Twenty-Two and Seventy Paise Only	210088.89
A16			Excavation for foundation / pipe trenches in hard rock and concrete road by chiselling, wedging, line drilling, by mechanical means or by all means other than blasting including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, excluding backfilling, etc. complete by all means. (MJP,DSR 2023-24, Section-E-7,9)				
	856.93	Cubic metre	Lift upto 0.0 to 1.50 m depth	₹ 1,230.90	Cum	Rupees One Thousand and Two Hundred and Thirty and Ninety Paise Only	1054794.64
	242.25	Cubic metre	Lift upto 1.50 to 3.0 m depth	₹ 1,261.70	Cum	Rupees One Thousand and Two Hundred and Sixty-One and Seventy Paise Only	305646.83
	131.10	Cubic metre	Lift up to 3.0 to 4.5 m depth	₹ 1,292.50	Cum	Rupees One Thousand and Two Hundred and Ninety-Two and Fifty Paise Only	169446.75
A17	883.76	Cubic metre	Filling in plinth and floors murum bedding in trenches with approved murum from excavated materials from foundation 15cm to 20cm layers including watering and compaction complete.(MJP,DSR 2023-24, Section-E-16)	₹ 96.60	Cum	Rupees Ninety-Six and Sixty Paise Only	85371.58

MAHAND CONSTRUWELL PVT. LTD. NASIK

Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A18			Providing, Lowering & Laying ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar/ spigot & socket joints or rubber ring joints, including all cost of rubber ring joints, excluding GST levied by GOI & GOM in all respect including inspection charges, transport to departmental stores, unloading and stacking etc. complete as per IS-458/1988, lowering & Laying and giving satisfactory Hydraulic testing of the laid pipe line and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) including cost of conveyance from stores to site of work, cost of jointing material, labour, etc. complete as directed by Engineerin- charge (For all class of pipes.) as per IS- 783- 1985, as specified and directed by Engineer in charge etc. complete. (MJP, DSR 2023-24, Sec.-I(VI)RCC Pipes,1d.e,f,2)Page No. 94,95,96				
			R C C NP-III Class (MJP, SSR 2023-24,Sec-I-(VI)-1-e,)				
	100.00	Running Metre	i) for 150 mm dia	₹ 509.80	Rmt	Rupees Five Hundred and Nine and Eighty Paise Only	50980.00
	50.00	Running Metre	ii)for 200 mm dia	₹ 581.10	Rmt	Rupees Five Hundred and Eighty-One and Ten Paise Only	29055.00
	50.00	Running Metre	iii) for 250 mm dia	₹ 788.60	Rmt	Rupees Seven Hundred and Eighty-Eight and Sixty Paise Only	39430.00
	1291.30	Running Metre	iv)for 300 mm dia	₹ 1,078.00	Rmt	Rupees One Thousand and Seventy-Eight Only	1392017.09
	4944.80	Running Metre	vii) for 450 mm dia	₹ 2,005.60	Rmt	Rupees Two Thousand and Five and Sixty Paise Only	9917290.88
	100.00	Running Metre	ix) for 600 mm dia	₹ 2,886.20	Rmt	Rupees Two Thousand and Eight Hundred and Eighty-Six and Twenty Paise Only	288620.00
			R.C.C.NP-IV Class (MJP, SSR 2023-24,Sec-I-(VI)-1-e,)				
	50.00	Running Metre	xii) for 900 mm dia	₹ 5,323.00	Rmt	Rupees Five Thousand and Three Hundred and Twenty-Three Only	266150.00
	50.00	Running Metre	xiii) for 1000 mm dia	₹ 5,875.30	Rmt	Rupees Five Thousand and Eight Hundred and Seventy-Five and Thirty Paise Only	293765.00
	120.00	Running Metre	xiv)for 1200 mm dia	₹ 11,138.30	Rmt	Rupees Eleven Thousand and One Hundred and Thirty-Eight and Thirty Paise Only	1336596.00
A19	176.00	Numbers	Providing and constructing on sewer,Fly Ash Brick masonry circular manhole concentric cone 0.9 M dia. at bottom and 0.5 M dia. at top and upto a depth of 1.00 M, with 15cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 1.0 M with 0.23m. thk. BM in CM 1:6 proportion with 12 mm thick inside & 20 mm thick on outer- side plaster with fine cement smooth finish in CM 1:4, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered), 15cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(For both side plaster Use natural sand & For other work VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 17,055.30	No	Rupees Seventeen Thousand and Fifty-Five and Thirty Paise Only	3001732.80

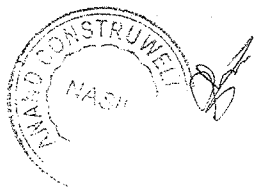
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A20	148.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.2 M dia. at bottom and 0.5 M dia. at top and upto a depth of 2.00 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.00 M with 0.23 M thick in CM 1:4 proportion excluding excavation with 12 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:3, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),,15cm thk C.C.1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in- charge.(MJP, SSR 2023-24, SEC-I(XX)-6,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 30,138.60	No	Rupees Thirty Thousand and One Hundred and Thirty-Eight and Sixty Paise Only	4460512.80
A21	30.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole concentric cone 1.5 M dia. at bottom and 0.5 M dia. at top and upto a depth of 5.0 M with 25 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry in Conical shape for 2.0M with 0.23m thk & 3.0 M depth of Vertical Cylinder with 0.35 M thick Fly Ash Brick masonry in CM 1:4 proportion with 20 mm thick on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:2, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical (Staggered),,15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.(MJP, SSR 2023-24, SEC-I(XX)-7,)(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 82,847.30	No	Rupees Eighty-Two Thousand and Eight Hundred and Forty-Seven and Thirty Paise Only	2485419.00
A22	5.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry circular manhole with concentric cone 1.80 M dia. at bottom and 0.5 M dia. at top and upto a depth of 9.0 M with 25 cm thick CC 1:2:4 bed concrete,& Fly Ash Brick masonry with 23 cm brick work in conical shape upto depth of 2.50 M from top and balance in cylindrical shape 35 cm thick brick work for depth of 2.35 M depth upto 5.0 M, with M:20 Concrete for RCC Beam size of 350x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 350mm thk. brick work. and 45 cm thick brick work 3.85m.for remaining depth upto 9.00 M with M:20 Concrete for RCC Beam size of 450x150mm thk.with reinfocement steel 3nos. Tor 10 @ Bottom & 3Nos. Tor 8 @ top, stirrups Tor 8@150c/c, rest on the top of 450mm thk. brick work, in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick plaster with fine cement smooth finish on outer side in CM 1:5 proportion excluding excavation, including foundation concrete 250 mm thick and haunches and channels in c.c.1:2:4 proportion, finishing channels in smooth rendering, providing C.I. dapuri type steps each weighing 5.5 kg. at every 40cm c/c horizontal & vertical. (Staggered),, 15cm thk 1:2:4 coping and providing and fixing approved make and quality S.F.R.C frame and cover of 56 cm.dia. etc. complete as directed by Engineer-in-charge.As per Rate Analysis.(Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 2,73,164.60	No	Rupees Two Lakhs and Seventy-Three Thousand and One Hundred and Sixty-Four and Sixty Paise Only	1365823.00



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A23	16.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 450 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 450 mm etc. complete as directed by Engineer-in-charge. (MJP, SSR 2023-24,Sec-I(XX)-3-A,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 10,326.40	No	Rupees Ten Thousand and Three Hundred and Twenty-Six and Forty Paise Only	165222.40
A24	298.00	Numbers	Providing and constructing on sewer, Fly Ash Brick masonry manhole Rectangle of size 600 x 900 mm and upto a depth of 900 mm with 15 cm thick CC 1:2:4 bed concrete, Fly Ash Brick masonry & with 23 cm brick work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, 15 cm thk C.C.1:2:4 coping for providing and fixing approved make and quality S.F.R.C. frame and cover of 600 x 900 mm etc. complete as directed by Engineer-in-charge.As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 16,803.50	No	Rupees Sixteen Thousand and Eight Hundred and Three and Fifty Paise Only	5007443.00
A25	44.00	Running Metre	Constructing additional depth/ Rebate for Manhole of 900mm Dia. & above/below 1000 mm. depth to cover variations with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered) As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 12,238.90	Rmt	Rupees Twelve Thousand and Two Hundred and Thirty-Eight and Ninety Paise Only	538511.60
A26	37.00	Running Metre	Constructing additional depth or Manhole of 1200mm Dia. & above / Rebate 2000 mm depth with 230mm.thick Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 2023-24, Sec-I(XX)-6-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 7,549.90	Rmt	Rupees Seven Thousand and Five Hundred and Forty-Nine and Ninety Paise Only	279346.30
A27	7.50	Running Metre	Constructing additional / Rebate depth for Manhole of 1500mm Dia. & below 5000 mm. depth with 350mm.thick Fly Ash Brick masonry work in CM 1:6,proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered), (MJP, SSR 202-24, Sec- I(XX)-7-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 16,411.90	Rmt	Rupees Sixteen Thousand and Four Hundred and Eleven and Ninety Paise Only	123089.25
A28	1.25	Running Metre	Constructing additional / Rebate depth for Manhole of 1800mm Dia. & below 9000 mm. depth with 450mm.thick Fly Ash Brick masonry work up to 2.50m in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, providing C.I. dapuri type steps at every 40cm c/c horizontal & vertical (Staggered),As per Rate Analysis. (For both side plaster Use natural sand & For other work VSI sand finely washed etc.)	₹ 35,216.60	Rmt	Rupees Thirty-Five Thousand and Two Hundred and Sixteen and Sixty Paise Only	44020.75
A29	4.00	Running Metre	Constructing additional depth or Manhole of 450x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3. (MJP, SSR 2023-24, Sec-I(XX)-3-A-a,) (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 5,208.70	Rmt	Rupees Five Thousand and Two Hundred and Eight and Seventy Paise Only	20834.80
A30	74.50	Running Metre	Constructing additional depth or Manhole of 900x600x900 above 900 mm. depth with 230mm. Fly Ash Brick masonry work in CM 1:6 proportion with 12 mm thick smooth plaster on inside & 20 mm thick on outer side in CM 1:3, As per Rate Analysis. (Use VSI(Vertical Shaft Impact) sand finely washed etc.)	₹ 13,415.60	Rmt	Rupees Thirteen Thousand and Four Hundred and Fifteen and Sixty Paise Only	999462.20



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A31	5358.25	Cubic metre	Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP, SSR 2023-24, Sec-E-15)	₹ 96.60	Cum	Rupees Ninety-Six and Sixty Paise Only	517606.51
A32			Providing and fixing in position steel fiber reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tones capacity)				
			(MJP, SSR 2023-24, Sec-I(XX)-17,)				
	5.00	Numbers	i) 540 Dia.	₹ 3,665.60	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Sixty Paise Only	18328.00
	88.00	Numbers	ii) 560 Dia.	₹ 4,797.50	No	Rupees Four Thousand and Seven Hundred and Ninety-Seven and Fifty Paise Only	422180.00
	10.00	Numbers	iii) 90x45 cm	₹ 3,665.60	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Sixty Paise Only	36656.00
	19.00	Numbers	iv) 90x60 cm	₹ 3,973.20	No	Rupees Three Thousand and Nine Hundred and Seventy-Three and Twenty Paise Only	75490.80
	10.00	Numbers	v) 60 x 60 cm	₹ 3,628.80	No	Rupees Three Thousand and Six Hundred and Twenty-Eight and Eighty Paise Only	36288.00
	3.00	Numbers	vi) 60 x 45 cm	₹ 3,144.80	No	Rupees Three Thousand and One Hundred and Forty-Four and Eighty Paise Only	9434.40
A33	13.50	Cubic metre	Cleaning or Desilting B.B.M. of various dia chamber on sewer including removing matarial upto a distance of 50.0M for all lifts as directed by Engineer-in-charge.etc. complete	₹ 234.20	Cum	Rupees Two Hundred and Thirty-Four and Twenty Paise Only	3161.70
A34	499.30	Running Metre	Cleaning the R.C.C. choked up pipes of diameter from 200 mm to 450 mm including removing matarial upto adistance of 50.0M for all lifts as directed by Engineer-in-charge.	₹ 54.50	Rmt	Rupees Fifty-Four and Fifty Paise Only	27211.58
A35			Cleaning the R.C.C. choked up pipes by using bucket machine and rodding machine including removing matarial upto adistance of 50.0M for all lifts in different places during cleaning operation all labour and safety precaution should be taken by maintainance contractor himself (i.e. suitable gas masks, gas detection driving prompt etc.) during cleaning operation in any damages done by the contractor shall be repaired by the contractor with his own cost. To clean the existing drain line bucket and rodding machine will not be given by department & if machinary provided by department charges will recovered from bill. Diversion of sewerage water any necessary excavation if necessary should be done by the contractor at his cost during the work necessary action for cleaning line traffic permission and proper precautions should be taken by contractorafter completion of a cleaning operation by contractor has to test the line in precence of enginreer- in- charge. (As per Rate Analysis)				
	300.00	Running Metre	For 200mm to 600mm dia RCC drain line	₹ 158.70	Rmt	Rupees One Hundred and Fifty-Eight and Seventy Paise Only	47610.00



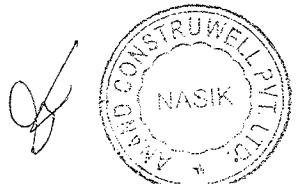
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	300.00	Running Metre	For above 600mm to 1000mm dia RCC drain line	₹ 238.10	Rmt	Rupees Two Hundred and Thirty-Eight and Ten Paise Only	71430.00
	250.00	Running Metre	For above 1000mm dia RCC drain line	₹ 317.40	Rmt	Rupees Three Hundred and Seventeen and Forty Paise Only	79350.00
A36	43111.40	Cubic metre	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	₹ 125.00	Cum	Rupees One Hundred and Twenty-Five Only	5388925.13
A37	10726.82	Cubic metre	Excavation for roadway in hard murum and boulder including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed	₹ 145.90	Cum	Rupees One Hundred and Forty-Five and Ninety Paise Only	1565042.75
A38	862.23	Cubic metre	Excavation for roadway in soft rock, including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. And spreading or stacking as directed.	₹ 185.80	Cum	Rupees One Hundred and Eighty-Five and Eighty Paise Only	160201.97
A39	431.11	Cubic metre	Excavation for roadway in hard rock by wedging and chiselling or line drilling including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	₹ 1,490.00	Cum	Rupees One Thousand and Four Hundred and Ninety Only	642359.87
A40	10.00	Cubic metre	Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils.	₹ 125.00	Cum	Rupees One Hundred and Twenty-Five Only	1250.00
A41	55131.56	Cubic metre	Conveying materials obtained from road cutting upto lead of 5 .00 km including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section from the site of excava-tion to the site of deposition as directed .	₹ 264.80	Cum	Rupees Two Hundred and Sixty-Four and Eighty Paise Only	14598837.36
A42	50.00	Cubic metre	Providing Earth work in embankment with approved material ob-tained from Govt. land with 50 m lead, by using laying in lay-ers, breaking clods, dressing to required lines curves grade, and section watering and compaction complete. (a) 95% proctor densi-ty. Spec.No. : M.O.S.T. 1995 Cl.No.305	₹ 236.30	Cum	Rupees Two Hundred and Thirty-Six and Thirty Paise Only	11815.00
A43	300.00	Cubic metre	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)	₹ 1,263.20	Cum	Rupees One Thousand and Two Hundred and Sixty-Three and Twenty Paise Only	378960.00
A44	16090.23	Cubic metre	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. Sp. No. Rd. 23 P.No. 202	₹ 925.10	Cum	Rupees Nine Hundred and Twenty-Five and Ten Paise Only	14885069.00
A45	16090.23	Cubic metre	Spreading hard murum for side width etc. complete	₹ 83.00	Cum	Rupees Eighty-Three Only	1335488.84
A46	53634.09	Square metre	Compacting the hard murum side widths including laying in layers on each side with power roller including artificial watering etc. complete.	₹ 22.10	Sqm	Rupees Twenty-Two and Ten Paise Only	1185313.39



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A47	10096.34	Cubic metre	Construction of granular subbase by providing close graded Material,mixing in a mechanical mixplant at OMC,carriage of mixed Material to work site, spreading in uniform layers with motor grader/Paver on prepared surface and compacting with vibratory roller to achieve the desired density,complete as per clause 401 -- Plant Mix Method and Grading - I Material	₹ 2,740.50	Cum	Rupees Two Thousand and Seven Hundred and Forty and Fifty Paise Only	27669014.29
A48	2211.12	Cubic metre	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading I (Using Screening Type A (13.2) mm Aggregate)	₹ 3,059.60	Cum	Rupees Three Thousand and Fifty-Nine and Sixty Paise Only	6765142.75
A49	1105.56	Cubic metre	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Intelligent Compactor with compaction analyzer and V-Sat attachment. to the required density. Grading II (Using Screening Type B (11.2 mm) Aggregate)	₹ 3,005.60	Cum	Rupees Three Thousand and Five and Sixty Paise Only	3322871.14
A50	3929.12	Cubic metre	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.	₹ 2,765.50	Cum	Rupees Two Thousand and Seven Hundred and Sixty-Five and Fifty Paise Only	10865988.27
A51	2211.12	Cubic metre	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely washed etc)	₹ 6,924.80	Cum	Rupees Six Thousand and Nine Hundred and Twenty-Four and Eighty Paise Only	15311563.78



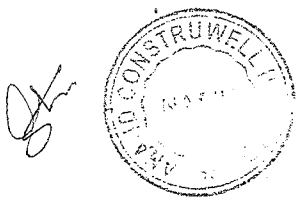
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A52	3476.52	Cubic metre	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, . cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant/ Weigh batch mixer, transported to site with all leads and lifts, laid with a paver with electronic sensor /by suitable means as approved by Engineer-in-charge , compacting with vibratory roller, finishing, curing and including preparation of sub-grade surface if required etc. complete. with fully automatic micro processor based PLC with SCADA enabled reversible Batch Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 4,492.00	Cum	Rupees Four Thousand and Four Hundred and Ninety-Two Only	15616527.84
A53	10.00	Cubic metre	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneissmetal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc.complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc. complete.Withfine aggregate (Crushed sand VSI Grade)	₹ 13,505.60	Cum	Rupees Thirteen Thousand and Five Hundred and Five and Sixty Paise Only	135056.00
A54	0.50	Metric metre	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	₹ 94,188.10	MT	Rupees Ninety-Four Thousand and One Hundred and Eighty-Eight and Ten Paise Only	47094.05
A55	23176.80	Square metre	Providing and laying 125 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete	₹ 31.50	Sqm	Rupees Thirty-One and Fifty Paise Only	730069.20
A56	6489.50	Cubic metre	Providing and laying in-situ M40 Grade unreinforced plain cement concrete pavement over a prepared sub base with 43 grade cement , coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a batching and mixing plant/ non tilting mixer and Weigh batcher as per approved mix design, admixtures, transporting to site, spreading, laying with approved make paver,compacted and finished in a continuous operation, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound /by providing cement vata in cement Mortar 1:8 @0.6m X 0.6m centre to centre, admeasuring 80 mm at bottom and 40 mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 8,974.80	Cum	Rupees Eight Thousand and Nine Hundred and Seventy-Four and Eighty Paise Only	58242000.50
A57	15680.00	Numbers	Providing and fixing in position TMT FE 500, 32 mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 60 cms. Long and at 30.00 cm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT FE 500, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete	₹ 564.90	Nos	Rupees Five Hundred and Sixty-Four and Ninety Paise Only	8857632.00



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A58	5760.00	Numbers	Providing and fixing in position TMT FE 500, tie bars precoated with anticorrosive epoxy paint of 12mm dia. 70cms.long and at 30.00 cm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length,necessary cutting, handling, straightening, supported by assembly of TMTFE500, chairs with proper alignment etc. complete	₹ 321.30	Nos	Rupees Three Hundred and Twenty-One and Thirty Paise Only	1850688.00
A59	7520.00	Running Metre	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm. in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.	₹ 79.80	Rmt	Rupees Seventy-Nine and Eighty Paise Only	600096.00
A60	7520.00	Running Metre	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (appraox. 25% larger than the initial 3 mOne Metric Tonneo 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8 mm.wide)	₹ 326.60	Rmt	Rupees Three Hundred and Twenty-Six and Sixty Paise Only	2456032.00
A61	540.92	Square metre	Providing expansion joints with 25mm thick bituminous pad as per detailed drawings etc. complete.	₹ 1,140.30	Sqm	Rupees One Thousand and One Hundred and Forty and Thirty Paise Only	730841.08
A62	200.00	Running Metre	Providing and casting insitu or precast tapering R.C.C.M-20 Mountable type Kerb without gutter (asper IRC861983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2 including the required excavation in any strataand removing the excavated stuff anywhere incity and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing P'ant	₹ 516.60	Rmt	Rupees Five Hundred and Sixteen and Sixty Paise Only	103320.00
A63			P/L and fixing precast Cement concrete M-20 grade kerb stone of following sizes grade concrete including manufacturing, supplying to the site, fixing in position, with prepared bed of,packing by surrounding pcc upto 100 mm ht with M-10 PCC 80mm thick, filling joints with cement, coloring with one coat primer & flat oil paint in two coats as per directed by engineer in charge etc complete (As per R.A.)				
	7258.00	Running Metre	Size- Length 300 mm, Height 750mm, Top Width 125 mm, Bottom width 200 mm, Chamfer Height 300 mm	₹ 1,618.50	Rmt	Rupees One Thousand and Six Hundred and Eighteen and Fifty Paise Only	11747073.00
	50.00	Running Metre	Size- Length 400 mm, Height 450mm, Width 125mm, Chamfer Height 450 mm	₹ 788.00	Rmt	Rupees Seven Hundred and Eighty-Eight Only	39400.00
A64	250.00	Square metre	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	₹ 978.60	Sqm	Rupees Nine Hundred and Seventy-Eight and Sixty Paise Only	244650.00

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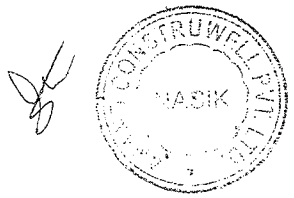
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A65	14740.80	Square metre	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc complete	₹ 1,238.00	Sqm	Rupees One Thousand and Two Hundred and Thirty-Eight Only	18249110.40
A66	500.00	Square metre	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing WBM surface including picking the road metalled surface, thoroughly cleaning the WBM surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum./Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	₹ 362.60	Sqm	Rupees Three Hundred and Sixty-Two and Sixty Paise Only	181300.00
A67	500.00	Square metre	Providing and laying 75mm thick compacted Modified Pentration Macadam with VG-30 bitumen over existing BT surface including picking the road metalled surface, thoroughly cleaning the BT surface by using mechanical broom or approved equipment, spreading 40mm size metal (30% Crushed metal +70% Hand broken) by brining blasted rubble on site of work) at the rate of 0.09Cum/Sqm Compacting metal with roller and bitumen is them spread at rate of 2kg/ sqm. Spreading 12mm metal at rate of 0.018 Cum./Sqm The surface shall be lightly rolled so that metal pieces ge embeded in the bitumen layer and rolling shall continre until entire surface is throughly compacted etc. complete. (With Vibratory Roller including diversion road) Spec. No. As directed bty Engineer- in - charge.	₹ 361.20	Sqm	Rupees Three Hundred and Sixty-One and Twenty Paise Only	180600.00
A68	144894.96	Square metre	Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 5 kg/10 sqm. (VG 30 bulk bitumen rates are considered to arrive at rates) Spec.Rd.47.3.3 Page No. 224	₹ 33.60	Sqm	Rupees Thirty-Three and Sixty Paise Only	4868470.66
A69	15716.49	Square metre	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 10.0 kg/sqm using mechanical means.	₹ 60.80	Sqm	Rupees Sixty and Eighty Paise Only	955562.59
A70	165.00	Cubic metre	BITUMINOUS MACADAM 3.00 % : Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS, laid over a previously preparec surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.00 % using specified grade of Bitumen. -- USING batch Mix type hot mix plant with SCADA, Sensor Paver, vibratory roller. (VG30 bulk bitumen rates are considered to arrive at rates)	₹ 8,496.20	Cum	Rupees Eight Thousand and Four Hundred and Ninety-Six and Twenty Paise Only	1401873.00



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A71	1928.21	Cubic metre	BITUMINOUS MACADAM 3.50 %: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 3.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	₹ 9,095.60	Cum	Rupees Nine Thousand and Ninety-Five and Sixty Paise Only	17538220.55
A72	2897.90	Cubic metre	DENSE BITUMINOUS MACADAM 4.50%: Proving and laying bituminous macadam using crushed aggregates of Grading 2, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50/75 mm compacted thickness with 4.50 % VG-30 Bitumen. - USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V- Sat attachment.	₹ 11,105.50	Cum	Rupees Eleven Thousand and One Hundred and Five and Fifty Paise Only	32182619.57
A73	2026.43	Cubic metre	BITUMINOUS CONCRETE 6.25 %:- Providing and laying bituminous concrete using crushed aggregates of grading 2, premixed with bituminous binder @ 6.25 per cent by weight of total mix and filler, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for30/40 mm compacted thickness with VG-30 Bitumen,Excluding prime / tack coat. For Bitumen VG-30 bulk -- USING batch mix type hot mix plant with SCADA, Sensor Paver, Intelligent Compactor with compaction analyzer and V-Sat attachment with Stone Dust filler Spec No.: MOST 1995 Cl.No.511	₹ 13,468.80	Cum	Rupees Thirteen Thousand and Four Hundred and Sixty-Eight and Eighty Paise Only	27293618.10
A74	0.00	Cubic metre	Providing and laying White Topping as per IRC-SP 76-2015 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DLC to correct surface profile and to be paid separately) with unreinforced M-40 grade Pavement Quality Concrete using Ordinary Portland Cement (OPC 43/OPC 53-Grade) at 357kg/cum (Replacement of Fly Ash is not Allowed) coarse aggregate, fine aggregate and Admixture confirming to IS 9130-1999 (R-2004) polymeric synthetic fibre as per ASTM (1116) such as polyester / polyethylene / polypropylene / Glass fibre at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth covered over concrete surface, groove cutting grid 1m x 1m to a depth of 1/3 of the Thickness and of width 3-5 mm as per design including cost of all material, side form work, sealing joints labour and HOM of machineries etc. complete as per specifications..	₹ 8,418.35	cum	Rupees Eight Thousand and Four Hundred and Eighteen and Thirty-Five Paise Only	
A75	738.06	Kilogram	Organosilance Nanotechnology for Bituminous organosilance nanotechnology such as Zycotherm added in the bitumen binder @ 0.1% dosage to the weight of the bitumen at HMA plant to schive chemical bonding, complete coating and consistant compaction in various bituminous mixes such as BM/ DBM/ Carpet/ sealcoat/ MSS/SDBC etc. as per the direction of Engineer-in-charge with prior approval of concerned Superitending Engineer.	₹ 1,470.00	kg	Rupees One Thousand and Four Hundred and Seventy Only	1084948.88



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A76			Providing and fixing on walls/ ceiling/ floor mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete				
	400.00	Running Metre	15 mm	₹ 279.30	Rmt	Rupees Two Hundred and Seventy-Nine and Thirty Paise Only	111720.00
	200.00	Running Metre	25 mm	₹ 393.80	Rmt	Rupees Three Hundred and Ninety-Three and Eighty Paise Only	78760.00
	100.00	Running Metre	32 mm	₹ 452.60	Rmt	Rupees Four Hundred and Fifty-Two and Sixty Paise Only	45260.00
	75.00	Running Metre	40 mm	₹ 566.00	Rmt	Rupees Five Hundred and Sixty-Six Only	42450.00
	200.00	Running Metre	50mm	₹ 778.00	Rmt	Rupees Seven Hundred and Seventy-Eight Only	155600.00
A77	90.00	Numbers	Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete.	₹ 1,310.40	No	Rupees One Thousand and Three Hundred and Ten and Forty Paise Only	117936.00
A78	50.00	Numbers	Providing and making ISI Mark ferrule connection of 50mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete	₹ 9,391.20	No	Rupees Nine Thousand and Three Hundred and Ninety-One and Twenty Paise Only	469560.00
A79			Providing , laying and fixing jointing Eco- drain mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.				
	240.00	Running Metre	110mm	₹ 343.40	Rmt	Rupees Three Hundred and Forty-Three and Forty Paise Only	82416.00
	180.00	Running Metre	160mm	₹ 533.40	Rmt	Rupees Five Hundred and Thirty-Three and Forty Paise Only	96012.00
A80	42.78	Cubic metre	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. Complete	₹ 7,917.10	Cum	Rupees Seven Thousand and Nine Hundred and Seventeen and Ten Paise Only	338693.54
A81	37.80	Cubic metre	Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in external walls of plinth including bailing out water manually , striking joints inside and raking out joints from outside and watering etc.complete	₹ 13,152.80	Cum	Rupees Thirteen Thousand and One Hundred and Fifty-Two and Eighty Paise Only	497175.84
A82	38.76	Cubic metre	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.	₹ 6,140.90	Cum	Rupees Six Thousand and One Hundred and Forty and Ninety Paise Only	238021.28



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A83	1.04	Cubic metre	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/ pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	₹ 8,172.60	Cum	Rupees Eight Thousand and One Hundred and Seventy-Two and Sixty Paise Only	8458.64
A84	78.00	Square metre	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc complete.	₹ 438.30	Sqm	Rupees Four Hundred and Thirty-Eight and Thirty Paise Only	34187.40
A85	39.00	Square metre	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	₹ 722.00	Sqm	Rupees Seven Hundred and Twenty-Two Only	28158.00
A86	2760.00	Square metre	Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.	₹ 37.80	Sqm	Rupees Thirty-Seven and Eighty Paise Only	104328.00
A87	200.00	Square metre	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary	₹ 309.80	Sqm	Rupees Three Hundred and Nine and Eighty Paise Only	61960.00
A88	250.00	Square metre	Providing and applying two coats of flat oil paint of approved colour to the old structural steel work and iron work previously painted in building including scaffolding, if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.	₹ 89.30	Sqm	Rupees Eighty-Nine and Thirty Paise Only	22325.00
A89	2760.00	Square metre	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat	₹ 92.40	Sqm	Rupees Ninety-Two and Forty Paise Only	255024.00
A90	24.00	Square metre	Providing and laying matt finish ceramic tiles of having size 30 cm x 30 cm confirming to .S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete.	₹ 1,251.90	Sqm	Rupees One Thousand and Two Hundred and Fifty-One and Ninety Paise Only	30045.60
A91	20.00	Running Metre	Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentDeleted ire 0.75 mm dia) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete.	₹ 962.90	Rmt	Rupees Nine Hundred and Sixty-Two and Ninety Paise Only	19258.00



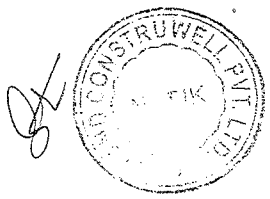
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A92	20.00	Running Metre	Providing and fixing Guard Railing of 1000mm height as per Type D Drg. No. 15 dt. 20-4-79, and fixed in 40 x 40 x 6mm iron, angle embedded in 1:2:4 cement concrete bedding patti as per detailed drawing, with 3 coats of approved of yellow and black paint	₹ 2,936.80	Rmt	Rupees Two Thousand and Nine Hundred and Thirty-Six and Eighty Paise Only	58736.00
A93	20.00	Running Metre	Providing railing of cast in situ R.C.C posts with (M-20) cement concrete trap / granite / quartzite / gneiss metal size 150 mm x 150 mm x 1,240 mm and horizantal 3 nos. at distance 370 mm C/C and bottom bar 150 mm above kerb as per the detailed drawings (including cost of reinfortement) scaffolding,steel centering, plywood/steel formwork etc. complete. The C.M. 1:3 plaster is considered for renderinguneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering/formwork will not be allowed).	₹ 2,623.90	Rmt	Rupees Two Thousand and Six Hundred and Twenty-Three and Ninety Paise Only	52478.00
A94	50.00	Cubic metre	Providing and laying in situ / ready mix M20 cement concrete of trap /granite /quartzite /gneiss metal for approach slab including compacting, finishing, curing etc. complete. (excluding reinforcement) (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand, cement6.40 bags/cumt)	₹ 8,236.30	Cum	Rupees Eight Thousand and Two Hundred and Thirty-Six and Thirty Paise Only	411815.00
A95	2.25	Metric metre	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	₹ 1,06,936.20	MT	Rupees One Lakh and Six Thousand and Nine Hundred and Thirty-Six and Twenty Paise Only	240606.45
A96	10.00	Cubic metre	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	₹ 2,049.00	Cum	Rupees Two Thousand and Forty-Nine Only	20490.00
A97	18.00	Cubic metre	Providing and laying in-situ M30 Grade unreinforced plain cement concrete pavement over a prepared subbas with 43 grade cement ,coarse and fine aggregate (natural sand/VSI grade finely washed crushed sand) conforming to IS383, using fine and coarse aggregates combined gradation asper Table 600-3 of MORTH Specification 2013, mixed in a batching and mixing plant/non tilting mixer and Weigh batcher as per approved mix design,admixtures, transporting to suring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-in-charge. with fully automaticmicro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete.	₹ 8,584.20	Cum	Rupees Eight Thousand and Five Hundred and Eighty-Four and Twenty Paise Only	154515.60
A98	5.00	Square metre	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete	₹ 4,616.10	Sqm	Rupees Four Thousand and Six Hundred and Sixteen and Ten Paise Only	23080.50

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Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A99	8.67	Running Metre	Providing and erectingc hain link fencing1.6M. height with G.I.chain link of size 50 x50mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S.Angles of 40x40x6 mm size, includind excavating pits for foundation and embedded in C.C.block of 1:4:8 mix of size 450x450x670 mm. at 1.75M. c/c with iron bar 16mmdia as hold fast including welding link with angle frame at 30cmc/c withnuts and bolts and horizontal M.S. Angles at top and bottom of 25x25x5 mm size and vertical M.S. flat 35x5mm and 25x5 mm horizontal including cross ,support of 40x40x6mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450x450x670 mm including 3 coats of oil painting etc. complete.	₹ 2,728.00	Rmt	Rupees Two Thousand and Seven Hundred and Twenty-Eight Only	23656.34
A100	5.00	Square metre	Providing and fixing mild steel grill gate with angle iron frame 65mmx65mmx10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/ Smt.	₹ 3,349.50	Sqm	Rupees Three Thousand and Three Hundred and Forty-Nine and Fifty Paise Only	16747.50
A101	5.00	Square metre	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One SquareMetre as per crawing including fixtures, necessary weldingand painting with onecoats of anticorrosivepaint and twocoatsof oil painting complete.	₹ 2,201.80	Sqm	Rupees Two Thousand and Two Hundred and One and Eighty Paise Only	11009.00
A102	4876.92	Square metre	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing g.ass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	₹ 699.30	Sqm	Rupees Six Hundred and Ninety-Nine and Thirty Paise Only	3410430.16
A103	37.65.20	Numbers	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer.	₹ 384.30	No	Rupees Three Hundred and Eighty-Four and Thirty Paise Only	14282586.36

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Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A104	400.00	Numbers	Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive and complete as directed by the engineer The contractor shall submit a two year warranty for satisfactory field performance including stipulated retroreflectance of the reflecting panel, to the Engineer.	₹ 4,189.50	No	Rupees Four Thousand and One Hundred and Eighty-Nine and Fifty Paise Only	1675800.00
A105	15.00	Numbers	Providing and Fixing of Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm, the body structure shall be rounded at its acute angle, all the corners and edges. The plastic used for molding the Median Marker shall have a minimum Notched Izod Impact strength value of 600 J/m at room temperature, when tested in accordance with ASTM D256 and shall retain at least 70% of this value when subjected to accelerated weathering for 1000hrs as per ASTM G155 or, UL746C. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have rectangular-shaped, fluorescent yellow color retro- reflective sheeting of size not less than 8.5cm*8.5cm and with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2010 and ASTM D4956 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Median Marker shall be fixed by a combination of epoxy adhesive and grouting.	₹ 480.90	No	Rupees Four Hundred and Eighty and Ninety Paise Only	7213.50
A106	20.00	Numbers	Road Delineators: Supplying and installation of delineators (Roadway Indicators, Hazard markers, Object markers) 80 to 100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80x100mm rectangular or 75mm dia Circular reflectorised panels at the top, buried or pressed into the ground and confirming to I.R.C. 79 and the drawings	₹ 863.10	No	Rupees Eight Hundred and Sixty-Three and Ten Paise Only	17262.00



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A107	20.00	Numbers	Providing and fixing steel pipe delineators of 10 cm. in diameter and total height of 130 cm, provided with 2 strips of white retroreflective sheeting of size 5 cm. x 32.5 cm. each fixed horizontally and 2 strips of red retroreflective sheeting each having size 5 cm. x 32.5 cm. fixed horizontally at top, with M.S. round cap having diameter 11 cm. and wire mesh at top (10 guage thick) and height of wire mesh 15 cm, M.S. hold fast 6 mm thick with 35 cm. in length, fixing the delineators in C.C. 1:4:8 concrete block of size 25 cm. x 25 cm. x 45 cm. with necessary excavation etc. complete.	₹ 1,056.30	No	Rupees One Thousand and Fifty-Six and Thirty Paise Only	21126.00
A108			Providing and fixing Mandatory/Regulatory sign boards in circular shape of____ mm dia made out of ____aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Class C (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.				
	10.00	Numbers	500 mm dia made out of 3mm aluminum composite material	₹ 5,665.80	No	Rupees Five Thousand and Six Hundred and Sixty-Five and Eighty Paise Only	56658.00
	10.00	Numbers	750 mm dia made out of 4mm aluminum composite materjal	₹ 7,519.10	No	Rupees Seven Thousand and Five Hundred and Nineteen and Ten Paise Only	75191.00
A109			Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of ___mm made out of____ mm aluminum sheet bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflective symbols, letters, numerals, arrow as per IRC:67- 2012 Table No 8.3 Supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with grey stove enamel paint and supported on one no. of M. S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.45 m long, duly painted with with flat oil paint having alternate black and white bands of 25 cm width including G.I fixtures etc; fixing the boards in M25 grade concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. ClassC (Type XI Micro prismatic grade sheeting) shall have 10 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier				
	5.00	Numbers	600 mm made out of 3mm aluminum composite material	₹ 4,524.40	No	Rupees Four Thousand and Five Hundred and Twenty-Four and Forty Paise Only	22622.00

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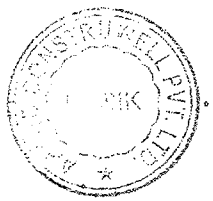
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	5.00	Numbers	750 mm made out of 4mm aluminum composite material	₹ 5,205.90	No	Rupees Five Thousand and Two Hundred and Five and Ninety Paise Only	26029.50
	5.00	Numbers	900 mm made out of 4mm aluminum composite material	₹ 6,647.60	No	Rupees Six Thousand and Six Hundred and Forty-Seven and Sixty Paise Only	33238.00
A110			Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area less than 0.9 One Square Meterr made out of ____mm aluminum sheet bonded with white retro reflective sheeting of Class __ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on one no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of ep xy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete The nut bolts of board with angle iron post/ supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the				
	8.10	Square metre	4mm aluminum composite material Class C	₹ 13,891.50	Sqm	Rupees Thirteen Thousand and Eight Hundred and Ninety-One and Fifty Paise Only	112521.15
A111			Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 square meter made out of__aluminum sheet bonded with white retro reflective sheeting of Class ____ (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt long firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including GI fixures and transportation etc.complete.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity microprismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued				



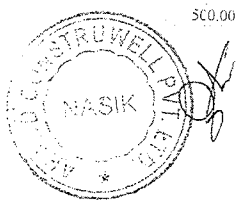
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	8.10	Square metre	4mm aluminum composite material Class C	₹ 16,722.30	Sqm	Rupees Sixteen Thousand and Seven Hundred and Twenty-Two and Thirty Paise Only	135450.63
A112			Providing and erecting Overhead signs made out of __aluminum sheet bonded with white retro reflective sheeting of Class ___(Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow as per IRC:67-2012, with designed back support frame of mild steel angle with vertical and lateral clearance given in clause 801 and 802, duly painted on back side with two coats of grey stove enamel paint and installed as per clause 802.6 over a designed support system of structural steel work trestles and trusses of sections and type as per structural design requirements and approved plans including painting with one coat of epoxy primer and two coats of epoxy finish paint.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) sheeting shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed areas and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in				
	8.10	Square metre	4mm aluminum composite material Class C	₹ 10,839.10	Sqm	Rupees Ten Thousand and Eight Hundred and Thirty-Nine and Ten Paise Only	87796.71
A113	75.00	Running Metre	Metal Beam Crash Barrier- -Type A,W: Metal Beam Crash Barrier (Providing and erecting a W metal beam crash barrier comprising of 3mm thick corrugated sheet metal beam rail, 70 cm above road/ ground level, fixed on ISMC serieschannel vertical post,150x75x5mm spaced 2m centre to centre, 1.8m high, 1.1m below ground/ road level, all steel part sand fitments to be galvanised by hot dipprocess, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section150x75x5 mm, 330 mm long complete as per clause 810)""	₹ 5,157.60	Rmt	Rupees Five Thousand and One Hundred and Fifty-Seven and Sixty Paise Only	386820.00
A114	12.00	Cubic metre	Providing and Constructing gabion structure 1Meter hight or required section made up of soft mechanically woven hexagonal shapedG.I. wire confirming to IS 16014:2012 having zinc plus PVC coating of overall diameterof 3.7mm and tying lacing wire of 3.2 mm with edge wire confirming to overall diameter 4.4 mm edges being mechanically selvedge including placing in position, fitting neatly with trap stone rubble (15 to 23 cm) all loose ends to be securely tied (Excluding transportation) etc. complete .(In Dry condition and for under water installation extra cost to be considered)	₹ 5,271.80	cum	Rupees Five Thousand and Two Hundred and Seventy-One and Eighty Paise Only	63261.60
A115	14.00	Numbers	Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish.	₹ 18,958.80	No	Rupees Eighteen Thousand and Nine Hundred and Fifty-Eight and Eighty Paise Only	265423.20



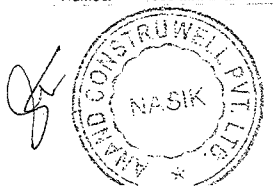
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
A116			Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)				
	320.00	Numbers		₹ 21,916.65	No	Rupees Twenty-One Thousand and Nine Hundred and Sixteen and Sixty-Five Paise Only	7013328.00
			TOTAL CIVIL COST				**₹ 37,94,71,753.54**
			PART B- Water Supply				
B1			Providing DI Pipes (push on joints pressure pipes of DI of following class & Dia meters confirming to the Indian Standard Specification inclusive cost of jointing materials (Rubber Gasket of EPDM Quality) including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, Third Party Inspection charges of TPI agency approved by the MJP including transit insurance, Railway freight, unloading from railway wagon, loading in to the truck, transportation to departmental store / site of work, unloading, stacking etc. completed as directed by Engineer-in-Charge (IS:1536:2001 for pipes & IS:158:1969 & 15:12820:1989 or latest edition / revision with amendments for rubber gaskets). (IS:8329:2000 latest version) MJP DSR Page no 53 Sr No 3				
			SECTION-I(I) C.I./D.I. PIPES (69)				
			D.I K – 7				
	50.00	Running Metre	i) 100 mm Dia.	₹ 1,209.00	Rmt	Rupees One Thousand and Two Hundred and Nine Only	60450.00
	50.00	Running Metre	ii) 150 mm Dia.	₹ 1,686.00	Rmt	Rupees One Thousand and Six Hundred and Eighty-Six Only	84300.00
	50.00	Running Metre	iii) 200 mm Dia.	₹ 2,236.00	Rmt	Rupees Two Thousand and Two Hundred and Thirty-Six Only	111800.00
	50.00	Running Metre	iv) 250 mm Dia.	₹ 2,906.00	Rmt	Rupees Two Thousand and Nine Hundred and Six Only	145300.00
	50.00	Running Metre	v) 300 mm Dia.	₹ 3,571.00	Rmt	Rupees Three Thousand and Five Hundred and Seventy-One Only	178550.00
	50.00	Running Metre	vi) 350 mm Dia.	₹ 4,465.00	Rmt	Rupees Four Thousand and Four Hundred and Sixty-Five Only	223250.00
	50.00	Running Metre	vii) 400 mm Dia.	₹ 5,328.00	Rmt	Rupees Five Thousand and Three Hundred and Twenty-Eight Only	266400.00
	50.00	Running Metre	viii) 450 mm Dia.	₹ 6,346.00	Rmt	Rupees Six Thousand and Three Hundred and Forty-Six Only	317300.00
B2			Providing and supplying ISI standard CI flanged / S& S specials including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, railway freight, insurance, unloading from railway wagon, loading into truck transport to departmental store /site, unloading stacking etc. complete. MJP DSR Page no 72 Sr No 6 (a)				
			SECTION-I(I) C.I./D.I. PIPES (70)				
	500.00	Kilogram	D/F specials up to 300 mm	₹ 88.00	kg	Rupees Eighty-Eight Only	44000.00
	500.00	Kilogarm	Above 350 mm upto 600 mm dia.	₹ 94.00	kg	Rupees Ninety-Four Only	47000.00



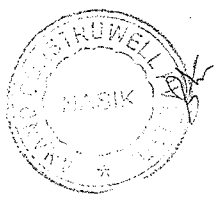
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
B3			Supply of C. I. Mechanical Compression Flanged / Socket Tail piece(Popularly known as I TM Flanged / Socket Tailpiece) suitable for making flanged connection with the plain barrel of C. I. Spun Pipes (as per - IS - 1536 /2001) and D. I. Pipes (as per IS: 8329 / 2000).The Tailpiec to be supplied complete with sealing rubber gasket of S.B.R., C.I.. Follower Glands and M.S. Nut Bolts.The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538 /1993. The rates are inclusive of cost of material, forwarding charges,including all statutary duties and taxes such as GST levied by GoI and GoM in all respect, loading, transportation and unloading at departemental store etc. complete as directed. Consignee but exclusive of octroi. MJP DSR Page No. 143 Sr.No. 1				
			SECTION-I(XIII) MECHANICLA JOINTS/ FITTING (161)				
	30.00	Number	80 mm Dia.	₹ 1,311.00	No	Rupees One Thousand and Three Hundred and Eleven Only	39330.00
	30.00	Number	100 mm Dia.	₹ 1,430.00	No	Rupees One Thousand and Four Hundred and Thirty Only	42900.00
	30.00	Number	125 mm Dia.	₹ 1,800.00	No	Rupees One Thousand and Eight Hundred Only	54000.00
	30.00	Number	150 mm Dia.	₹ 2,574.00	No	Rupees Two Thousand and Five Hundred and Seventy-Four Only	77220.00
	30.00	Number	200 mm Dia.	₹ 3,335.00	No	Rupees Three Thousand and Three Hundred and Thirty-Five Only	100050.00
	30.00	Number	250 mm Dia.	₹ 5,031.00	No	Rupees Five Thousand and Thirty-One Only	150930.00
	30.00	Number	300 mm Dia.	₹ 5,632.00	No	Rupees Five Thousand and Six Hundred and Thirty-Two Only	168960.00
	30.00	Number	350 mm Dia.	₹ 7,427.00	No	Rupees Seven Thousand and Four Hundred and Twenty-Seven Only	222810.00
	30.00	Number	400mm Dia.	₹ 9,694.00	No	Rupees Nine Thousand and Six Hundred and Ninety-Four Only	290820.00
	30.00	Number	450mm Dia.	₹ 11,380.00	No	Rupees Eleven Thousand and Three Hundred and Eighty Only	341400.00
B4			Supply of C.I. mechanical compression collar coupling suitable for C.I. spun pipes (as per IS-1536/2001) and complete with sealing rubber gasket of SBR, C.I., follower glands and M.S. nut bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS:1538/1993) including all statutary duties and taxes such as GST levied by GoI and GoM in all respect,MJP DSR Page No. 143 Sr.No. 2				
			SECTION-I(XIII) MECHANICLA JOINTS / FITTING (161)				
	25.00	Number	80 mm Dia.	₹ 826.00	No	Rupees Eight Hundred and Twenty-Six Only	20650.00
	25.00	Number	100 mm Dia.	₹ 886.00	No	Rupees Eight Hundred and Eighty-Six Only	22150.00
	25.00	Number	125 mm Dia.	₹ 1,181.00	No	Rupees One Thousand and One Hundred and Eighty-One Only	29525.00
	25.00	Number	150 mm Dia.	₹ 1,593.00	No	Rupees One Thousand and Five Hundred and Ninety-Three Only	39825.00
	25.00	Number	200 mm Dia.	₹ 1,818.00	No	Rupees One Thousand and Eight Hundred and Eighteen Only	45450.00
	25.00	Number	250 mm Dia.	₹ 2,914.00	No	Rupees Two Thousand and Nine Hundred and Fourteen Only	72850.00
	25.00	Number	300 mm Dia.	₹ 3,729.00	No	Rupees Three Thousand and Seven Hundred and Twenty-Nine Only	93225.00
	25.00	Number	350 mm Dia.	₹ 4,597.00	No	Rupees Four Thousand and Five Hundred and Ninety-Seven Only	114925.00
	25.00	Number	400 mm Dia.	₹ 7,154.00	No	Rupees Seven Thousand and One Hundred and Fifty-Four Only	178850.00
	25.00	Number	450 mm Dia.	₹ 8,033.00	No	Rupees Eight Thousand and Thirty-Three Only	200825.00
B5			Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete. MJP DSR Page No. 34 Sr.No. 1				
			SECTION-EXCAVATION (40)				
	500.00			₹ 93.45	Bhp/hr	Rupees Ninety-Three and Forty-Five Paise Only	46725.00



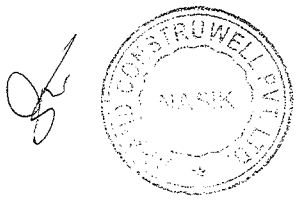
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
B6			Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outsideincluding all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores / site, and stacking, etc. complete. MJP DSR Page no 72 Sr No 7 (d)				
			SECTION-I(I) C.I./D.I. PIPES (70)				
	300.00	Kilogram	D/F of all diametors	₹ 95.00	kg	Rupees Ninety-Five Only	28500.00
B7			Providing and making flanged joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of all jointing materials (rubber packing, nut bolts, etc.), labour, hydraulic testing etc. complete. MJP DSR Page No. 56 Sr.No. 8				
			SECTION-I(I)C.I./D.I.PIPES (71)				
	15.00	Joint	80 mm Dia.	₹ 331.80	Joint	Rupees Three Hundred and Thirty-One and Eighty Paise Only	4977.00
	15.00	Joint	100 mm Dia.	₹ 571.20	Joint	Rupees Five Hundred and Seventy-One and Twenty Paise Only	8568.00
	15.00	Joint	150 mm Dia.	₹ 1,146.60	Joint	Rupees One Thousand and One Hundred and Forty-Six and Sixty Paise Only	17199.00
	15.00	Joint	200 mm Dia.	₹ 1,188.60	Joint	Rupees One Thousand and One Hundred and Eighty-Eight and Sixty Paise Only	17829.00
	15.00	Joint	250 mm Dia.	₹ 1,703.10	Joint	Rupees One Thousand and Seven Hundred and Three and Ten Paise Only	25546.50
	15.00	Joint	300 mm Dia.	₹ 1,769.25	Joint	Rupees One Thousand and Seven Hundred and Sixty-Nine and Twenty-Five Paise Only	26538.75
	15.00	Joint	450 mm Dia.	₹ 3,508.05	Joint	Rupees Three Thousand and Five Hundred and Eight and Five Paise Only	52620.75
	15.00	Joint	600 mm Dia.	₹ 3,898.65	Joint	Rupees Three Thousand and Eight Hundred and Ninety-Eight and Sixty-Five Paise Only	58479.75
B8			Providing and making Mechanical joints to flanged C.I./M.S. pipes of all classes/specials etc. including cost of , labour, hydraulic testing etc. complete. MJP DSR Page No. Sr.No.				
			SECTION-I(I)C.I./D.I.PIPES (71)				
	10.00	Joint	80 mm Dia.	₹ 265.44	Joint	Rupees Two Hundred and Sixty-Five and Forty-Four Paise Only	2654.40
	10.00	Joint	100 mm Dia.	₹ 456.96	Joint	Rupees Four Hundred and Fifty-Six and Ninety-Six Paise Only	4569.60
	10.00	Joint	150 mm Dia.	₹ 917.28	Joint	Rupees Nine Hundred and Seventeen and Twenty-Eight Paise Only	9172.80
	10.00	Joint	200 mm Dia.	₹ 950.88	Joint	Rupees Nine Hundred and Fifty and Eighty-Eight Paise Only	9508.80
	10.00	Joint	300 mm Dia.	₹ 1,415.40	Joint	Rupees One Thousand and Four Hundred and Fifteen and Forty Paise Only	14154.00
	10.00	Joint	450 mm Dia.	₹ 2,806.44	Joint	Rupees Two Thousand and Eight Hundred and Six and Forty-Four Paise Only	28064.40
	10.00	Joint	600 mm Dia.	₹ 3,118.92	Joint	Rupees Three Thousand and One Hundred and Eighteen and Ninety-Two Paise Only	31189.20
B9			Cutting and champhering of pipes of following diameters including cost of all materials and labour involved, etc. complete as directed by Engineer-in-charge (for all class of pipes). MJP DSR Page No. 137 Sr.No. 20				
			SECTION-I(XII) PIPES APPURTENANCES (156)				
	15.00	Number	80 mm Dia.	₹ 52.50	No.	Rupees Fifty-Two and Fifty Paise Only	787.50
	15.00	Number	100 mm Dia.	₹ 60.90	No.	Rupees Sixty and Ninety Paise Only	913.50
	15.00	Number	150 mm Dia.	₹ 94.50	No.	Rupees Ninety-Four and Fifty Paise Only	1417.50
	15.00	Number	200 mm Dia.	₹ 118.65	No.	Rupees One Hundred and Eighteen and Sixty-Five Paise Only	1779.75
	15.00	Number	300 mm Dia.	₹ 202.65	No.	Rupees Two Hundred and Two and Sixty-Five Paise Only	3039.75
	15.00	Number	450 mm Dia.	₹ 306.60	No.	Rupees Three Hundred and Six and Sixty Paise Only	4599.00
	15.00	Number	600 mm Dia.	₹ 447.30	No.	Rupees Four Hundred and Forty-Seven and Thirty Paise Only	6709.50



Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
B10			Lowering laying and jointing with SBR ruber gaskets C.I. S/S pipes of various classes with CI / MS specials of following diameter in proper position, grade and alignment as directed by Engineer-in-charge including conveyance of material from stores to site of work, including cost of jointing materials and rubber rings labour, etc. complete. MJP DSR Page No. 54 Sr.No. 2				
			SECTION-I(I)C.I./D.I PIPES (68)				
	15.00	Running Metre	80mm	₹ 61.95	Rmt	Rupees Sixty-One and Ninety-Five Paise Only	929.25
	15.00	Running Metre	100mm	₹ 75.60	Rmt	Rupees Seventy-Five and Sixty Paise Only	1134.00
	11.00	Running Metre	150mm	₹ 100.80	Rmt	Rupees One Hundred and Eighty Paise Only	1108.80
	11.00	Running Metre	200mm	₹ 133.35	Rmt	Rupees One Hundred and Thirty-Three and Thirty-Five Paise Only	1466.85
	11.00	Running Metre	300mm	₹ 189.02	Rmt	Rupees One Hundred and Eighty-Nine and Two Paise Only	2079.22
	11.00	Running Metre	450mm	₹ 283.50	Rmt	Rupees Two Hundred and Eighty-Three and Fifty Paise Only	3118.50
	11.00	Running Metre	600mm	₹ 429.45	Rmt	Rupees Four Hundred and Twenty-Nine and Forty-Five Paise Only	4723.95
B11			Providing ISI mark GI. pipe of following class and dia. including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004.				
	SECTION-(III) G.I PIPES (93)		G.I.PIPE - medium grade MJP DSR Page no 82 Sr No 1B				
			b) Medium				
	15.00	Running Metre	15mm Dia.	₹ 105.00	Rmt	Rupees One Hundred and Five Only	1575.00
	15.00	Running Metre	20mm Dia.	₹ 135.00	Rmt	Rupees One Hundred and Thirty-Five Only	2025.00
	15.00	Running Metre	25 mm Dia.	₹ 206.00	Rmt	Rupees Two Hundred and Six Only	3090.00
	15.00	Running Metre	40 mm Dia.	₹ 299.00	Rmt	Rupees Two Hundred and Ninety-Nine Only	4485.00
	15.00	Running Metre	50 mm Dia.	₹ 413.00	Rmt	Rupees Four Hundred and Thirteen Only	6195.00
B12			Welding in all positions with required number of runs, for M. S. pipes internally and / or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification. MJP DSR Page No. 194 Sr.No. 7				
	SECTION-I(XVI) M. S. PIPE LAYING (186)		Butt joints - 10 mm thick				
	150.00	Running Metre		₹ 1,484.70	Rmt	Rupees One Thousand and Four Hundred and Eighty-Four and Seventy Paise Only	222705.00
B13	I) M. S. PIPE LAYING (187)		Gas cutting (either square cut or V cut) pipes, plates, etc. of thickness MJP DSR Page No. 196 Sr.No. 13				
	10.00	Running Metre	5 to 10 mm thickness	₹ 156.45	Rmt	Rupees One Hundred and Fifty-Six and Forty-Five Paise Only	1564.50
	10.00	Running Metre	10 to 14mm thickness	₹ 200.55	Rmt	Rupees Two Hundred and Fifty-Five Paise Only	2005.50
B14			Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 ProportionValve Chamber with Precast steel fibre reinforced concrete (S.F.R.C.) frame & covers. MJP DSR Page No. 235 Sr.No. 3				
	10.00	Number	90x60x120 cm	₹ 16,139.55	No	Rupees Sixteen Thousand and One Hundred and Thirty-Nine and Fifty-Five Paise Only	161395.50
	8.00	30cm depth	increase in depth of 30Cm	₹ 2,048.55	30cm depth	Rupees Two Thousand and Forty-Eight and Fifty-Five Paise Only	16388.40
	10.00	Number	90x90x120 cm	₹ 20,466.60	No	Rupees Twenty Thousand and Four Hundred and Sixty-Six and Sixty Paise Only	204666.00
	8.00	30cm depth	increase in depth of 30Cm	₹ 2,397.15	30cm depth	Rupees Two Thousand and Three Hundred and Ninety-Seven and Fifteen Paise Only	19177.20
	10.00	Number	120x120x120 cm	₹ 25,321.80	No	Rupees Twenty-Five Thousand and Three Hundred and Twenty-One and Eighty Paise Only	253218.00
B15			Providing and fixing in position steel fibre reinforced concrete (S.F.R.C.) frame and covers of approved make including loading, unloading, transportation, all taxes, etc. complete as directed by Engineer-in-charge (20 tonnes capacity) MJP DSR Page No 137 Sr.No. 17				
	10.00	Number	90x45 cm	₹ 3,665.55	No	Rupees Three Thousand and Six Hundred and Sixty-Five and Fifty-Five Paise Only	36655.50



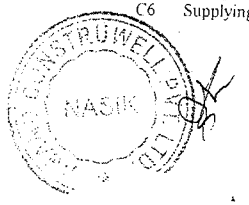
Sr No.	Qty	UNIT	Description	Rate in Fig.	Per	Rate in Words	Amount
	10.00	Number	90x60 cm	₹ 3,973.20	No	Rupees Three Thousand and Nine Hundred and Seventy-Three and Twenty Paise Only	39732.00
B16	SECTION-I(III) G.I PIPES (94)		Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour etc. complete either underground or in vertical position, as directed by Engineer-in-charge. MJP DSR Page No. 73 Sr.No. 2B				
	15.00	Running Metre	15mm Dia.	₹ 36.75	Rmt	Rupees Thirty-Six and Seventy-Five Paise Only	551.25
	15.00	Running Metre	20mm Dia.	₹ 39.90	Rmt	Rupees Thirty-Nine and Ninety Paise Only	598.50
	15.00	Running Metre	25 mm Dia.	₹ 48.30	Rmt	Rupees Forty-Eight and Thirty Paise Only	724.50
	15.00	Running Metre	40 mm Dia.	₹ 72.45	Rmt	Rupees Seventy-Two and Forty-Five Paise Only	1086.75
	15.00	Running Metre	50 mm Dia.	₹ 85.05	Rmt	Rupees Eighty-Five and Five Paise Only	1275.75
B17			Providing and making ISI Mark ferrule connection of 15 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. PWD DSR Page No. 551 Sr.No. 42.72 to 42.77				
	10.00	Number	15mm Dia.	₹ 1,310.40	No.	Rupees One Thousand and Three Hundred and Ten and Forty Paise Only	13104.00
	10.00	Number	25 mm Dia.	₹ 2,642.80	No.	Rupees Two Thousand and Six Hundred and Forty-Two and Eighty Paise Only	26428.00
	10.00	Number	50 mm Dia.	₹ 9,391.20	No.	Rupees Nine Thousand and Three Hundred and Ninety-One and Twenty Paise Only	93912.00
			TOTAL Water Supply				**₹ 53,17,707.37**
			TOTAL CIVIL COST				**₹ 37,94,71,753.59**
			TOTAL WATER SUPPLY				**₹ 53,17,707.37**
			BASIC TOTAL COST OF BOQ (A + B)				**₹ 38,47,89,460.96**



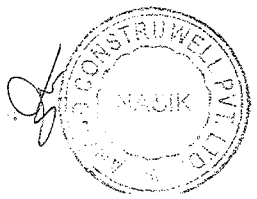
Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
	Part C- Electrical Cost					
C1	Supplying and erecting 7 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation	1	Number	₹ 17,220.00	Rupees Seventeen Thousand and Two Hundred and Twenty Only	17220.00
C2	Supplying and erecting 9 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 155 mm A/F, top 70 mm A/F on provided foundation	19	Number	₹ 21,847.00	Rupees Twenty-One Thousand and Eight Hundred and Forty-Seven Only	415093.00
C3	Supplying and erecting 12 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 240 mm A/F, top 90 mm A/F on provided foundation	1	Number	₹ 34,701.00	Rupees Thirty-Four Thousand and Seven Hundred and One Only	34701.00
C4	Supply and erecting 9m (clear height) Fixed type high-mast (Top-100mm, Bottom- 200mm) with hexagonal /round bracket and foundation bolts suitable for max. 4 Number. flood light fixtures on provided foundation	1	Number	₹ 35,726.00	Rupees Thirty-Five Thousand and Seven Hundred and Twenty-Six Only	35726.00
C5	Supplying and erecting 12.5 m (clear height) motorized high-mast (Top -150mm, Bottom- 360mm) hot dipped galvanized material with average minimum thickness 65 micron, made from high tensile structure grade steel as per BSEN - 10025 S 355/E350 & 3mm thickness, with base plate 25 mm thick x OD 520 mm grade as per IS-2062, pole made in single section & submerge arc welded, with lowering & raising motorized unit, wire rope stainless steel 316 grade 2 Number., 7x19 construction 5mm, SG-DG U clamps, double drum with assembly 250 kg, 5x2.5 Sq.mm. flexible copper cable with lantern carriage assembly suitable for max. 12 Number. luminaries and its control gear box, lightning arrestor, arrangement for fixing aviation light, night glow reflector on pole at suitable height, etc complete	1	Number	₹ 2,30,158.00	Rupees Two Lakhs and Thirty Thousand and One Hundred and Fifty-Eight Only	230158.00
C6	Supplying and erecting galvanised 1000mm single arm sword type bracket with FRP dome and ball	1	Number	₹ 2,710.00	Rupees Two Thousand and Seven Hundred and Ten Only	2710.00



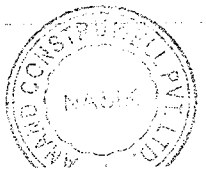
Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C7	Supplying and erecting galvanised 1000mm double arm sword type bracket with FRP dome and ba l	19	Number	₹ 4,500.00	Rupees Four Thousand and Five Hundred Only	85500.00
C8	Providing and fixing galvanised stadium bracket suitable for 6 Number floodlight fixtures	1	Number	₹ 12,150.00	Rupees Twelve Thousand and One Hundred and Fifty Only	12150.00
C9	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation, fixing provided nut bolts with the help of template, duly plastered as per design complete (for 3 to 5m octagonal/ conical GI pole).	1	Number	₹ 4,090.00	Rupees Four Thousand and Ninety Only	4090.00
C10	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 6m to 8m high octagonal pole).	1	Number	₹ 4,873.00	Rupees Four Thousand and Eight Hundred and Seventy-Three Only	4873.00
C11	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 9m high octagonal pole).	19	Number	₹ 6,437.00	Rupees Six Thousand and Four Hundred and Thirty-Seven Only	122303.00
C12	Making M-20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 11m & 12.5m high octagonal pole).	1	Number	₹ 8,953.00	Rupees Eight Thousand and Nine Hundred and Fifty-Three Only	8953.00
C13	Making M-20 cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 2m depth including excavation and fixing provided nut bolts with the help of template, duly plastered as per design complete (for 12.5m raising lowering high mast).	1	Number	₹ 29,037.00	Rupees Twenty-Nine Thousand and Thirty-Seven Only	29037.00
C14	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	1	Number	₹ 11,551.00	Rupees Eleven Thousand and Five Hundred and Fifty-One Only	11551.00
C15	Supplying and erecting FRP box of size 300mm x 200mm x 125 mm, 2.7 mm thick complete on pole/wall	3	Number	₹ 790.00	Rupees Seven Hundred and Ninety Only	2370.00
C16	Supplying and erecting integrated LED street light fitting 70-75W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, etc complete.	1	Number	₹ 5,753.00	Rupees Five Thousand and Seven Hundred and Fifty-Three Only	5753.00
C17	Supplying and erecting integrated LED street light fitting 85-90W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 9300 Lumens, min. efficacy of 110 lumen/W, etc complete.	38	Number	₹ 6,726.00	Rupees Six Thousand and Seven Hundred and Twenty-Six Only	255588.00
C18	Supplying and erecting integrated LED street light fitting 120W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 13000 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete	1	Number	₹ 9,957.00	Rupees Nine Thousand and Nine Hundred and Fifty-Seven Only	9957.00



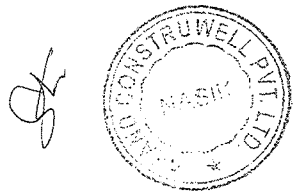
Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C19	Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty	1	Number	₹ 10,357.00	Rupees Ten Thousand and Three Hundred and Fifty-Seven Only	10357.00
C20	Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, etc complete	1	Number	₹ 17,660.00	Rupees Seventeen Thousand and Six Hundred and Sixty Only	17660.00
C21	Supplying and erecting integrated LED flood light fitting Max. 400W IP65 & IK07 class having pressure die-cast aluminium housing, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty	1	Number	₹ 32,750.00	Rupees Thirty-Two Thousand and Seven Hundred and Fifty Only	32750.00
C22	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm. aluminium conductor complete	2500	Metre	₹ 183.00	Rupees One Hundred and Eighty-Three Only	457500.00
C23	Supplying and erecting FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete	50	Metre	₹ 215.00	Rupees Two Hundred and Fifteen Only	10750.00
C24	Supplying and erecting PVC insulated PVC round sheathed FR 1.5 sq.mm (30 no. x 0.25mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 kV	480	Metre	₹ 70.00	Rupees Seventy Only	33600.00
C25	Supplying and erecting mains with WP 2 x 6 sq. mm. 1.1kV. grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire no. 8 SWG complete erected	100	Metre	₹ 85.00	Rupees Eighty-Five Only	8500.00
C26	Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board	48	Number	₹ 250.00	Rupees Two Hundred and Fifty Only	12000.00
C27	Supplying and erecting epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material	4	Number	₹ 2,075.00	Rupees Two Thousand and Seventy-Five Only	8300.00
C28	Making trench in Hard murum/Tar road having 0.75m depth and minimum 0.3m width for laying provided cables up to voltage level 1.1kV cable complete	20	Metre	₹ 219.00	Rupees Two Hundred and Nineteen Only	4380.00
C29	Supplying and erecting 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	1980	Metre	₹ 204.00	Rupees Two Hundred and Four Only	403920.00
C30	Supplying and erecting 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	40	Metre	₹ 333.00	Rupees Three Hundred and Thirty-Three Only	13320.00
C31	Supplying and erecting three phase, 415V, street light control panel upto the max load of 12kW, TPN MCB 63A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54, IK10 protection suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up, auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc. for automatic operation with overcurrent, short circuit, earth fault protection on provided iron frame	1	Number	₹ 31,461.00	Rupees Thirty-One Thousand and Four Hundred and Sixty-One Only	31461.00
C32	Supplying and erecting outdoor stand mounted feeder pillar for high-mast of the same manufacturer with 63A TPN MCB incomer, 24hr astronomical time switch with minimum 5 Years battery backup, 45 A TP contactor for automatic switching of luminaries, 2 no 9A contactors and raise/lower push button, and provision for termination of adequate size of incoming and outgoing cables complete erected in min. 14 SWG CRCA sheet box powder coated with supporting angles, self lock, gasket and slanting top erected on CC foundation complete.	1	Number	₹ 33,144.00	Rupees Thirty-Three Thousand and One Hundred and Forty-Four Only	33144.00



Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C33	Providing, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories	26	Number	₹ 1,537.00	Rupees One Thousand and Five Hundred and Thirty-Seven Only	39962.00
C34	Supplying and erecting 8 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 59,330.00	Rupees Fifty-Nine Thousand and Three Hundred and Thirty Only	59330.00
C35	Supplying and erecting 7 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 55,100.00	Rupees Fifty-Five Thousand and One Hundred Only	55100.00
C36	Supplying and erecting 5 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	5	Number	₹ 54,650.00	Rupees Fifty-Four Thousand and Six Hundred and Fifty Only	273250.00
C37	Supplying and erecting 3 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	1	Number	₹ 45,980.00	Rupees Forty-Five Thousand and Nine Hundred and Eighty Only	45980.00
C38	Supplying and erecting decorative single arm bracket for 3/5 m decorative pole etc complete.	1	Number	₹ 14,800.00	Rupees Fourteen Thousand and Eight Hundred Only	14800.00
C39	Supplying and erecting decorative double arm bracket for 3/5 m decorative pole etc complete.	5	Number	₹ 22,000.00	Rupees Twenty-Two Thousand Only	110000.00
C40	Supplying and erecting decorative single arm bracket for 7/8 m decorative pole etc complete.	1	Number	₹ 19,210.00	Rupees Nineteen Thousand and Two Hundred and Ten Only	19210.00
C41	Supplying and erecting decorative double arm bracket for 7/8 m decorative pole etc complete.	5	Number	₹ 33,500.00	Rupees Thirty-Three Thousand and Five Hundred Only	167500.00
C42	Supplying and erecting decorative integral post top lantern LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Number	₹ 9,975.00	Rupees Nine Thousand and Nine Hundred and Seventy-Five Only	9975.00
C43	Supplying and erecting decorative integral post top lantern LED fixtures of 72 W consisting with accessories on provided pole /bracket	1	Number	₹ 14,000.00	Rupees Fourteen Thousand Only	14000.00
C44	Supplying and erecting decorative integral hanging LED fixtures of 50 W consisting with accessories on provided pole /bracket	1	Number	₹ 7,100.00	Rupees Seven Thousand and One Hundred Only	7100.00
C45	Supplying and erecting decorative integral hanging LED fixtures of 72 W consisting with accessories on provided pole /bracket	10	Number	₹ 9,700.00	Rupees Nine Thousand and Seven Hundred Only	97000.00
C46	Supplying and erecting decorative integral hanging LED fixtures of 120 W consisting with accessories on provided pole /bracket	1	Number	₹ 10,940.00	Rupees Ten Thousand and Nine Hundred and Forty Only	10940.00



Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
C47	Making fabrication work using 16 gauge metal sheet including Iron work with bending, cutting, drilling and welding complete	100	Kilogram	₹ 261.00	Rupees Two Hundred and Sixty-One Only	26100.00
C48	Dismantling the existing pole above 6 m height with brackets, clamps, insulators, stay from the c.c. foundation	1	Number	₹ 1,043.00	Rupees One Thousand and Forty-Three Only	1043.00
	Total Electrical Cost					**₹ 33,16,665.00**



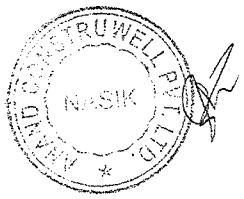
Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

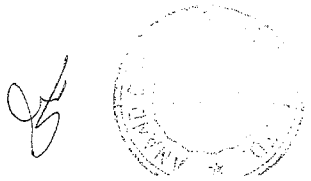
Sr. No	Item	Qty	Unit	Rate in Fig.	Rate in Words	Amount
	Part D- MSEDCL Cost					
D1	Providing and fixing inline cut point D. P. Structure for 11/0.415 kV, 200 KVA Transformer with R.S.J. Pole 2 Number. of size 100 x 116 mm x 11 Metre. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG with 4 Pole MCCB 400 Amps as incomer & 6 Number. 200 Amps Kitkat / MCCB for out going circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Number.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Number. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min.176 Kg. iron work) with necessary clamps, Nut-bolts. V cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.	10	Number	₹ 1,67,122.00	Rupees One Lakh and Sixty-Seven Thousand and One Hundred and Twenty-Two Only	1671220.00
D2	Providing and fixing 3 phase, 11/0.433 kV, 50 Hz., 200 kVA, Mineral oil immersed and naturally cooled outdoor type, aluminium wound Numbern-sealed transformer, delta/star connected with additional neutral brought out on load side, etc complete	0	Number	₹ 3,08,133.00	Rupees Three Lakhs and Eight Thousand and One Hundred and Thirty-Three Only	0.00
D3	Providing and fixing rolled steel joist (girder) pole 152 x 152 mm (37.1kg/m) with base plate in provided foundation	104	Metre	₹ 2,681.00	Rupees Two Thousand and Six Hundred and Eighty-One Only	278824.00
D4	Providing and fixing rolled steel joist (girder) pole 100 x 116 mm (23 kg/m) with base plate in provided foundation	683	Metre	₹ 1,840.00	Rupees One Thousand and Eight Hundred and Forty Only	1256720.00
D5	Providing and fixing rolled steel joist (girder) pole 125 x 70 mm (13.3 kg/m) with base plate in provided foundation	80	Metre	₹ 1,164.00	Rupees One Thousand and One Hundred and Sixty-Four Only	93120.00
D6	Providing and fixing G.I. stay set for poles, including loop insulators at inaccessible height with anchor plate 300x300x6 mm., straining screws, G.I. stay wire 7/8 SWG, G.I. stay rod 20mmx1.8m length and pole clamps duly erected in provided cement concrete foundation complete	15	Number	₹ 2,010.00	Rupees Two Thousand and Ten Only	30150.00

NASIK

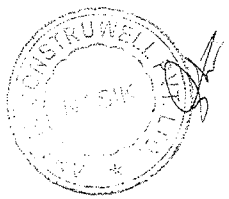
D7	Providing and fixing HT stay wire	225	Kilogram	₹	150.00	Rupees One Hundred and Fifty Only	33750.00
D8	Making Cement concrete foundation including excavation (60 x 60)cm x deep 1/6 of pole length in 1:3:6 cement concrete 20 x 25 mm stone metal, 45cm x 45cm x 45cm/ 45cm dia. x 45cm height plinth	720	Number	₹	3,536.00	Rupees Three Thousand and Five Hundred and Thirty-Six Only	2545920.00
D9	Making Cement concrete foundation including excavation (60 x 60 x 150)cm deep in 1:3:6 cement concrete, (20 to 25) mm stone metal with necessary curing and finishing complete.(for stay).	15	Number	₹	2,491.00	Rupees Two Thousand and Four Hundred and Ninety-One Only	37365.00
D10	Providing and making platform by making excavation for foundation, situ cement concrete of M-10, uncoursed rubble masonry of trap, rubble stone soling 15cm to 20dc thick including hand packing and compacting, situ cement concrete of M20 grade trap, steel bar rainforcement of various diameters for RCC work, sand faced plaster externally in cement mortar, etc complete	5	Cubic Metre	₹	11,551.00	Rupees Eleven Thousand and Five Hundred and Fifty-One Only	57755.00
D11	Providing and fixing various channels, clamp, angle, flat etc fabrication works	806.78	Kilogram	₹	196.00	Rupees One Hundred and Ninety-Six Only	158128.88
D12	Providing and fixing disc type insulator 70 KN with necessary hardware suitable for 33kV line complete	8	Number	₹	2,037.00	Rupees Two Thousand and Thirty-Seven Only	16296.00
D13	Providing and fixing disc type insulator 45KN with necessary hardware suitable for 11kV line, complete	50	Number	₹	1,255.00	Rupees One Thousand and Two Hundred and Fifty-Five Only	62750.00
D14	Providing and fixing pin type insulator with GI pin suitable for 33kV line, complete	19	Number	₹	889.00	Rupees Eight Hundred and Eighty-Nine Only	16891.00
D15	Providing and fixing porcelain pin type insulator with GI pin suitable for 11kV line, complete	129	Number	₹	313.00	Rupees Three Hundred and Thirteen Only	40377.00
D16	Providing and fixing approved make thyrite type lightning arrestor suitable for 33KV line	1	Sets	₹	48,750.00	Rupees Forty-Eight Thousand and Seven Hundred and Fifty Only	48750.00
D17	Providing and fixing approved make thyrite type lightning arrestor suitable for 11KV line	10	Number	₹	1,347.00	Rupees One Thousand and Three Hundred and Forty-Seven Only	13470.00
D18	Providing and fixing isolator suitable for 33KV capacity	1	Number	₹	86,400.00	Rupees Eighty-Six Thousand and Four Hundred Only	86400.00
D19	Providing and fixing air break switch without earth switch 11KV, 400A outdoor type gang operated air break, triple pole switch of required capacity complete	6	Number	₹	16,128.00	Rupees Sixteen Thousand and One Hundred and Twenty-Eight Only	96768.00
D20	Providing and fixing 11 kV outdoor type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15A capacity complete erected on provided cross arm	1	Number	₹	6,603.00	Rupees Six Thousand and Six Hundred and Three Only	6603.00



D21	Providing and fixing ACSR conductor of size - 6/1-4.72 mm (Dog) complete.	1.4	Kilometre	₹	97,655.00	Rupees Ninety-Seven Thousand and Six Hundred and Fifty-Five Only	136717.00
D22	Providing and fixing ACSR conductor of size - 6/1-4.09 mm (Raccon) complete	6.9	Kilometre	₹	77,065.00	Rupees Seventy-Seven Thousand and Sixty-Five Only	531748.50
D23	Providing and fixing Nut bolts, hardware and Sundries, etc	10	Set	₹	15,000.00	Rupees Fifteen Thousand Only	150000.00
D24	Providing and fixing extendable/Numbern-extendable outdoor type 11 kV 630A, load break isolator switch, etc complete	1	Number	₹	1,52,150.00	Rupees One Lakh and Fifty-Two Thousand and One Hundred and Fifty	152150.00
D25	Providing and fixing HT 11 kV 4 way feeder pillar.	1	Number	₹	82,500.00	Rupees Eighty-Two Thousand and Five Hundred Only	82500.00
D26	Providing and fixing HT 33 kV 4 way feeder pillar.	1	Number	₹	2,25,000.00	Rupees Two Lakhs and Twenty-Five Thousand Only	225000.00
D27	Providing and fixing 11 kV HRC fuse 63A for load break switch with necessary nut bolts complete.	3	Number	₹	6,077.00	Rupees Six Thousand and Seventy-Seven Only	18231.00
D28	Dismantling the existing overhead line including G.I. wires of all sizes without damaging & making the coils in suitable sizes.	2.8	Kilometre	₹	1,489.00	Rupees One Thousand and Four Hundred and Eighty-Nine Only	4169.20
D29	Dismantling the existing lightening arrestor set, insulator from DP structure complete.	10	Number	₹	108.00	Rupees One Hundred and Eight Only	1080.00
D30	Dismantling the existing DP, brackets, clamps, insulators, stay, transformer from the c.c. foundation and re-installation of existing transformer.	10	Number	₹	17,500.00	Rupees Seventeen Thousand and Five Hundred Only	175000.00
D31	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 33 kV(E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe	90	Metre	₹	3,991.00	Rupees Three Thousand and Nine Hundred and Ninety-One Only	359190.00
D32	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 300 sq. mm. aluminium conductor laid in provided trench / pipe	261	Metre	₹	2,764.00	Rupees Two Thousand and Seven Hundred and Sixty-Four Only	721404.00
D33	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 185 sq. mm. aluminium conductor laid in provided trench / pipe	50	Metre	₹	2,008.00	Rupees Two Thousand and Eight Only	100400.00
D34	Providing and laying XLPE insulated, galvanised steel formed wire armoured (strip) cable 11 kV (E), 3 x 95 sq. mm. aluminium conductor laid in provided trench / pipe	50	Metre	₹	1,354.00	Rupees One Thousand and Three Hundred and Fifty-Four Only	67700.00
D35	Providing and fixing Heat shrinkable straight through joint kit for 3 x 300sq.mm 33Kv (E) XLPE HT cable etc complete	2	Number	₹	92,799.00	Rupees Ninety-Two Thousand and Seven Hundred and Ninety-Nine Only	185598.00



D36	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material	4	Number	₹	29,627.00	Rupees Twenty-Nine Thousand and Six Hundred and Twenty-Seven Only	118508.00
D37	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material	1	Number	₹	26,804.00	Rupees Twenty-Six Thousand and Eight Hundred and Four Only	26804.00
D38	Providing and fixing Heat shrinkable straight through joint kit for 11 kV (E) XLPE HT cable 3x up to 95 sq. mm. with necessary material	1	Number	₹	22,307.00	Rupees Twenty-Two Thousand and Three Hundred and Seven Only	22307.00
D39	Providing and fixing Heat shrinkable outdoor termination kit for 33kV (E) XLPE HT cable 3x300 sq. mm. to 400 sq. mm. with necessary material	3	Number	₹	33,057.00	Rupees Thirty-Three Thousand and Fifty-Seven Only	99171.00
D40	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x300 sq. mm. with necessary material	10	Number	₹	14,682.00	Rupees Fourteen Thousand and Six Hundred and Eighty-Two Only	146820.00
D41	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material	2	Number	₹	13,197.00	Rupees Thirteen Thousand and One Hundred and Ninety-Seven Only	26394.00
D42	Providing and fixing Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x 95 sq. mm. with necessary material	2	Number	₹	13,964.00	Rupees Thirteen Thousand and Nine Hundred and Sixty-Four Only	27928.00
D43	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 10 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe	100	Metre	₹	183.00	Rupees One Hundred and Eighty-Three Only	18300.00
D44	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 16 sq. mm. aluminium conductor complete	100	Metre	₹	215.00	Rupees Two Hundred and Fifteen Only	21500.00
D45	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 sq. mm. aluminium conductor complete	100	Metre	₹	297.00	Rupees Two Hundred and Ninety-Seven Only	29700.00
D46	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 sq. mm. aluminium conductor complete	100	Metre	₹	386.00	Rupees Three Hundred and Eighty-Six Only	38600.00
D47	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq. mm. aluminium conductor complete	100	Metre	₹	499.00	Rupees Four Hundred and Ninety-Nine Only	49900.00
D48	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 95 sq. mm. aluminium conductor complete	100	Metre	₹	611.00	Rupees Six Hundred and Eleven Only	61100.00
D49	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 sq. mm. aluminium conductor complete	100	Metre	₹	761.00	Rupees Seven Hundred and Sixty-One Only	76100.00



D50	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 sq. mm. aluminium conductor complete	100	Metre	₹	902.00	Rupees Nine Hundred and Two Only	90200.00
D51	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 sq. mm. aluminium conductor complete	400	Metre	₹	1,102.00	Rupees One Thousand and One Hundred and Two Only	440800.00
D52	Providing and laying FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 240 sq. mm. aluminium conductor complete	100	Metre	₹	1,380.00	Rupees One Thousand and Three Hundred and Eighty Only	138000.00
D53	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 2.5 to 16 sq mm., with necessary material	64	Number	₹	2,075.00	Rupees Two Thousand and Seventy-Five Only	132800.00
D54	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 25 to 50 sq mm., with necessary material	5	Number	₹	2,773.00	Rupees Two Thousand and Seven Hundred and Seventy-Three Only	13865.00
D55	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 70 to 95 sq mm., with necessary material	5	Number	₹	3,838.00	Rupees Three Thousand and Eight Hundred and Thirty-Eight Only	19190.00
D56	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 185 sq mm., with necessary material	5	Number	₹	4,014.00	Rupees Four Thousand and Fourteen Only	20070.00
D57	Providing and fixing epoxy straight through joint outdoor/indoor for LT XLPE armoured cable 120 to 240 sq mm., with necessary material	5	Number	₹	6,214.00	Rupees Six Thousand and Two Hundred and Fourteen Only	31070.00
D58	Providing and fixing G.I. pipe 'A' class 75 mm dia. for enclosing XLPE armoured cable on wall/pole	400	Metre	₹	674.00	Rupees Six Hundred and Seventy-Four Only	269600.00
D59	Providing and laying (including excavation) half round reinforced cement concrete pipe of NP-2 class of 150mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.	324	Metre	₹	545.00	Rupees Five Hundred and Forty-Five Only	176580.00
D60	Making trench in Hard murum/Tar road having 0.75m depth and minimum 0.3m width for laying provided cables up to voltage level 1.1kV cable complete	100	Metre	₹	219.00	Rupees Two Hundred and Nineteen Only	21900.00
D61	Providing and laying 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	100	Metre	₹	204.00	Rupees Two Hundred and Four Only	20400.00
D62	Providing and laying 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	400	Metre	₹	333.00	Rupees Three Hundred and Thirty-Three Only	133200.00
D63	Providing and laying 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete.	250	Metre	₹	374.00	Rupees Three Hundred and Seventy-Four Only	93500.00

CONSTRUWELL PVT. LTD. NASIK

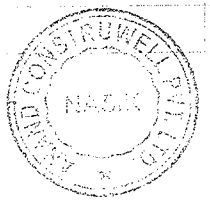
D64	Providing and fixing mains with WP 3 x 6 sq. mm. 1.1kV. grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire Number. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	100	Metre	₹ 142.00	Rupees One Hundred and Forty-Two Only	14200.00
D65	Providing and fixing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories	140	Number	₹ 1,537.00	Rupees One Thousand and Five Hundred and Thirty-Seven Only	215180.00
D66	Providing and fixing GI earth wire of high purity of different sizes used for earthing.	500	Kilogram	₹ 168.00	Rupees One Hundred and Sixty-Eight Only	84000.00
D67	Licencing work for line shifting Co-ordination with MSEDCL etc complete.	1	Job.	₹ 35,000.00	Rupees Thirty-Five Thousand Only	35000.00
D68	Providing and fixing mini feeder pillar with 415V, 315-320A FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and cartridge of 100A aluminium bus bar erected in 14 SWG CRCA sheet box with supporting angles, self locks, gasket and enclosure must be dust proof, rust proof, vermin and water resistant, having slanting top and erected on angle iron/ GI frame in provided C.C. foundation complete	16	Number	₹ 55,236.00	Rupees Fifty-Five Thousand and Two Hundred and Thirty-Six Only	883776.00
	Total MSEDCL Cost					**₹ 1,30,58,608.58**

AMAN CONSTRUWELL PVT. LTD. NASIK

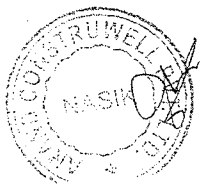
Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Sr. No.	Item in brief	Estimated Quantity	Estimated Unit	Material	Standard Consumption	Utilised Quantity of Ingradients	Tests	Required Tests	Rate of Each Test	Rate in Words	Amount of Q.C.Testing Charges
Part D- Quality Comtrol											
1	2	3	4	5	6	7	9	10	11	12	13
E1	Providing earthwork Departmental Land.	50.00	Cubic Metre	Earth	1.00000	50.00	SOIL / MURUM Compaction Test (Proctor Density).	1	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	1955.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	1	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	1230.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	1	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	7250.00
E2	Providing earthwork from Other sources.	300.00	Cubic Metre	Earth	1.00000	300.00	SOIL / MURUM Compaction Test (Proctor Density).	5	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	9775.00
	Road Subgrade				0.0000	0.00	SOIL / MURUM C.B.R. test (Field determination test)	5	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	13650.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	5	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	6150.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	5	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	36250.00
E3	Supplying Hard Murum	16090.23	Cubic Metre		0.0000	0.00	SOIL / MURUM Sieve Analysis test.	55	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	39875.00
	Road Subgrade			Murum	1.0000	15945.27	SOIL / MURUM Liquid limit & plastic Limit test.	55	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	67650.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	55	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	398750.00
E4	G.S.B. with Gr.I close graded Material by Plant Mix Method	10096.34	Cubic Metre		0.0000	0.00	G.S.B. Mix Design test.	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
	Road Sub Base & Base Course			Cr.Metal	1.2800	12806.89	BASIC TEST OF AGGREGATE. Sieve Analysis test.	38	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	27550.00
					0.0000		SOIL / MURUM Liquid limit & plastic Limit test.	45	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	55350.00
							SOIL / MURUM Compaction Test (Proctor Density).	75	₹ 1,955.00	Rupees One Thousand and Nine Hundred and Fifty-Five Only	146625.00
							SOIL / MURUM C.B.R. Test (Lab) with compaction test.	35	₹ 7,250.00	Rupees Seven Thousand and Two Hundred and Fifty Only	253750.00



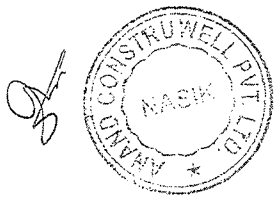
							SOIL / MURUM C.B.R. test (Field determination test)	115	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	313950.00
E5	W.B.M. with Grading-I Using Screening Type-A	2211.12	Cubic Metre	Murum	0.08000	175.30	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	22	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	60060.00
	Road Sub Base & Base Course			Cr.Metal	0.2700	591.62	BASIC TEST OF AGGREGATE. Sieve Analysis test.	23	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	16675.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	21480.00
				Metal	1.2100	2651.35	SOIL / MURUM Sieve Analysis test.	11	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	7975.00
							SOIL / MURUM Liquid limit & plastic Limit test.	15	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	18450.00
E6	W.B.M.with Grading-II.Using Screening Type-B.	1105.56	Cubic Metre	Murum	0.08000	87.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	19	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	51870.00
	Road Sub Base & Base Course			Cr.Metal	0.2400	262.94	BASIC TEST OF AGGREGATE. Sieve Analysis test.	8	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	5800.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	4	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	3580.00
				Metal	1.2100	1325.68	SOIL / MURUM Sieve Analysis test.	1	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	725.00
							SOIL / MURUM Liquid limit & plastic Limit test.	2	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	2460.00
E7	Wet Mix Macadam	3929.12	Cubic Metre		0.0000	0.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	20	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	54600.00
	Road Sub Base & Base Course			Cr.Metal	1.2100	4711.41	BASIC TEST OF AGGREGATE. Sieve Analysis test.	20	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	14500.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	0	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	0.00
					0.0000		Wet Mix Macadam Mix Design test.	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
							SOIL / MURUM Liquid limit & plastic Limit test.	10	₹ 1,230.00	Rupees One Thousand and Two Hundred and Thirty Only	12300.00
							SOIL / MURUM C.B.R. test (Field determination test)	38	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	103740.00



E8	Providing and laying in PCCM 15 grade leveling course below approach slab complete with fully automatic micro process or PLC with SCADA enabled reversible drum type mixer/ concrete batch mix plant (panmixer) as per drawing sand Technical specifications etc.complete with fine agreegates of required specifications (VSI sand finely	2211.12	Cubic Metre	Cement	0.30000	657.36	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	68	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	49300.00
				Sand	0.4400	964.13	BASIC TEST OF AGGREGATE. Sieve Analysis test.	24	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	17400.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	24	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	21480.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	20	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	29000.00
							BASIC TEST OF CEMENT.Standard Consistancy Fineness, Specific Gravity, Setting Time (Initial & Final)	10	₹ 3,960.00	Rupees Three Thousand and Nine Hundred and Sixty Only	39600.00
E9	Dry Lean Cement Concrete	3476.52	Cubic Metre	Cement	0.22000	757.94	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	89	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	64525.00
				Santd	0.4700	1619.24	BASIC TEST OF AGGREGATE. Sieve Analysis test.	28	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	20300.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	28	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	25060.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analys.s),Silt & Clay Content test.	28	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	40600.00
E10	M-20 for R.C.C. beams and lintels with natural/ V.S.I. sand	10.00	Cubic Metre	Cement	0.35000	3.50	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
				Sand	0.4250	4.25	BASIC TEST OF AGGREGATE. Sieve Analysis test.	1	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	725.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analys.s),Silt & Clay Content test.	1	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	1450.00
E11	TMT FE-500 bar reinforcement for R C C 5-Bd-F : REINFORCED CEMENT CONCRETE	0.50	Metric Tonne	Steel	1.00000	0.50	STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)	1	₹ 1,340.00	Rupees One Thousand and Three Hundred and Forty Only	1340.00
					0.0000	0.00	STEEL BAR TESTING Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Y eld Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress).	1	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	1675.00



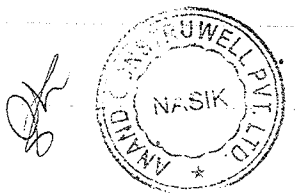
E12	Providing and laying in-situ M-40 Grade unreinforced plain cement concrete pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (Natural Sand/ VSI grade finely washed Crushed Sand) conforming to IS 383, using fine and coarse aggregates combined gradation as per Table 600-3 of MORTH Specification 2013, mixed in a Tilting type Concrete Mixer as per approved mix design, admixtures, spreading, laying, compacting and finished in a continuous operation without paver machine, finishing to lines and grades as directed by Engineer-in-charge and curing by curing compound/ by providing cement vata in cement Mortar 1:8 of 0.6 metre x 0.6 metre centre to centre, admeasuring 80 milimetre at bottom and 40 milimetre at top with depth of 75 milimetre and maintaining the same throughout curing period/ by any other method approved by Engineer-in-charge.	6953.04	Cubic Metre	Cement	0.42500	2928.42	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	141	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	102225.00
	Rigid Pavement			Cr.Metal	0.8500	5856.84	Concrete Mix Design (With all Tests on basic materials).	14	₹ 14,445.00	Rupees Fourteen Thousand and Four Hundred and Forty-Five Only	202230.00
							Concrete Mix Design PQC/DLC by Normal curing method	1	₹ 17,065.00	Rupees Seventeen Thousand and Sixty-Five Only	17065.00
				Sand	0.4000	2756.16	BASIC TEST OF AGGREGATE. Sieve Analysis test.	30	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	21750.00
					0.0000		BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	30	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	26850.00
							FINE AGGREGATES. Fineness Modulus (Sieve Analysis),Silt & Clay Content test.	1	₹ 1,450.00	Rupees One Thousand and Four Hundred and Fifty Only	1450.00
							CONCRETE Flexural strength of Beam test.	82	₹ 780.00	Rupees Seven Hundred and Eighty Only	63960.00
E13	Coloured Paving Blocks 60 mm thick.	250.00	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption test (Set of 8 Blocks).	24	₹ 2,620.00	Rupees Two Thousand and Six Hundred and Twenty Only	62880.00



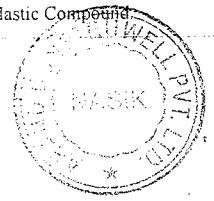
E14	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 milimetre thickness of having a strength of 300 kilogram per square centimetre of approved quality and shape on a bed of crushed sand of 25 to 30 milimetre thick including skirting joints and cleaning etc. complete	14740.80	Square Metre		0.0000	0.00	CONCRETE PAVING BLOCKS Compressive Strength,Water Absorption tes: (Set of 8 Blocks).	57	₹ 2,620.00	Rupees Two Thousand and Six Hundred and Twenty Only	149340.00
E15	75 mm M.P.M. on W.B.M. with 70% Hand Broken Metal.	500.00	Square Metre	Bitumen	0.00200	1.00	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
	Road Sub Base & Base Course			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
				Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
							BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	1	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	3290.00
							BITUMEN Viscosity test.	1	₹ 2,005.00	Rupees Two Thousand and Five Only	2005.00
E16	75 mm M.P.M. on B.T. with 70% Hand Broken Metal.	500.00	Square Metre	Bitumen	0.00230	1.15	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	1	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	2730.00
	Road Sub Base & Base Course			Cr.Metal	0.0450	22.50	BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
				Metal	0.0630	31.50	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
							BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	1	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	3290.00
							BITUMEN Viscosity test.	1	₹ 2,005.00	Rupees Two Thousand and Five Only	2005.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	4	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	13160.00
							BITUMEN Viscosity test.	4	₹ 2,005.00	Rupees Two Thousand and Five Only	8020.00
E17	B.M. Gr-I with Batch Mix SCADA with 3.0% Bitumen VG-30.	165.00	Cubic Metre	Bitumen	0.07260	11.98	B.M. Mix Design with all Tests on aggregate and bitumen.	1	₹ 11,155.00	Rupees Eleven Thousand and One Hundred and Fifty-Five Only	11155.00
	Road Sub Base & Base Course			Cr.Metal	1.4100	232.65	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	1	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	895.00
					0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	1	₹ 780.00	Rupees Seven Hundred and Eighty Only	780.00

CONSTRUWELL PVT. LTD. NASIK

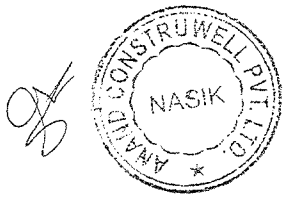
				Bituminous Mix	1.4100	232.65	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	2	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	5460.00
							Density test of Bituminous Core.	5	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	3325.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	2	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	6580.00
							BITUMEN Viscosity test.	2	₹ 2,005.00	Rupees Two Thousand and Five Only	4010.00
							BITUMEN Extraction Test.	2	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	3350.00
							BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
							Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
E18	B.M. Gr-1 3.5% PLC Batch Mix SCADA, VTS, Sensor Paver with VG 30	1898.29	Cubic Metre	Bitumen	0.07260	136.57	B.M. Mix Design with all Tests on aggregate and bitumen.	1	₹ 11,155.00	Rupees Eleven Thousand and One Hundred and Fifty-Five Only	11155.00
	Road Sub Base & Base Course			Cr.Metal	1.4100	2652.48	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	41	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	36695.00
					0.0000		BASIC TEST OF AGGREGATE. Stripping Value test.	20	₹ 780.00	Rupees Seven Hundred and Eighty Only	15600.00
				Bituminous Mix	1.4100	2652.48	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Va.ue Crushing Value test.	34	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	92820.00
							Density test of Bituminous Core.	67	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	44555.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	27	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	88830.00
							BITUMEN Viscosity test.	27	₹ 2,005.00	Rupees Two Thousand and Five Only	54135.00
							BITUMEN Extraction Test.	34	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	56950.00
							BASIC TEST OF AGGREGATE. Sieve Analysis test.	2	₹ 725.00	Rupees Seven Hundred and Twenty-Five Only	1450.00
							Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00



E19	D.B.M. 4.5% SCADA Batch Mix with VG-30 and Stone Dust Filler.	2804.66	Cubic Metre	Bitumen	0.10350	287.67	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	13	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	35490.00
	Road Sub Base & Base Course			Cr.Metal	1.5280	4246.91	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	13	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	11635.00
					0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
							Density test of Bituminous Core.	74	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	49210.00
							Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	₹ 20,355.00	Rupees Twenty Thousand and Three Hundred and Fifty-Five Only	20355.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	29	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	95410.00
							BITUMEN Viscosity test.	29	₹ 2,005.00	Rupees Two Thousand and Five Only	58145.00
							BITUMEN Extraction Test.	16	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	26800.00
							Marshall Stability & Flow measurement test. (Set of 3 moulds).	16	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only	18720.00
E20	B.C. Gr-1 Batch Mix SCADA, VTS, Sensor Paverwith 6.25% VG 30.	1964.27	Cubic Metre	Bitumen	0.12960	252.39	BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity,Impact Value Crushing Value test.	9	₹ 2,730.00	Rupees Two Thousand and Seven Hundred and Thirty Only	24570.00
	Road Sub Base & Base Course			Cr.Metal	1.5720	3061.36	BASIC TEST OF AGGREGATE. Flakiness Index/ Elongation Index test.	9	₹ 895.00	Rupees Eight Hundred and Ninety-Five Only	8055.00
					0.0000		Extraction & Sieve analysis of Bituminous mix (2 Samples of extraction for one sieve analysis including extraction for BM/DBM/BC)	2	₹ 4,125.00	Rupees Four Thousand and One Hundred and Twenty-Five Only	8250.00
							Density test of Bituminous Core.	52	₹ 665.00	Rupees Six Hundred and Sixty-Five Only	34580.00
							Job Mix Design with all Basic Tests on aggregate bitumen for DBM/SDBC/AC.	1	₹ 20,355.00	Rupees Twenty Thousand and Three Hundred and Fifty-Five Only	20355.00
							BITUMEN Penetration, Softening Point, Flash & Fire Point and Specific Gravity test.	26	₹ 3,290.00	Rupees Three Thousand and Two Hundred and Ninety Only	85540.00
							BITUMEN Viscosity test.	26	₹ 2,005.00	Rupees Two Thousand and Five Only	52130.00
							BITUMEN Extraction Test.	11	₹ 1,675.00	Rupees One Thousand and Six Hundred and Seventy-Five Only	18425.00
							Marshall Stability & Flow measurement test. (Set of 3 moulds).	11	₹ 1,170.00	Rupees One Thousand and One Hundred and Seventy Only	12870.00
E21	Road Marking with Hot Applied Thermoplastic Compound	4659.36	Square Metre		0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Glass bead contents & grading analysis Test.	1	₹ 4,070.00	Rupees Four Thousand and Seventy Only	4070.00



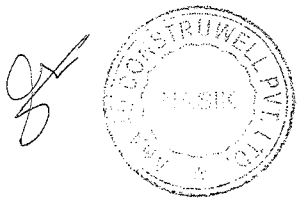
Road Furniture				0.0000	0.00	PAINT / THERMO-PLASTIC PAINT Reflectance & yellowness index Test.	1	₹	1,170.00	Rupees One Thousand and One Hundred and Seventy Only	1170.00
				0.0000		PAINT / THERMO-PLASTIC PAINT Flowability (Percentage residue) Test.	1	₹	1,170.00	Rupees One Thousand and One Hundred and Seventy Only	1170.00
				0.0000		PAINT / THERMO-PLASTIC PAINT Softening Point (Ring & ball method) Test.	1	₹	1,060.00	Rupees One Thousand and Sixty Only	1060.00
						PAINT / THERMO-PLASTIC PAINT Drying Time Test.	1	₹	835.00	Rupees Eight Hundred and Thirty-Five Only	835.00
Total Quality Control Testing Charges											**₹ 38,49,655.00**



Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

SCHEDULE B

Qty	UNIT	Sr No.	Description	Rate in Fig.	Per	Rate in Words	Amount
			PART F- Royalty				
		F1	Royalty charges for murum dubber should be paid by the contractor regularly to the government and contractor should produce delivery challon, payment receipt, pakka bill etc. complete alongwith every R.A. bill \ final bill as applicable.(It is entirely responsibility of contractor to pay Royalty charges to the Government)				
16581.54	Cubic Metre	A	for murum / Rubble /	₹ 216.18	Cum	Rupees Two Hundred and Sixteen and Eighteen Paise Only	3584596.58
3.24	Cubic Metre	B	for sand	₹ 237.37	Cum	Rupees Two Hundred and Thirty-Seven and Thirty-Seven Paise Only	768.37
			Total Royalty				**₹ 35,85,364.95**



Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Schedule-B Total				
Sr No.	Description	Amount		Rate in Words
SUMMARY				
A	CIVIL WORKS	₹	38,47,89,460.96	Rupees Thirty-Eight Crores and Forty-Seven Lakhs and Eighty-Nine Thousand and Four Hundred and Sixty and Ninety-Six Paise Only
B	ELECTRICAL + MSEB	₹	1,63,75,273.58	Rupees One Crore and Sixty-Three Lakhs and Seventy-Five Thousand and Two Hundred and Seventy-Three and Fifty-Eight Paise Only
C	BASIC TOTAL COST OF BOQ (A + B)	₹	40,11,64,734.54	Rupees Forty Crores and Eleven Lakh and Sixty-Four Thousand and Seven Hundred and Thirty-Four and Fifty-Four Paise Only
D	GST ON A AND B	₹	7,22,09,652.22	Rupees Seven Crores and Twenty-Two Lakhs and Nine Thousand and Six Hundred and Fifty-Two and Twenty-Two Paise Only
E	Quality Control Cost	₹	38,49,655.00	Rupees Thirty-Eight Lakhs and Forty-Nine Thousand and Six Hundred and Fifty-Five Only
F	PART F- Royalty Cost	₹	35,85,364.95	Rupees Thirty-Five Lakhs and Eighty-Five Thousand and Three Hundred and Sixty-Four and Ninety-Five Paise Only
TOTAL COST OF PROJECT		**₹**	**48,08,09,406.71**	**Rupees Forty-Eight Crores and Eight Lakhs and Nine Thousand and Four Hundred and Six and Seventy-One Paise Only**

AMMAD CONSTRUWELL PVT. LTD. NASIK

Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Schedule-B Total

Sr No.	Description	Amount	Rate in Words
	SUMMARY		
A	CIVIL WORKS	₹ 38,47,89,460.96	Rupees Thirty-Eight Crores and Forty-Seven Lakhs and Eighty-Nine Thousand and Four Hundred and Sixty and Ninety-Six Paise Only
B	ELECTRICAL + MSEB	₹ 1,63,75,273.58	Rupees One Crore and Sixty-Three Lakhs and Seventy-Five Thousand and Two Hundred and Seventy-Three and Fifty-Eight Paise Only
C	BASIC TOTAL COST OF BOQ (A + B)	₹ 40,11,64,734.54	Rupees Forty Crores and Eleven Lakh and Sixty-Four Thousand and Seven Hundred and Thirty-Four and Fifty-Four Paise Only
D	GST ON A AND B	₹ 7,22,09,652.22	Rupees Seven Crores and Twenty-Two Lakhs and Nine Thousand and Six Hundred and Fifty-Two and Twenty-Two Paise Only
E	Quality Control Cost	₹ 38,49,655.00	Rupees Thirty-Eight Lakhs and Forty-Nine Thousand and Six Hundred and Fifty-Five Only
F	PART F- Royalty Cost	₹ 35,85,364.95	Rupees Thirty-Five Lakhs and Eighty-Five Thousand and Three Hundred and Sixty-Four and Ninety-Five Paise Only
TOTAL COST OF PROJECT		**₹ 48,08,09,406.71**	Rupees Forty-Eight Crores and Eight Lakhs and Nine Thousand and Four Hundred and Six and Seventy-One Paise Only

I am / we are ready to do the work at 7.50% Below at the Estimated Rates

Contractor

Witness

Executive Engineer (works)
Nashik Municipal Corporation, Nashik

9

NASHIK MUNICIPAL CORPORATION

Tender Notice No. 03/09 (2025-26)

Tender Document for

Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

September 2025

CITY ENGINEER

Public Works Department

Nashik Municipal Corporation

EXECUTIVE ENGINEER

Public Works Department

Nashik Municipal Corporation

Rajiv Gandhi Bhavan, Sharanpur Road, Nashik - 422 002

Tel no. 0253 - 2575631 / 32, 2317366 / Fax no. 0253 – 2573151

Disclaimer

This tender document for **Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)** contains brief information about the scope of work and qualification criteria for the selection of Agency. The purpose of the tender Document is to provide the Agencies (hereinafter referred to as "Agency/s") with information to assist the formulation of their proposals (hereinafter referred to as the "Proposal/s")

This RFP is not an agreement and is neither an offer by Nashik Municipal Corporation (hereinafter referred to as the "Client" or "NMC") to the prospective Agency or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their Financial Bids pursuant to this RFP. While all efforts have been made to ensure the accuracy of information contained in this RFP Document, this document does not purport to contain all the information required by the Agencies. The Agencies should conduct their own independent assessment, investigations and analysis and should check the reliability, accuracy, and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their Proposal. Client or any of its employees or existing advisors shall incur no liability under any law, statute, rules, or regulations as to the accuracy or completeness of the RFP Document. The Client reserves the right to change any or all conditions/ information set in this RFP Document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as the Client may deem fit without assigning any reason thereof.

The Client reserves the right to accept or reject any or all Proposals without giving any reasons thereof. The Client will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the Proposals to be submitted in response to this RFP Document.

Information provided in this RFP to the Agency(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Client accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

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Signature of Contractor

1 Detailed Tender Notice

DETAILED E- TENDER NOTICE No.03/09 (2025-26)

COMMISSIONER, NASHIK MUNICIPAL CORPORATION, NASHIK, invites sealed tender in B-1 form, from the companies / contractors fulfilling the terms and conditions of tender document with experience of similar type of works for the development of roads in Nashik city.

S.No.	Name of Work	Cost put to tender (RS)	Time Limit
1.	Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)	48,08,09,407.00	Upto 31 March 2027

1)	**EARNEST MONEY DEPOSIT: -**	Rs. 0.5% of Cost put to tender EMD will be accepted in the form of Online Payment only by net banking only. Tenderer must submit online EMD receipt along with technical document.
2)	**TIME LIMIT: -**	As per Above Table
3)	**Pre-bid Meeting: -**	Pre-bid meeting will be held on 01/10/2025 at 4.00 pm in online mode only. Google Meet link: https://meet.google.com/fzs-qzby-jys All the bidders shall submit their queries if any before 4.00 pm on 01/10/2025 on the mail ID: nmc_pwd_tenders@nmc.gov.in Outcome of pre-bid meeting i.e. common set of deviation (CSD) issued, if any shall form part & parcel of tender document and the bidder/ tenderer shall upload a signed copy as a token of acceptance of CSD. The queries received after 4.00 pm on 01/10/2025 shall not be entertained.

Signature of Contractor

4)	**Date of Issue of Blank: -Tender Documents**	Tender form is available online for purchase on GoM website www.mahatender.gov.in in from dt. 25/09/2025 to 10/10/2025 upto 3.00 pm.
5)	**Cost of blank tender: - document**	Contract document may be purchased/downloaded from www.mahatender.gov.in for non-refundable fee of Rs. 3631/- in the form of online payment only by net banking.
6)	**Date of Submission of: -Tender**	The bids shall be submitted online through e-tendering system on www.mahatender.gov.in for above work on or **before date 10/10/2025 upto 15.00 hrs.**
7)	**SECURITY DEPOSIT: -**	SECURITY DEPOSIT: - Total 1.00% of cost put to Tender. (a) Initial Security Deposit :- 50% of the total security deposit of approved tender cost in favor of Commissioner, Nashik Municipal Corporation, Nashik and can be paid either in the form of - i) Cash deposited in Nashik Municipal Corporation. ii) Demand Draft in favour of the Commissioner Nashik Municipal Corporation. iii) FDR / Bank Guarantee from any Nationalized/ Scheduled banks those are approved as per GR (संकीर्ण २०२२/प्र.क्र.१२३/२२/कोष-प्रशा५ दिनांक १६ जाने २०२५) in prescribed form in favor of the Commissioner Nashik Municipal Corporation, valid upto after 1 year of successful completion of the work. (b) Remaining amount of Security Deposit: - 50% of the total Security Deposit, as per the cost put to tender, shall be recovered through Running Account (R.A.) bills at the rate of 1% from each R.A. bill until the full balance amount of Security Deposit is recovered, as required under the Work Order.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

		(C) The entire Security Deposit, amounting to 1% of the tender cost, shall be released as under: The amount of the security deposit lodged by a contractor shall be refunded 90% amount after two years completion of work which has DLP more than two years. if the date up to which the contractor has agreed to maintain the work in good order is over. The amount of security deposit lodged by a contractor shall be refunded 90% amount of total Security Deposit only after 2 years from date of completion of work (which has DLP period is more than two years.). The amount of the security deposit retained by the Government shall be released after expiry of period up to which the contractor has agreed to maintain the work in good order is over. 10% amount of Security Deposit shall be in the form of Nationalised Bank DD/ FDR / BG which mentioned period of one month after the DLP. In the event of the contractor failing or neglecting to complete rectification work within the period up to which the contractor has agreed to maintain the work in good order, then, subject to provisions of clauses 17 and 20 hereof the amount of security deposit retained by NMC shall be adjusted towards the excess cost incurred by the Department on rectification work. (As per Govt. Resolution dtd. 29.01.2019)
8)	**DEFECT LIABILITY: -PERIOD**	Defect liability period for the asphalt work is Thirty-six (36) Calendar months from the date of completion of the work. Defect liability period for the concrete work is sixty (60) Calendar months from the date of completion of the work.
9)	**DATE OF OPENING OF: - TENDER**	The received online bids will be opened on 11/10/2025 at 15.00 hrs (If possible), for scrutiny of qualification of bidders as per eligibility criteria mentioned in of detailed tender notice in the office of Tender Cell, Nashik Municipal Corporation. Rajiv Gandhi Bhavan, Sharanpur Road, Nashik.

Signature of Contractor

10)	**VALIDITY OF OFFER: -**	The offer shall remain valid for one hundred and Twenty (120) days from the date of submission of tender, these offers are considered as valid thereafter till contractor withdraws his offer in writing.
11)	**JOINT VENTURE: -**	Joint Venture Agreement in any form shall not be allowed.

Notes:

a) The tender condition for security deposit mentioned at Sr. No. 7 of Detailed tender notice as above will take precedence over all the conditions mentioned anywhere in the tender document for Security Deposit.

1.1 Eligibility criteria

The tenderer/bidder must have eligibility in term of work experience as follows:-

A) Experience Criteria for Asphalt and PQC Concrete Road Works

The bidder must have experience of having successfully completed similar works during the last five (5) years, ending on the last day of the month previous to the one in which applications are invited. The bidder shall meet any one of the following conditions for each category of work (Asphalt and Concrete):

Total Estimated Cost of civil road Works: ₹ 38.47 Cr (excluding GST, QC and Royalty charges)

Estimated Cost of Asphalt Road Works: ₹ 20.38 Cr

Estimated Cost of Concrete Road Works: ₹ 18.09 Cr

Three (3) similar completed works costing not less than 40% of the estimated cost of Asphalt Road Works (for asphalt category) and 40% of the estimated cost of Concrete Road Works (for concrete category),

OR

Two (2) similar completed works costing not less than 50% of the estimated cost of Asphalt Road Works (for asphalt category) and 50% of the estimated cost of Concrete Road Works (for concrete category),

OR

One (1) similar completed work costing not less than 80% of the estimated cost of Asphalt Road Works (for asphalt category) and 80% of the estimated cost of Concrete Road Works (for concrete category).

Definition of "Similar Works"

Asphalt Works: Construction of WBM/GSB/WMM layers and Bituminous/Asphalt roads with allied works.

AND

Concrete Works: Construction of Rigid Pavement/Cement Concrete roads with allied works.

Notes:

The qualifying works for asphalt and concrete may be derived from separate contracts/projects and need not be part of a single contract, provided the bidder meets the prescribed value thresholds individually for each category.

The bidder shall furnish separate work completion certificates clearly establishing compliance with the above requirements for Asphalt Works and Concrete Works.

Only those works for which completion certificates have been issued by the competent authority shall be considered forworks.

B) Satisfactorily executed following minimum quantities of the items in one single year from works completed in last Seven years.

1)	WBM+GSB+WMM	30% Qty. of Schedule ' B'
2)	BM + DBM	30% Qty. of Schedule ' B'
3)	BC/AC	30% Qty. of Schedule ' B'
4)	DLC/PCC M 10/ M 15 grade Cement Concrete for road	30% Qty. of Schedule ' B'
5)	PQC M-35/ M-40 grade Cement Concrete for road	30% Qty. of Schedule ' B'

C) Certificates of work experience in private sector, joint ventures, and unofficial sub-contracts will not be considered.

Each tenderer/bidder should further demonstrate the availability of the following key and critical equipment exclusively for this work at the time of submission of tender. (information is to be uploaded in Statement)

a) For Asphalt works costing more than 4 Crores. –

Sr. No	Machinery	No of Machinery	Mode of Availability
1	Considering the upcoming Kumbhmela in Nashik, the balance period for completion of work and considering the importance and emergency nature of work - a) i. At the time of bidding the tenderer/bidder must have his owned, Asphalt Batch mix		

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	Stationary / mobile Plant having minimum Capacity of 80 TPH with SCADA, operational anywhere in India, is eligible for bidding. **AND** ii. At the time of bidding, the tenderer/bidder must own and operate a fully automatic, microprocessor-based, programmable logic control (PLC) with SCADA - enabled Concrete Batch Mix Plant (stationary or mobile) of a standard company having a minimum capacity of 60 Cu.m. per hour, located anywhere in India. Only such bidders shall be eligible for participation. b) i. After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, meets the required capacity and standards, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for. **AND**	01	Owned

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	ii. After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for compliance. c) After issuance of LOA it is also compulsory for the tenderer/Bidder to submit, scanned original copy of Plant Verification certificate meeting the required capacity and standards valid for one year certified by Assistant Chief Engineer (Mechanical) P.W.D. Region Nashik for Batch Mix Plant, within 45 days after issue of LOA. d) In the event of failure to produce either the Distance Certificate or the Plant Verification Certificate meeting the required capacity and standards within the stipulated time, the Earnest Money Deposit (EMD) shall be forfeited and appropriate action shall be taken by the Competent Authority. The work shall thereafter be offered to the subsequent eligible bidders (L2, L3, L4, etc.) in order of their ranking, subject to their willingness to execute the work at the rates quoted by the L1 bidder. In		

	the event that none of the subsequent bidders agree to match the L1 bidder's rates, the tender shall be recalled.		
2	Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled): The Electronic Sensor Paver Finisher shall be equipped with an electronic sensing device and shall conform to Clause 504.3.5 of the MORTH Standard Specifications. The machine shall have a screed of minimum 9.00 metres width and shall be capable of laying bituminous layers with a minimum lift thickness of 75 mm. AND Hydraulic Concrete Paver : The slip form paver shall conforming to Clause 602 of MORTH and IRC:SP:64, with automatic electronic sensor control for line, level, and thickness. It shall be capable of laying CC pavement up to 7.5 m width and 300 mm thickness in a single pass, equipped with vibrators for full compaction.	01	Owned
3	Mechanical truck-mounted or towed type bituminous pressure sprayer, with a minimum capacity of 3 MT, equipped with SCADA control system.	01	Owned
4	Vibratory road roller as per IRC SP97:2013 with amplitude and frequency of vibration desired for Bituminous works with SCADA	02	Owned
5	Static roller 8 to 10 Tonne/ smooth wheeled power roller	02	Owned
6	Truck / Tripper of minimum 10 MT capacity fitted with SCADA	06	Owned
7	Motor grader is essential	01	Owned
8	Concrete Transit Mixer :	01	Owned

	The Transit Mixer shall be truck-mounted, with a minimum capacity of 6 m^3, conforming to relevant IS standards. It shall be equipped with a water dosing system, revolution counter, and control for monitoring operational parameters such as rotation speed, drum revolutions, transit time, and temperature of concrete, ensuring proper mixing, uniformity, and quality during transportation and placement.		

i) The tenderer/bidder shall upload scanned copy of valid certificate as a compliance required as per latest M.O.R.T.H. & specification from Assistant Chief Engineer (Mechanical) of PWD department (Govt. of. Maharashtra) for batch mix plant, sensor paver, vibratory roller equipped with SCADA system, mechanical bitumen sprayer, transit mixer with SCADA.

ii) Certificate from PWD authority regarding fitness and location of Asphalt plant and concrete batch mix plant as per the terms mentioned at sr.no.1 above.

iii) All the uploaded scanned copies of the necessary certificates shall be readable. Non readable uploaded scanned copies shall not be considered.

iv) All these uploaded statement/ form shall be filled in correctly and signed properly. If these forms are found incompletely filled or wrongly filled, contractor's Financial Bid will not be opened.

Tenderer/Bidder must submit Distance Certificate of batch mix plant from Executive Engineer, Quality Control Department, Nashik Municipal Corporation, certifying that their plant is situated within 30 km from Rajiv Gandhi Bhavan, within 45 days after issue of LOA.

1.2 Technical Staff

Contractors Technical Staff	Min Qualification needed	Number of Tech. Staff Person
Full Time Technical Staff on site required		
1. Project Manager	B.E. / B tech Civil with minimum experience of 7 years.	1
2. Resident Engineer (Daily)	B.E. / B tech Civil with minimum experience of 5 years.	1

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3. Site Engineer (daily)	Diploma Civil with minimum experience of 3 years.	2
4. Plant /SCADA System supervisor (daily)	Diploma / Degree with minimum experience of 7 years.	1
5. Quality Engineer	B.E. / B tech Civil with minimum experience of 5 years.	1
6. Other key personnel with adequate experience as required.	Information to be uploaded in Statement	

B) Successful Tenderer/ bidder must submit the staff details such with their Name, Designation, Qualification and experience before executing agreement for work order.

1.3 Financial Turnover and Bid Capacity

A) Financial Turnover

The average annual financial turnover during the last three financial years, ending on 31st March of the previous financial year, shall be at least 30% of the cost put to tender.

ii) The turnover shall be certified by a Chartered Accountant (C.A.) on the basis of audited balance sheets.

iii) Escalation factors shall be applied to bring all figures to a common base year, as under:

Year before	Financial Year	Multiplication Factor
One	2024–25	1.10
Two	2023–24	1.21
Three	2022–23	1.33
Four	2021–22	1.46
Five	2020–21	1.61

B) Bid Capacity

i) A tenderer shall be considered qualified only if the assessed Available Bid Capacity is greater than or equal to the estimated cost of the work.

ii) The Bid Capacity shall be calculated strictly based on the Online Bid Capacity Certificate submitted by the bidder.

C) Supporting Documentation

- Bidders shall furnish bid capacity calculations with supporting documents duly certified by a Chartered

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Accountant.

- An Online Bid Capacity Certificate shall be uploaded as per prevailing Government guidelines.
- A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer-in-Charge not below the rank of Executive Engineer or equivalent.
- All prescribed forms/statements shall be properly filled in, signed, and uploaded. Incomplete, unsigned, or incorrectly filled forms will result in disqualification, and Envelope No. 2 (Financial Bid) shall not be opened.

D) Disqualification and Verification

- Submission of false, fabricated, or misleading information shall lead to immediate rejection and blacklisting as per Government norms.
- Even if a bidder meets the above criteria, they are liable to disqualification in case of:
- Misrepresentation of facts or fraudulent submissions,
- Record of poor performance (abandonment, failure to complete, delays, unsatisfactory quality),
- Adverse litigation history or proven financial failure.
- All certificates submitted towards turnover, similar nature of works, executed quantities, and work completion shall be subject to scrutiny and verification by the Tender Committee.

Note:

a) Applicants will be required to provide completion certificates/Experience letter as proof of experience.
b) Extension work orders on an existing project will not be counted as separate projects but may be counted towards the monetary value of the total project.
c) Evaluations will be based on documentary evidence submitted by the Applicants and presentation before the Client with respect to evaluation/selection criteria.

2 Important Conditions of Contract

i. All Tenderer/bidder must note that after completion of tender procedure the successful Tenderer/ bidder shall take out necessary Insurance Policy / Policies so as to provide adequate insurance cover for execution of the awarded contract work from the "Directorate of Insurance, Maharashtra State Mumbai" only. It's Postal address for correspondence is "264, MHADA, First Floor Opp. Kalanagar, Bandra (East), Mumbai - 400051." Insurance policy/ policies taken out from any other Company will not be accepted. However, if the contractors desire to effect insurance with any of the local officer of any insurance Company, they should be under the coinsurance- cum-servicing arrangement approved by the Directorate of Insurance. If the policy taken out by the contractors is not on coinsurance basis, i.e. G.I.F 60% and insurance Company 40%, the same will not be accepted and the amount of premium calculated by the Directorate of Insurance will be recovered directly from the amount payable to the Contractors for the executed contract work which may please be noted.

ii. If the above condition regarding insurance policy is not complied, then recovery at the rate 1% of tender amount shall be made through R.A. Bills.

iii. All Tenderer must note that after tender procedure completion the successful tenderer has to pay cess of 1% of the tender amount as per "Building and other Construction Act- 1998" in the specified bank account.

iv. G.S.T will be paid on contract value as per latest circulars or notification of government.

v. Payments of the work shall be made subject to availability of fund.

vi. In the event of delay in intermediate payment, the contractor/ agency shall not delay /stop work; and the work shall be completed in the stipulated time period.

vii. As per rule of Employment Provident fund (EFP) Regulation act. 1952, bidder should submit valid PF Registration Certificate. The EPF Registration as per employment provident fund (EPF) Regulation act.1952 is mandatory. Without valid EPF Registration tender will not be considered for opening of financial bid.

viii. Royalty Charges should be paid as per circular of revenue & forest department by the contractor regularly to the Government. Contractor should produce the delivery chalan, payment receipt, pakka bill etc. complete along with every RA bill /Final bill as applicable (It is entire responsibility of the contractor to pay the royalty charges to the Govt.)

ix. As per Government Resolution No. संकीर्ण 2008/1338/Pr.Kr.171/08/Navi-20 dated 02 March 2009 and Government Resolution No. संकीर्ण -2016/Pr.Kr.335/Navi-33 dated 28 March 2018, it shall be mandatory

for the contractor to carry out Third Party Technical Audit through an independent agency at their own cost, unless specifically mentioned in schedule-B.

x. NMC will not bear any expenses other than the cost quoted.

xi. All tenderers/bidders shall go through the ordinance and Nashik Trimbakeshwar Kumbhamela Pradhikaran Act, 2025 which are available online. The rules and regulations mentioned therein related to contract are applicable.

2.1 Approval

i) All work shall be carried out as per the specifications contained in the standard specification published by public works and housing department, Govt. of Maharashtra. In case of the discrepancy decision of the Engineer-In-Charge will be Final.

ii) All type of testing shall be done as per the specification in the presence of representative of NMC & NMC approved third party inspection.

2.2 Additional Security Deposit

In case of contractors offer is less than 10% of the updated estimate cost.

1) As per the Govt. G.R. No. CAT/2017/PK08/EMA-2 dated - 26/11/2018 the Additional Performance Security Deposit is to be submitted by L-1 bidders to concerned Executive Engineer strictly within 8 days after opening of envelope no.2

2) If the L-1 bidder fails to deposit the Additional Performance Security Deposit within the stipulated period of 8 days, the offer of L-2, L-3, and subsequent bidders may be considered, provided they are willing to execute the work at the rates quoted by the L-1 bidder.

3) Performance Security Deposit shall be as follows.

1. Up to 10% -- 1% PSD

2. Up to 15% --- (15% -10%=5%) = 5% PSD= 1+5=6%

3. If the offer is less than 15% then it will be twice the remaining offer

For e.g.

19 - 15=4%

4 x 2 = 8%

And total PSD will be 1 + 5 + 8 = 14%

If the lowest bidder's offer is more than 10% below the estimated cost of the tender, tender calling authority should call of for the written explanation from this bidder with respect to the planning and execution of work as the rate quoted by him. Tender calling authority should assure itself about the feasibility of planning submitted by the

bidder with respect to the quoted rates. Submission/Return of PSD Demand Draft / Bank guarantees to be adopted as follow.

a) The FDR / Demand draft / Bank guarantee should be in the name of □The Commissioner NMC.

b) FDR / Demand Draft / Bank guarantee should exclusively of Nationalized bank / Scheduled bank as per GR (संकीर्ण २०२२/प्र.क्र.१२३/२२/कोष-प्रशा५ दिनांक १६ जाने २०२५) as per GR 07/03/2019

c) The period of demand draft should be minimum 3 months beyond the date of submission of tender.

d) The bidder should submit the original copy of FDR / demand draft / Bank guarantee in the office of City Engineer.

e) The Demand draft should inclusive of MICR number & IFSC code of the bank.

f) Submission of false/misleading demand drafts / Bank guarantee of any bidder will result in forfeiting of EMD & liable for further action against such bidder.

g) The Executive Engineer shall issue the work order to the successful bidder only after encashment of demand draft / the Bank guarantee of Performance Security deposit. Bank guarantee must be valid for the period of DLP plus one month.

h) The performance security and additional PSD of the successful bidder may be returned after a period of three months from the, satisfactory completion of the work as per tender specifications.

The bidder must submit affidavit on Rs. 500/- Stamp Paper stating submitted documents are true, correct & complete. (Annexure I)

(Please Note : Govt. Circular No. CAT/2017/प्र.क्र.127/Building-2, Dt. 28/11/2018)

Nashik Municipal Corporation has developed a repository system in collaboration with ICICI Bank. Accordingly, if the lowest bidder is required to submit a Security Deposit or Performance Security Deposit (PSD) in the form of a Bank Guarantee, it is mandatory to mention the IFSC code ICIC0000027. Bank Guarantee without this IFSC code will not be accepted.

2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works)

The proposed road works are of critical importance and are time-bound in view of the forthcoming Simhasta Kumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor.

In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land, obtaining right-of-way, or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine the

ground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints, and all related challenges prior to submission of their bids.

Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is not granted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled, withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority.

In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall be entertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks, dependencies, and conditionalities while preparing and submitting their bids.

अटी व शर्ती:-

१. संबंधित कार्यान्वयीन यंत्रणेला शासनाच्या, संबंधित विभागांच्या आणि इतर सक्षम प्राधिकाऱ्यांच्या (उदा. केंद्रीय सतर्कता आयोग) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचनांचे पालन करावे लागेल.
२. नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण आणि जिल्हास्तरीय सिंहस्थ कुंभमेळा कार्यकारी समिती, नाशिक यांचे मार्फत वेळोवेळी दिलेल्या निर्देशांचे पालन संबंधित कार्यान्वयीन यंत्रणेला करावं लागेल.
३. नाशिक त्र्यंबकेश्वर कुंभमेळा अधिनियम 2025 मधील सर्व तरतूदी या कामाला लागू राहतील.
४. सदर कामावर नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत निर्देशित केल्यानुसार कामाच्या जागेवर माहिती दर्शविणारा फलक लावावा लागेल.
५. सदर काम किंवा त्याचा कोणताही घटक इतर कोणत्याही योजनेत मान्य झाले नाही अथवा करण्यात आले नाही याची खात्री कार्यान्वयीन यंत्रणेने करावी.
६. सदर काम पूर्ण झाल्यावर त्याचा केवळ सार्वजनिक वापर होणार असून कोणत्याही स्वरुपाचा खाजगी वापर होणार नाही याची दक्षता कार्यान्वयीत यंत्रणेने घ्यावी.

७. कार्यान्वयीन यंत्रणा ही सदर कामाचा वापर करणारी आणि देखभाल दुरुस्ती करणारी यंत्रणा नसल्यास, सदर काम पूर्ण झाल्यावर वापर करणारी आणि देखभाल/ दुरुस्ती करणाऱ्या यंत्रणेने काम गुणवत्तापूर्ण झाले आहे किंवा कसे याची खात्री करून ते ताब्यात घ्यावे.

८. खरेदीच्या कामांबाबत शासनाने वेळोवेळी निर्गमित केलेल्या निर्देशांचे पालन करावे. तसेच वस्तुंची अथवा इतर बाबींची खरेदी शासनाच्या GeM पोर्टलवरुन अथवा शासनाच्या इतर मार्गदर्शक सूचनानुसारच करावी.

९. मंजूर अनुदानापेक्षा (प्रशासकीय मान्यता रकमेपेक्षा) जास्त खर्च करता येणार नाही. तसेच कामाचे भाग पाडून काम करता येणार नाही.

१०. वर दर्शविण्यात आलेली काम पूर्ण करण्याची मुदत ही अंतिम मुदत असून शक्य असल्यास यापेक्षा लवकर काम पूर्ण करण्याचे नियोजन करावे आणि तशी अंमलबजावणी करावी. त्यानुसार निविदा प्रक्रिया राबवावी.

११. सर्व कामांच्या जागांचे कामाचे काम सुरु करण्यापूर्वी कोणतीही जागा सुटणार नाही अशाप्रकारे दिनांक नमूद करून व्हिडिओ शूटिंग करावे आणि जियो स्टॅम्प्ड आणि जियो टॅग्ड फोटो काढावेत. त्याचप्रमाणे प्रत्येक कामाचे जास्तीत जास्त एक महिना किंवा त्यापेक्षा कमी या कालावधीमधे अशा प्रकारचे व्हिडिओ आणि फोटो पुन्हा काढावेत हे सर्व जतन करून ठेवावेत जेणेकरून याला भविष्यात योग्य त्या संकेतस्थळावर जाहीररित्या प्रदर्शित करता येईल.

१२. नियोजन विभागाच्या दिनांक 09 जून 2025 रोजीच्या शासन निर्णयानुसार प्रत्येक पायाभूत विकास प्रकल्पांसाठी युनिक पायाभूत सुविधा आयडी पोर्टल (Infra ID Portal) कार्यान्वित करणे बाबत दिलेल्या सूचनांचे कार्यान्वयीन यंत्रणेने पालन करावे व त्यानुसार कार्यवाही करावी.

१३. प्रकल्प व्यवस्थापनाच्या दृष्टीने वेळोवेळी दिलेल्या निर्देशानुसार आवश्यक ती माहिती नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाला सादर करावी.

१४. मंजूर करण्यात येत असलेल्या वरील कामांची भविष्यातील देखभाल दुरुस्तीचा खर्च कार्यान्वयीन यंत्रणेने स्वत:च्या निधीतून करावा अथवा हस्तांतरण करुन घेणाऱ्या यंत्रणेने करावे.

१५. सदर कामांचा कोणत्याही उपांगांचे काम इतर कोणत्याही शीर्ष अथवा योजनेतून प्रस्तावित नाही आणि/ किंवा झाले नाही याची खात्री कार्यान्वयीन यंत्रणेने काम सुरु करण्यापूर्वी करावी.

१६. सदर कार्यांची सक्षम प्राधिकाऱ्याकडून तांत्रिक मान्यता घेणे बंधनकारक आहे.

१७. सदर कामाचे पर्यवेक्षण आणि नियंत्रण संबंधित कार्यान्वयीन यंत्रणेने करावे.

१८. सदर कामाचा दर्जा/ गुणवत्ता आणि वेग तपासण्यासाठी, त्याचप्रमाणे कार्यान्वयीन यंत्रणेच्या कामकाजाचे मूल्यमापन करण्यासाठी त्रयस्थ यंत्रणामार्फत/ यंत्रणांना वेळोवेळी तपासणी आणि मूल्यमापन करण्यात येईल. यासाठीचा येणारा खर्च या कामाच्या अंदाजपत्रकीय रकमेतून नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत थेट संबंधित यंत्रणांना अदा केला जाईल.

१९. थर्ड पार्टी इन्स्पेक्शन बद्दल आवश्यक ती तरतूद अंदाजपत्रकात करावी.

२०. निविदा प्रक्रियेमध्ये सर्वसाधारण पात्रते (eligibility) संबंधात निकष सर्वसाधारणपणे त्या त्या विभागाचे नेहमीचे जशी असतात त्या पद्धतीने ठेवावे जेणेकरून स्पर्धा चांगली होईल. तथापि दर्जा उत्तम राखण्यासाठी दंडात्मक (penalty च्या) तरतुदी अधिक कठोर करायचे असल्यास तशी मुभा संबंधित विभागाला राहील.

२१. कामे हाती घेताना शासनाच्या संबंधित विभागाच्या / कार्यालयांच्या मार्गदर्शक सूचना विचारात घ्याव्यात (उदा. अग्नीशमन सेवा संचालनालय, वैद्यकीय शिक्षण व संशोधन संचालनालय, इ.). तसेच याबाबत इतर मोठ्या शासकीय व निमशासकीय संस्था (उदा. राज्य शासनाचे संबंधित विभाग, केंद्र शासनाचे संबंधित विभाग, मोठ्या महानगरपालिका/ महामंडळे, इ.) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचना, खरेदी धोरण व निविदांचा देखील अभ्यास निष्पक्षपणे व सखोलपणे करावा. त्याचप्रमाणे या क्षेत्रातील सर्वोत्तम कार्यपद्धतींचा (best practices) चा विचार करावा. तसेच आवश्यकतेनुसार त्या क्षेत्रातील तज्ञ / सल्लागार यांच्या सेवा घ्याव्यात. या प्रकारे पूर्ण काळजी घेवून अशा कामांबाबत/ प्रकल्पांबाबत कार्यवाही करावी. सदरची कामे/ प्रकल्प वेळेत

2.4 Conditions for Electrical Work

This work may include components related to electrification. For execution of the said electrification work, the following conditions shall be strictly adhered to:

1. Authorized Contractor: The electrification work shall be carried out only by a Government approved "A" Class Electrical Contractor.

2. Supervision and Compliance: The contractor shall strictly follow the instructions and directives of the concerned Electrical Engineer of the Nashik Municipal Corporation. Periodic inspections shall be conducted, and the contractor shall be bound to comply with any instructions issued during such inspections.

3. Warranty: A minimum five (05) year warranty must be provided for all electrical equipment and materials used in the execution of the electrification work.

4. Testing Report: Upon completion of the electrical work, the contractor shall submit a comprehensive testing report duly certified by the competent authority. The necessary testing charges shall be borne by the contractor.

5. Approved Make: All electrical materials and components, including cables, switches, fittings, etc., shall strictly conform to the approved make list of Nashik Municipal Corporation.

Non-compliance with any of the above conditions may lead to rejection of the work and appropriate action as per contract terms.

2.5 Declaration of the Contractor

I/ We hereby declare that I/ We have made myself / ourselves thoroughly conversant with the local conditions regarding all materials (such as stone, murum, sand etc.) and labour on which I/ We have based my / our rates for this work. The specifications, conditions and lead of materials of this work have been carefully studied and understood by me/ us before submitting this tender. I/ We undertake to use only the best materials complying to schedule B and detailed specifications of said items, and approved by the Engineer in charge, Nashik Municipal Corporation, Nashik or his duly authorized assistant before starting the work and to abide by the decision.

Signature of Contractor

3 Method of Submission

3.1 Method of submission

The tenderers desirous of tendering for these works are required to submit their offers online on www.mahatender.gov.in

3.1.1 Technical bid

All documents as required vide this notice including but not limited to list given below.

i) Scanned from original copy of Registration of firm, partnership deed and Power of Attorney, in case of a registered firm tendering for work.

ii) For private firm (Having no registration in PWD or elsewhere) fulfilling the tender conditions and must not be a black-listed contractor anywhere in execution of any type of work. Affidavit of declaration of this be produced by tenderer.

iii) Form of Bid, Undertaking, Affidavit, Bank Certificate, Declaration etc. be submitted.

iv) Scanned from original copy of affidavit regarding completeness, correctness and truthfulness of documents submitted on Rs. 500/- Stamp paper.

v) Scanned from original copy of Professional Tax Clearance Certificate up-to-date.

vi) Scanned copy of ownership of batch mix plant and other related machinery as stated in Statement.

vii) Scanned copy of verification certificate of Executive Engineer regarding plant Locations given in tender document.

viii) Earnest Money in the form as prescribed in section (1) of this notice.

ix) GST registration certificate.

x) Updated Employee's Provident fund registration certificate.

xi) Common set of deviation conditions/ stipulations issued by this Corporation after the Pre Bid conference duly signed in token of acceptance.

xii) Papers showing eligibility of tenderer as mentioned in section of this notice

a) similar kind of work, b) turnover certificates, c) Bid Capacity, d)certificate of quantities executed.

b) Details of Technical personnel on the roll of the bidder.

xiii) Details of Machinery & Infrastructure available with bidder with name, qualification, designation and experience etc.

If the various documents contained in this envelope do not meet the requirements as stated above, a note will be recorded accordingly by the tender opening authority and the Financial Bid of such Tenderer will not be

considered for further action and the same will be rejected. Also tender will be liable for rejection if bidder mention his commercial offer anywhere in the Technical Bid.

The original documents of Technical bid shall be verified before opening financial bid.

Please note that Technical bid & Financial bid both shall be uploaded ONLINE only as specified.

3.2 Opening of Tenders

On the date specified in the Tender Schedule, following procedure will be adapted for opening of the tender.

3.2.1 A) TECHNICAL BID (Envelop no. 1)

Technical bid will be submitted online and one hard copy in envelop no. 1.

First of all Envelope No.1 of the tender will be opened online to verify its contents as per requirements. Contractor has to procure original documents for verification as required. If the various documents contained in the envelope do not meet the requirements of the tender document, a note will be recorded accordingly by the tender opening authority and the said tenderers' financial bid will not be considered for further action and the same will be rejected.

i) The necessary experience mentioning cost and quantities certificate as mentioned in qualification criteria are required to be obtained from the officer not below the rank of Executive Engineer. In the absence of these certificates financial bid shall not be opened.

ii) All must be note that uploading be done one day prior to the date of mentioned to avoid problem in uploading tender documents. No any grievance will be entertained regarding uploading of tender document as it is the official web site and not the Nashik Municipal website.

3.2.2 B) Financial Bid :- (Envelop No. 2)

Financial Bid will be submitted online only.

The financial bid of technically qualified bidders shall be opened online. The financial bid shall contain the offer based on scope of work, rates, specifications of the items in the tender & shall be inclusive of all taxes, levies, duties & all other charges- expenses **(Excluding GST and Royalty Charges)**. Bidder should not quote the offer anywhere directly or indirectly in Technical bid.

Note : Commissioner Nashik Municipal Corporation reserves full rights to reject any or all tenders without assigning any reason and the same shall be at the entire discretion of Commissioner, NMC and commissioner's decision in this respect shall be final and binding.

Sd/-xxx

Executive Engineer,

Public Works Department

Nashik Municipal Corporation, Nashik

Signature of Contractor

NAMO CONSTRUWELL PVT. LTD. NASIK

4 Notice of tender and instruction to tenderers

If after submitting the tender, the contractor withdraws his offer, or modifies the same, or if, after the acceptance of his tender the contractor fails or neglects to furnish security deposit without prejudice any other rights and powers of the corporation hereunder, or in law, corporation shall be entitled to forfeit the full amount of earnest money deposited by him.

4.1 Acceptance of Tender

The Corporation is not bound to accept the lowest or any tender. The corporation reserves the right to reject any or all tenders received, without assigning any reason whatsoever and reserves the right of accepting the whole or any part of the tender and tenderer shall be bound to perform the same at the amount / percentage quoted.

4.2 Visit to Site by Tenderer

Tenderers are advised to visit the site sufficiently in advance of the date fixed for receipt of tenders. The tenderers shall be deemed to have full knowledge of all the relevant documents, samples, site conditions etc. whether they inspect them or not.

4.3 Submission of tender:

a. Submission of quoted Tender by a tenderer implies that he had read this notice and all other contract documents and has made himself aware of (I) scope and specifications of the work to be done (ii) local conditions and other factors having any bearing whatsoever in execution of the works.
b. A Tenderer shall submit the tender which satisfies each and every conditions laid down in this tender, failing which, it is liable to be rejected.
c. Notice of tender and these instructions shall form part of the contract.
d. The successful tenderer will be required to produce to the satisfaction of the Municipal Commissioner, NMC a valid and concurrent license, issued in his favour under the provisions of the labour contract before starting the work. On failure to do so, the acceptance of the tender shall be liable to be withdrawn and also the earnest money and initial security deposit shall stand absolutely forfeited.
e. Land required for housing of labour, contractor's and client office, stacking of materials, equipment, casting yard.etc. should be indicated in sqm. Office space for Engineer – in – charge and his staff should also be indicated. However, corporation may provide land, if available, at per sqm per month rent. If land is not available with the corporation / less than required is available, then contractor to make his own arrangement at no extra cost to corporation.

4.4 Contractor's All Risk (C.A.R.) Policy:

The successful contractor shall take out a C.A.R. policy for the entire works covering the entire period of construction (Including all extensions) and also covering the entire defects liability period. The same shall be jointly in the name of NMC and contractor and shall be produced to the Engineer. All amounts / charges towards premium, etc. on this account shall be borne by the contractor.

NMC may appoint consultant to assist NMC Engineers of work and advise on all matters pertaining to this project, including tender evaluation and supervision of works including scrutiny of design, quality control etc. during the

entire project. NMC may also appoint proof consultant, if required, for expert advice on specifications and quality control etc. connected with the project.

The tenderer is advised to get himself fully acquainted with site conditions as well as with the relevant NMC rules and regulations before submitting the offer. If he desires to have any further information in regard to this project, he may contact the Executive Engineer, NMC, Nashik.

Signature of Contractor

5 General Conditions of Contract (GCC)

5.1 Additional Instructions to Persons Tendering

Persons tendering for the work concerned by the schedule will be required to complete the work tendered for in the period and the dates specified below.

Sr. No	Name of work	To start (date or order to start the works	To complete (Within the period mentioned in the work order)
	As per schedule 'B'		

5.2 Competency of tenders

The contract will be awarded only to responsible bidders capable of performing the class of work contemplated before award of the contract. Any bidder may be required to show that he has the necessary experience, ability and financial resources to perform the work in a satisfactory manner within the time stipulated. Contractor may require to furnish the department with formal statements as to their experience and their financial status.

The contractor shall make his own arrangements for the work yard/site required for depositing materials, and shall acquire such additional sites and areas as may be necessary for temporary purposes at his own cost.

5.3 Payment

The Tenderer must clearly understand that the rates quoted are for the complete and finished work, and shall be deemed to include all costs towards labour, scaffolding, plant, supervision, services, power, etc. The rates shall also cover all contingencies, including night work and work during rains, whenever required. No claim for additional payment beyond the quoted rates shall be entertained under any circumstances. The Tenderer shall not be entitled to make any subsequent claim on the grounds of misrepresentation, or on the basis of having been supplied with information, or given any promise or guarantee by the Nashik Municipal Corporation (N.M.C.) or by any person (whether a Councilor or in the employment of N.M.C. or otherwise). The failure of the Tenderer to

obtain all necessary information for the purpose of preparing the tender and fixing rates shall not relieve him of any risks, responsibilities, or liabilities arising out of, or consequent upon, the submission of the tender.

5.4 Tender Forms

Every blank space in the form of tender and the schedule must be filled by the tenderer and must return all the documents with the tender form.

Tenderers are hereby informed that no erasures or alterations in the text of the documents issued herewith shall be permitted, and any such erasures or alterations will be disregarded. In the event of any error in writing, overwriting shall not be allowed. Instead, the incorrect word or figure should be struck out neatly and the correct word or figure written above or adjacent to it in an unambiguous manner. Each such correction must be duly initialed by the Tenderer.

5.5 Acceptance

The intimation of acceptance of the tender shall be communicated by a letter of acceptance.

5.6 Form B1

NASHIK MUNICIPAL CORPORATION, NASHIK

PERCENTAGE RATE TENDER AND CONTRACT FOR WORKS

General Rules and Directions for the Guidance of Contractors

1. All works proposed to be executed will be also published in newspapers and also on Maha tender website.

   This form will state the work to be carried out as well as the date for submitting and opening tenders, and the time allowed for carrying out the work, also the amount of earnest money to be deposited, additional performance security deposit, the amount of security deposit to be deposited by the successful tenderer and the percentage, if any to be deducted from bills. Copies of the specifications and estimated rates, scheduled rates and any other information shall be available in the office of the City Engineer during office hours.

   Where the works are proposed to be executed according to the specifications recommended by a contractor and approved by a competent authority on behalf of the Municipal Corporation of Nashik, such specification with designs and drawings shall form part of the accepted tender.

2. In the event of the tender being submitted by a partnership firm, it shall be signed separately by each partner thereof. In the absence of any partner, the tender may be signed on his behalf by a person duly authorised under a Power of Attorney empowering him to do so.

3. If, after submitting the tender, the Contractor withdraws his offer or modifies the same or if after the acceptance of this tender the Contractor fails or neglects to furnish the additional performance security deposite or security deposit, without prejudice to any other rights and powers of the Corporation or any law, N.M.C.shall be entitled to forfeit the full amount of the earnest money deposited by him. In such circumstances the offer of L-2, L-3, and subsequent bidders may be considered, provided they are willing to execute the work at the rates quoted by the L-1 bidder.

iii) In the event of the tender not being accepted, the amount of earnest money deposited by the Contractor shall unless it is forfeited under the provisions of sub clause (iii) above, be refunded to him on his passing receipt therefor.

4. The Commissioner or his duly authorised officer shall open tenders in the presence of Contractors who have submitted tenders or their representatives who may be present at the time.

5. The officer competent to dispose off the tenders shall have the right of rejecting all or any of the tender, and the Tenderer shall have no claim whatsoever in this regard.

6. No receipt for any payment alleged to have been made by a Contractor in regard to any matter relating to the tender or the contract shall be valid and binding on N.M.C. unless it is signed by the Engineer-in-charge.

7. All works shall be measured by standard measurements and in accordance with the rules and practices of the N.M.C., without reference to any local customs.

8. Under any circumstances, Contractor shall not be entitled to claim enhanced rates for any items in this contract.

9. All corrections and additions or pasted slips should be initialed.

10. The measurements of work shall be taken in accordance with the usual method in practice in the N.M.C., and no proposal for adopting any alternative method shall be entertained. The decision of the Executive Engineer regarding the method in use in the N.M.C. shall be final and binding.

11. The contractor will have to construct a shed for storing controlled and valuable material at the work site having double locking arrangement.

12. The tendering Contractor shall furnish a declaration along with a tender showing all works for which he is already in the contract and the value of the work that remains to be executed in each contract.

13. Every tenderer shall submit along with the tender, information regarding the income-tax circle or ward of district in which he is assessed to income tax. The reference No. of the assessment and his assessment year.

Signature of Contractor

5.6.1 Tender for works

I/We hereby tender for the execution, for the N.M.C. Nashik of the work specified in the underwritten memorandum within the time specified in such memorandum at* (————) ——* In figures as well as in words.

percent below/above the estimated rates entered in Schedule 'B' (memorandum showing items of work to be carried out) and in accordance in all respects with the specifications, designs, drawing and instructions in writing referred to in Rule 1 hereof and in clause 12 of the annexed conditions of the contract and agree that when materials for the work are provided by the N.M.C., such materials and the rate to be paid for them shall be as provided in Schedule 'A' hereto.

5.6.2 Memorandum

A) Name of Work –

B) Estimated cost ... Rs. /-

C) Earnest Money ... Rs. /-

D) Security Deposit

* In figures as well as in words.

a) If several sub works are included they should be detailed in a separate list.

b) The amount of earnest money to be deposited shall be in accordance with the provisions of paras 206 and 207 of the M.P.W. Manual.

c) This deposit shall be in accordance with paras 213 and 214 of the M.P.W. Manual

i) Cash (not less than the amount of earnest money) Rs

ii) To be deducted from current bills. .. Rs.

Total Rs.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

d) Percentage, if any, to be deducted from bills so as to make up the total amount required as security deposit by the time, half the work, as measured by the costs, is done. 1 (one) %

e) Time allowed for the work from the date of written order to commence

f) This percentage where no security deposit is taken, will vary from 5 % to10 % according to the requirement of the case where security deposit is taken. see note Clause1 of the Conditions of contract.

Give Schedule where necessary showing dates by which the various items are to be completed.

Receipt No. dated from The N.M.C. in respect of the sum Rs.

Contractor : # _____

_____

Address : _____

_____

Dated : The _____ day of _____200 _____

(Witness) : $ _____

_____

Address :

_____

(Occupation):

Amount to be specified in words and figures.

Signature of Contractor before submission of tender

$ Signature of witness to Contractor's signature

Signature of Contractor

Nashik Municipal Corporation

The above tender is hereby accepted by me for and on behalf of the N.M.C.

Signature of officer
by whom accepted.

Executive Engineer

Nashik Municipal Corporation (or his duly authorized Assistant)

Dated _____day of_____200

Signature of Contractor

2. I/We agree that the offer shall remain open for acceptance for a minimum period of 120 days from the date fixed for opening the same and thereafter until it is withdrawn by me/us by notice in writing duly addressed to the authority opening the tenders and sent by registered post A.D. or otherwise delivered at the office of such authority. N.M.C.

Receipt No. ----------

------- date ----------Deposit Call Receipt ----------

In respect to the sum of Rs. representing the earnest money is

herewith forwarded. The amount of earnest money shall not bear interest and shall be liable to be forfeited to the N.M.C. should I/We fail to (1) abide by the stipulation to keep the offer open for the period mentioned above or (2) sign and complete the contract documents as required by the Engineer and furnish the security deposit, as specified in item (d) of the memo contained in paragraph (I) above within the time limit laid down in clause (1) of the annexed General Conditions of contract. The amount of earnest money may be adjusted towards the security deposit or refunded to me/us if so desired by me/us in writing, unless the same or any part thereof has been forfeited as aforesaid.

3. Should this tender be accepted I/we hereby agree to abide by & fulfil all the terms and provisions of the conditions of contract annexed hereto so far applicable, and in default thereof to forfeit and pay to N.M.C., the sums of money mentioned in the said conditions.

5.7 Conditions of Contract

General Provision

Clause – 1 : The person / persons whose tender may be accepted (herein-after called the contractor, which expression shall unless exceeded by or repugnant to the context include his hires, executors, administrators and assigns) shall within 10 days (which may be extended by the Executive Engineer/ City Engineer/ or The Commissioner conceded up to 1month/ 2 months/ 3 months respectively if the Executive Engineer/ City Engineer/ or The Commissioner thinks fit to do so) of the receipt by him of the notification of the acceptance of his tender deposit with the Nashik Municipal Corporation in Cash or Govt. securities endorsed to the Commissioner, Nashik Municipal Corporation (if deposited for more than 12 months) of sum sufficient which will make up the full security deposit specified in the tender or

(A) Permit Corporation at the time of making any payment to him for work done under the contract to deduct such as will amount to the percentage mentioned in detailed tender notice of all moneys so payable such deductions to be held by Nashik Municipal Corporation by way of security deposit, provided always that in the event of the contractor depositing a lump sum by way of security deposit as contemplated at (A) above then and in such case, if the sum so deposited shall not amount to the percentage mentioned in detailed tender notice, of the total estimated cost of the work it shall be lawful for Nashik Municipal Corporation at the time of making any payment to the contractor for work done under the contract to make up the full amount of the percentage mentioned in detailed tender notice, by deducting a sufficient sum from every such payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sums of money payable by the contractor to Nashik Municipal Corporation under the terms of his contract may be deducted from or paid by the sale of sufficient part of his security deposit or from the interest arising therefrom, or from any sums which may be due or

Signature of Contractor

may become due by Nashik Municipal Corporation to the contractor under any other contract or transaction of any nature on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall, within 10 days thereafter, make good in cash or Govt. securities endorsed as aforesaid any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof. The security deposit referred to, when paid in cash may, at the cost of the depositor be converted into interest bearing securities provided that depositor has expressly desired this in writing. If the amount of the security deposit to be paid in a lumpsum within the period specified at (A) above the tender/contract already accepted shall be considered as cancelled and legal steps taken against the contractor for recovery of the amounts.

Security deposit lodged by a contractor shall be refunded as per the details mentioned in Detailed Tender Notice. In the event of the contractor failing or neglecting to complete rectification work within the period up to which the contractor has agreed to maintain the work in good order, then subject to provisions of Clauses 17 & 20 hereof the amount of Security Deposit retained by Nashik Municipal Corporation shall be adjusted towards the cost incurred by department on rectification work.

Clause – 2 : The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned compensation from the date on which the order to commence work is given to the for delay contractor. The work shall through out stipulated period of the contract be proceeded with, with all due diligence (time being deemed to be of the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to one per cent or such smaller amount as the City Engineer (whose decision in writing shall be final) may decide, of the amount of the estimated cost of the whole work as shown by the tenderer for every day that the work remains uncommenced, or unfinished after the proper dates. And further to ensure good progress during execution of the work, the contractor shall be bound, in all cases in which the time allowed for any work exceeds one month to complete. The contractor should complete the work as per phase period given below

25% of the work in 1/4 of the time

50% of the work in 1/2 of the time

75% of the work in 3/4 of the time

Full of the work in full of the time

Full work will be completed within the period as mentioned in the detailed tender notice.

Note: The quantity of the work to be done within the particular time to be specified above shall be fixed and inserted in the blank space kept for the purpose by the Officer competent to accept the contracts after taking into consideration the circumstances of each case and abide by the programme of detailed progress laid down by the City Engineer. In the event of the contractor failing to comply with this conditions he shall be liable to pay as compensation an amount equal to one percent or such smaller amount as the City Engineer (whose decision in writing shall be final) may decide of the said estimated cost of the whole work for every day that the due quantity of work remains incomplete. Provided always that the total amount of compensation to be paid under the provisions of this clause shall not exceed 10 percent of the estimated cost of the work as shown in tender.

Action when whole of security deposit is fortified

Clause – 3 : In any case in which under any clause or clauses of this contract the contractors shall have rendered himself liable to pay compensation amounting to the whole of his security deposit (whether paid in one sum or deducted by installments) or in the case of abandoned of the work owing to serious illness or death of the contractor or any other cause, the Engineer, on behalf of the Government of Maharashtra, shall have power to adopt of the following courses, as he may deem best suited to the interest of Nashik Municipal Corporation.

a) To rescind the contract (for which rescission notice in writing to the contractor under the hand of City Engineer shall be conclusive evidence) and in that case the Security deposit of the contractor shall stand forfeited and be absolutely at the disposal of Corporation.

b) To carry out the work or any part of the work departmentally debiting the contractor with the cost of the work, expenditure incurred on tools and plant, and charges on additional supervisory staff including the cost of work charged establishment employed for getting unexecuted part of the work completed and crediting him with the value of the work done departmentally in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract. The certificate of the City Engineer as to the costs and other allied expenses so incurred and as to the value of the work so done departmentally shall be final and conclusive against the contractor.

c) To order that work of the contractor be measured up and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to be completed, in which case all expenses incurred on advertisement for fixing a new contractor agency, additional supervisory staff including the cost of work charged establishment and cost of the work charge agency will be debited to the contractor and the value of the work done or executed through the new contractor shall be credited to the contractor in all respects and in the same manner and at the same rates as if it has been carried out by the contractor under the terns of his contract. The certificate of the City Engineer as to all the cost of the work and other expenses incurred as aforesaid for or in getting the unexecuted work so done shall be final and conclusive against Contractor.

d) In case the contract shall be rescinded under clause (a) above the contractor shall not be entitled to recover or be paid any sum for any work therefore actually performed by him under this contract unless and until the City Engineer shall have certified in writing the performance of the such work and the amount payable to him in respect and he shall only be entitled to be paid the amount so certified. In the event of either of the course referred to in clauses (b) or (c) being adopted and the cost of the work executed departmentally or through the new contractor and other allied expenses exceeding the value if such work credited to the contractors the amount to excess shall be deducted from balance due to the contractor by N.M.C. under the contract or otherwise however or from the Security deposit or the sale proceeds thereof provided., however, that the work/contract shall have no claim against N.M.C. even if the certified value of the work done departmentally or through a new contractor exceeds the certified cost of such work & allied expenses provided always the whichever of the three course mentioned in clause(a) (b) or (c) is adopted by the City Engineer, the contractor shall have no claim to compensation for any loss sustained by him reason of him having purchased, & procured materials or entered into any engagements, or made any advances on account of or with a view to the execution of the work or the performance of the contract.

Action when the progress of any particular portions of the work is unsatisfactory

Clause – 4 : If the progress of any particular portion of the work is unsatisfactory, the City Engineer shall not withstanding that the general progress of the work is in accordance with the condition mentioned in clause 2, be

entitled to take action under clause 3 (b) after giving the contractor 10 days notice in writing. The contractor will have no claim for compensation, or any loss sustained by him owing to such action.

Contractor remains liable to pay compensation if action not taken under Clause 3 and 4

Clause – 5 : In any case in which any of the powers conferred upon the Executive Engineer by clauses 3 and 4 hereof shall have become exercisable and the same shall not have been exercised the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor for which under any clause or clauses hereof he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the contractor for past and future compensation shall remain unaffected. In the event of the Executive Engineer taking action under sub-clause (a) or (c) of clause-3, he may, if he so desires, take possession of all or any tool and plant, materials and stores in or upon the works or the site thereof or belonging to the contractor, or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account at the contract rates, or in the case of contract rates not being applicable at current market rates to be certified by Executive Engineer whose certificate thereof shall be final. In the alternative, the Executive Engineer may, after giving notice in writing to the contractor or his clerk of the work, foreman or other authorised agent require him to remove such tools and plant, materials or stores from the premises within a time to be specified in such notice, and in the event of the contractor failing to comply with any such requisition, the Executive Engineer may remove them at the contractor's expense or sale them by auction or private sale on account of the contractor and at his risk in all respects, and the certificate of the Executive Engineer as to the expense of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

Extension of time

Clause – 6 : If the contractor shall desire an extension of the time for completion of work on the ground of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the Executive Engineer before the expiration of the period stipulated in the tender or before the expiration of 30 days from the date on which he was hindered as aforesaid or on which the cause for asking for extension occurred, whichever is earlier ever and the Executive Engineer, may, with prior approval of the respective authority component to accept the tender if in his opinion, there are reasonable ground for granting an extension, grant such extension as he thinks necessary or proper the decision of the Executive Engineer in this matter shall be final.

Final Certificate

Clause – 7 : On completion of the work the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called Engineer-in-charge) of such completion; but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall have been executed all scaffolding, surplus materials and rubbish and shall have cleaned of the dirt from all wood work, doors, windows, walls, floor or other parts of any building in or upon which the work has been executed, or of which he/they may have had possession for the purpose of executing the work, nor until the works shall have been measured by the Engineer-in- charge or where the measurements have been taken by his subordinate until they received the approval of the Engineer-in- charge, the said measurements being binding and concessive against the contractor. If the contractor shall fail to comply with the requirements of this clause as to

the removal of scaffolding, surplus, materials and rubbish and cleaning off dirt on or before the date fixed for the completion of the work the Engineer-in-charge may at the expense of the contractor, remove such scaffolding, surplus materials and rubbish and dispose of the same as he thinks fit and clean of such dirt as aforesaid; and the contractor shall forthwith pay the amount of all expenses as incurred but shall have no claim in respect of any such scaffolding or surplus material as aforesaid except for any sum actually realized by the sale thereof.

Clause – 8 : No payment shall be made for any work estimated to cost less than rupees one thousand till after the whole of work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than rupees one thousand, the contractor shall, on submitting a monthly bill thereof as entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer-in-charge whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. All such intermediate payments All such shall be regarded as payments by way of advance against the final payments only and not as payments for work actually done and completed and shall not preclude the Engineer-in-charge from requiring any bad, unsound imperfect or unskilful work to be removed or taken away and reconstruction or re-erected nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the occurring of any claim nor shall it conclude, determine or effect in any other way the powers of the Engineer-in- charge as to the final settlement and adjustment of the accounts or otherwise, or in any other way vary or effect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for the completion of the work, otherwise the Engineer-in-charge's certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.

Payment at reduced rates on account of Item of work not accepted as completed, to be at the discretion of the Engineer- in-charge

Clause – 9 : The rates for several items of work estimated to cost more than Rs. 1000 agreed to within shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In case where the items of work are not accepted as so completed, the Engineer-in- charge may make payment on account of such items at reduced rates as he may consider reasonable in the preparation of final or on account bills.

Bills to be submitted monthly

Clause – 10 : A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous month, and the Engineer-in- charge shall take or cause to be taken the requisite measurement for the purpose of having the same verified, & the claim , so far as it is admissible, shall be adjusted, if possible within ten days from the presentation of the bills, if the contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-charge may depute a sub-ordinate to measure up the said work in the presence of the contractor or his duly authorised agent whose counter signature to the measurement list shall be sufficient warrant and the Engineer- in-charge may prepare a bill from such list which shall be binding on the contractor in all respect.

Bills to be on printed form

Clause – 11 : The contractor shall submit his bills on his own the printed form. The manner of preparation of bills should be according to the routine official procedure.

Signature of Contractor

Clause – 12 : If the specification or estimate of the works provides for the use of any special description of materials to be supplied from the store of the Corporation or if it is required that, the contractor shall use certain stores to be provided by the Engineer-in-charge (such materials) and stores, and the prices to be charged therefore as hereinafter mentioned being so far as practicable for convenience of the contractor but not so as in any way to control the meaning or effect of this contractor specified in the Schedule or memorandum hereto annexed, the contractor shall be supplied with such materials and stores as may be required from time to time to be used by him for the purpose of the contract only, and the value of the full quantity of the materials and stores so supplied shall be set off or deducted from any sums then due or thereafter to become due to the contractor under the contract, or otherwise, or from the Security Deposit or the proceeds of sale thereof, if the Security Deposit is held in NMC securities, the same or a sufficient portion thereof shall in that case be held for the purpose. All materials supplied to the contractor shall remain the absolute property of NMC and shall on no account be removed from the site of the work, and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at time of completion or determination of the contract shall be returned to the N.M.C. store. If the Engineer-in-charge requires by a notice in writing given under his hand, by the contractor shall not be entitled to return any such materials except with consent of the Engineer-in-charge and he shall have no claim for compensation on account of any such material supplied to him as aforesaid but remaining unused by him or for any wastage in or damage to any such materials.

Work to be executed in accordance with specification drawings orders etc

Clause – 13 : The contractor shall execute the whole and every part of the work in the most substantial and workman like manner, and both as regards materials and in every other respect in strict accordance with specifications. The contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instruction in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the contractor shall be entitled to have access for the purpose of inspection at such office, or on the site of work during office hours.

Clause No. 13 (a): The contractor will be entitled to receive three sets of contract drawings and working drawings as well as one certified copy of accepted tender along with the work order free of cost. Further copies of contract drawings and working drawings if required by him shall be supplied at the rate of Rs. 300 per set of contract drawing and Rs. 150/- per working drawing except where otherwise specified.

Alteration in specifications and designs not to invalidate contract

Clause No. 14 : The Engineer-in-charge shall have power to make any alterations in or additions to the original specifications, drawings designs and instructions that may appear to him to be a necessary or admissible during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions in this connection which may be given to him in writing signed by Engineer-in-charge and such alterations should not invalidate the contract and any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same condition in all respects on which he agreed to do the main work and at the same rates as are specified in the tender of main work. And if the additional and altered work includes any class of work for which no rate is specified in this contract such class of work shall be carried out at the sanctioned rates of the D.S.R.

Rates for works not entered for schedule of rates of the district

If the additional or altered work for which no rate is entered in the schedule of rates the Division is ordered to be carried out before the rates are agreed upon then the contractor shall, within 7 days of the date of receipt by him of the order to carry out the work, inform the Engineer-in-charge of the rate which his intention to charge for such class of work and if the Engineer-in-charge does not agree to this rate he shall by notice in writing be at liberty to cancel his order to carry out such class of work, and arrange to carry out in such manner as he may consider advisable, provided always that the contractor shall commence work or incur any expenditure in regard thereto before the rates shall have been mentioned as lastly herein before mentioned, then in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rates or rate as shall be fixed by the Engineer-in-charge. In the event of dispute, the decision of Commissioner will be final.

Extensions of time in consequence of additions or alterations

Where, however the work is to be executed according to the designs drawings and specification recommended by the contractor and accepted by the competent authority the alterations above referred to shall be within the scope of such designs, drawings and specifications appended to the tender. The time limit for the completion of the work shall be extended in the proportion that the increases in its cost occasioned by alteration or condition bears to the cost of the original contract work and the certificate of the Engineer-in- charge as to such proportion shall be conclusive.

No Claim to any payments or compensation for alteration In/or restriction of work

Clause No. 15 :

1) If at any time after the execution of the contract documents the Engineer shall for any reason whatsoever (about default on the part of the contractor for which he is entitled to rescind the contract) desire that the whole or any part of the work specified in the tender should be suspended for any period or that the whole or part of the work should not be carried out at all, he shall give to the contractor a notice in writing of such desire and upon the receipt of such notice the contractor shall forthwith, suspend or stop the work wholly or in the part as required after having due regarded to the appropriate stage at which the work should be stopped or suspended so as not cause any damage or injury to the work already done or endanger the safety thereof provided that the decision of the Engineer-in-charge as to the stage at which the work or any part of it could be or could have been safely stopped or suspended shall be final and conclusive against the Contractor. The contractor shall have no claim or any payment or compensation what so ever by reason of or in pursuance of any notice as aforesaid on account of any suspension stoppage or curtailment expect to the extent specified hereinafter.

2) Where the total suspension of work ordered as aforesaid for a continuous period exceeding 90 days the contractor shall be at liberty to with-draw from the contractual obligations under the contract so far it pertains to the unexecuted part of the work by giving a 10 day's prior notice in writing to Engineer, within 30 days of the expire of the said period of 90 days of such intention and requiring the Engineer to record the final measurements of the work already done and requiring the Engineer to record the final bill. Upon giving such notice the Contractor shall be deemed to have been discharged from his obligation to complete the remaining unexecuted work under this contract, On receipt of such notice the Engineer shall proceed to complete the measurement and such payment as may be finally due to the contractor within a period of 90 days from the receipt of such notice in respect of the work already done by the contractor, such payment shall not in any manner prejudice the right of the contractor to any further compensation under the remaining provisions of this clause.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

3) Where the Engineer required the contractor to suspend the work for a period in excess of 30 days at any time or 60 days in the aggregate, the contractor shall be entitled to apply to Engineer within 30 days of the resumption of work after such suspension for payment of compensation to the extent of pecuniary loss suffered by him, in respect of working machinery rendered idle on the site or on the account of his having had to pay the salary to wages of or labour engaged by him during the said period of suspension provided always that the contractor shall not be entitled to any claim in respect of any such working machinery, salary or wages for the first 30 days whether consecutive or in the aggregate of such suspension or in what ever consecutive in the aggregate of such suspension or in whatever in the aggregate of such suspension or in respect of any suspension whatever occasioned by unsatisfactory work or any other default on his part. The decision of the Engineer in this regard shall be final and conclusive against the contractor.

No claim to compensation on account of loss due to delay in supply of materials by N.M.C.

Clause No. 15 (A) : The contractor shall not be entitled to claim any compensation from Nashik Municipal Corporation for the loss suffered by him on account of delay by Nashik Municipal Corporation in the supply of materials entered in Schedule A, where such delay is caused by :

i) Difficulties relating to the supply of railway wagons.

ii) Force majeure.

iii) Act of God.

iv) Act of enemies of the State or any other reasonable cause beyond the control of Nashik Municipal Corporation.

In case of such delay in the supply of materials N.M.C shall grant such extension of time for the completion of the works as shall appear to the City Engineer to be reasonable in accordance with the circumstances of the case. The decision of the City Engineer as to the extension of time shall be accepted as final by the Contractor.

Time limit for unforeseen claim

Clause 16 : Under no circumstances whatever shall the contractor be entitled to any compensation from N.M.C. on any account unless the contractor shall have submitted a claim in writing to the Engineer -in-charge within one month of the cause of such claim occurring.

Action and compensation payable in case of bad work

Clause 17 : If any time before security deposit or any part thereof is refunded to the contractor it shall appear to the Engineer-in-charge or his sub-ordinate in charge of the work, that any work has been executed with unsound, imperfect or unskilful workmanship or with materials of inferior quality, or that any materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for, or are otherwise not in accordance with the contract, it shall be lawful for the Engineer-in-charge to intimate this fact in writing to the contractor and then not withstanding the fact that The work, materials or articles complained or may have been inadvertently passed, certified and paid for, the contractor shall be bound forthwith to rectify, or remove any reconstruct the work so specified in whole or in part, as the case may required or if so required, shall remove the materials or articles so specified and provided other proper and suitable materials or articles at his own charges and cost. In the event of his failing to do so within a period to be specified by the Engineer - in - charge in the

written intimation aforesaid, the contractor shall be liable to pay compensation at the rate of one per cent on the amount of the estimate for everyday not exceeding ten days, during which the failure so continues and in the case of any such failure the Engineer - in - charge may rectify or remove and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor, should the Engineer- in- charge consider that any such inferior work or materials as described above may be accepted or made use of, it shall be within his desecration to accept the same at such reduced rates as he may fix therefore.

Work to be open to inspection

Clause 18 : All works under or in course of execution in pursuance of the contract shall at all time be open to the inspection & supervision of Engineer-in-charge and his subordinates, and the contractor shall at all times during the usual working hours, and at all other times at which responsible notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor either him self be present to receive orders & instructions or have a responsible agent duly accredited in writing present for that purpose.

Contractor or responsible agent to be present

Orders given to the contractor's duly authorised agent shall be considered to have to same force and effect as if they had been given to the contractor himself.

Notice be given before works is covered up

Clause 19 : The contractor shall give not less than five days notice in writing to the Engineer-in-charge or his subordinate in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge or his subordinate in charge of the work and if any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the contractor's expense and default thereof payments or allowance shall be made for such work or for the materials with which the same was executed.

Contractor liable for damage done and for imperfections

Clause 20 : If during the defect liability period as mentioned in detailed tender notice, from the date of completion as certified by the Engineer-in-charge pursuant to Clause - 7 of the contract or defect liability period after commissioning the work, whichever is earlier in the opinion of the City Engineer, the said work is defective in any manner, whatsoever, the contractor shall forth-with on receipt of notice in that behalf from the City Engineer, duly commence execution and completely carry out at his costs in every respect all the work that may be necessary for rectifying and setting right the defects specified therein including dismantling and reconstruction of unsafe portions strictly in accordance with and in the manner prescribed and under the supervision of the City Engineer. In the event of the contractor failing or neglecting to commence execution of the said rectification work within the period prescribed therefor in the said notice; and/or to complete the same as aforesaid as required by the said notice, the City Engineer, shall get the same executed and carried out departmentally or by any other agency at the risk on account and at the cost of the contractor shall forth with on demand pay to the Nashik Municipal

Corporation the amount of such costs, charges and expenses sustained or incurred by the Nashik Municipal Corporation of which the certificate of the City Engineer shall be final and binding on the contractor. Such costs, charges and expenses shall be deemed to be arrears of property Tax, and in the event of the contractor failing or neglecting to pay the same on demand as aforesaid without prejudice to any other rights and remedies of the Nashik Municipal Corporation, the same may be recovered from the contractor as arrears of Property Tax. The Nashik Municipal Corporation shall also be entitled to deduct the same form any amount which may then be payable or which may thereafter become payable by the Nashik Municipal Corporation to the contractor either in respect of the said work or any other work whatsoever or from the amount of security Deposit retained by the Nashik Municipal Corporation.

Contractor to supply plant, ladders, scaffolding etc

Clause 21: The contractor shall supply at his own cost all materials, (except such special material, if any as may in accordance with the contract, supplied from the N.M.C.Stores), plant, tools, appliances, implements, ladder cordage, tackle, scaffolding and temporary work, requisite or proper for the proper execution of the work, whether in the original, altered or substituted form and whether included in the specifications or other documents forming part of the contract or referred or in these conditions or not and which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-charge as to any matter as to which under these conditions. He is entitled to be satisfied, or which he is entitled to require together with carriage therefor to & from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works and counting, weighting and assisting in the measurement or examination at any time and from time to time of the work or the materials.

And is liable for damages arising from non- provisions of lights fencing etc

Failing which the same may be provided by the Engineer-in-charge at the expense of the contractor and the expenses may be deducted from any money due to the contractor under the contract or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The contractor shall provide all necessary fencing and lights required to protect the public from accident, and shall also be bound to bear the expenses or defence of every suit action or other legal proceedings that may be brought by any person for injury sustained owing to neglect of the above precautions, and to pay any damages and costs which may be awarded in and such suit, action or proceeding by any such person, or which may with the consent of the contractor be paid for compromising any claim by any such person.

Clause 21(a) : The contractor shall provide suitable scaffolds and working platforms, gangways and stairways and shall comply with the following regulations in connection therewith.

(a) Suitable scaffolds shall be provided for workman for all works that cannot be safely done from a ladder or by other means.

(b) A scaffold shall not be taken down or substantially altered except.

(i) Under the supervision of a competent and responsible person and.

(ii) As far as possible by competent worker possessing adequate experience in this kind of work.

(c) All scaffolds and appliances connected there with and all ladders shall.

(I) be of sound material.

(ii) be of adequate strength having to the loads and strains to which they will be subjected and.

(iii) be maintained in proper condition.

(d) Scaffolds shall be so installed that no part thereof can be displaced in consequence of normal use.

(e) Scaffolds shall not be overloaded and so far as practicable shall be taken on ensure the strength and stability of the scaffolding

(f) Before installing lifting gear on scaffolds special precautions shall be taken to ensure the strength and stability of the scaffolds.

(g) Scaffolds shall be periodically inspected by a competent persons.

(h) Before allowing a scaffold to be used by his workmen the contractor shall, whether the scaffold has been erected by his workmen or not, take steps to ensure that it complies fully with the regulation herein specified.

(I) Working platforms, gangways and stairways shall.

(i) Be so constructed that no part thereof can sag unduly or unequally.

(ii) Be so constructed maintained, having regard to the prevailing conditions as to reduce as far as practicable risks of persons tripping or slipping and.

(iii) Be kept free from any unnecessary obstruction.

(j) In the case of working platforms, gangways, working places and stairways at a height exceeding 4 meters (to be specified)

(i)Every working platforms and every gangway shall have closely boarded unless other adequate measures are taken to ensure safety.

(ii) every working platform and gangway shall have adequate width and

(iii) Every working platform, gangway, working place and stairway shall suitably fenced.

(k) Every opening in the floor of a building or in working platform shall, except for the time and to the extend required to allow the access or persons or the transport or shifting of materials be provided with suitable means to prevent the persons or materials.

(l) When persons are employed on a roof where there is a danger of falling from a height exceeding 4 meters suitable precautions shall be taken to prevent the fall of persons or material. (to be prescribed)

(m) Suitable precautions shall be taken to prevent persons being struck by articles which might fall from scaffolds or other working places.

(n) Safe means of access shall be provided to all working platforms and other working places.

Signature of Contractor

Clause No. 21 B : The contractor shall comply with the following regulations as regards the Hoisting Appliances to be used by him. Hoisting machines and tackle, including their attachments, anchorages and supports shall be of good mechanical construction, sound materials and adequate strength and free patent defect; and be kept in good repair and in good working order.

(b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of suitable quality and adequate strength and free from patent defects.

(c) Hosting machines and tackle shall be examined and adequately tested after erection on the site and before use and be re-examined in position at intervals to be prescribed by the Engineer – in – charge.

(d) Every chain ring, hook, shackle, swivel and pulley block used in hoisting or as a means of suspension shall be periodically examined.

(e) crane driver or hoisting appliance operator shall be properly qualified.

(f) No person who is below the age of Eighteen years shall be in control of any hoisting machine including any scaffold which or give signal to the operator.

(g) In the case of every hoisting machine and of every chain ring, hook, shackle, swivel and pulley block used in hoisting or lowering or as a moans of suspension the safe working load shall be ascertained by adequate means.

(h) Every hoisting machine and all gear referred to in proceeding regulation shall be plainly marked with the safe working load.

(i) In the case of a hoisting machine having variable safe working and each safe working load and the conditions under which it is applicable shall be clearly indicated.

(j) No part of any hoisting machine or any gear referred to in regulation (7) above shall be loaded beyond the safe working load except for the purpose of testing.

(k) Motors, gearing, transmissions, electric wiring and other dangerous parts of hoisting appliance shall be provided with efficient safe guards.

(l) Hoisting appliance shall be provided with such means as will reduce to a minimum the risk of the accidental descent of the load.

(m) Adequate precaution shall be taken in reduce to a minimum the risk of any part of a suspended load becoming accidentally displaced.

Measures for prevention of fire

Clause No. 22 : The contractor shall not set fire to any standing jungle trees brushwood or grass without a written permit from the City Engineer. When such permit is given and also in all cases when destroying cut or dug up trees, brushwood; grass, etc. by fire, the contractor shall take necessary measure to prevent such fire spreading to or otherwise damaging surrounding property.

The contractor shall make his own arrangements for drinking water for the labour employed by him.

Signature of Contractor

Liability of contractor for any damage done in or out side work area

Clause – 23 : Compensation for all damage done intentionally or unintentionally by contractor's labour whether in or beyond the limits of Government property including any damage caused by the spreading of fire mentioned in clause 22 shall be estimated by the Engineer-in-charge or such other officer as he may appoint and the estimate of the Engineer-in-charge subject to the decision of the commissioner N.M.C. on appeal shall be final and the contractor shall be bound to pay the amount of the assessed compensation on demand failing which the same will be recovered from the contractor as damage in the manner prescribed in clause for reduced by the Engineer-in-charge from any sums that may be due or become due in Government to the contractor under his contract court in or otherwise.

The contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person for injury sustained by him owing to neglect of precautions to prevent the spread of fire and he shall pay any damages and cost that may be awarded by the court in consequence.

Employment of female labour

Clause – 24 : The employment of female laborers on works in the neighborhood of soldiers barracks should avoided as far as possible.

Clause – 25 : The employment of female laborers on works in the neighborhood of soldiers barracks should avoided as far as possible. Deleted

Work not to be sublet.

Clause – 26 : The contract shall not be assigned or sublet without the written approval of the Engineer-in-charge. And if the contractor shall assign or sublet his contract attempts do so or become insolvent or commence any proceeding to get himself adjudicated Deleted

Contract may be rescinded and security deposit for fetid for subletting it without approval of for bribing a public officer or if contractor becomes insolvent

The contract shall not be insolvent of make & composition with his creditors, or attempts so to do or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise shall either directly or indirectly be given, promised, offered by the contractor or any of his servants or agents or agent to any public officer or person in the employment of N.M.C. in any way for relating to his office or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract the Engineer-in-charge may thereupon by notice in writing rescind the contract and the security deposit of the contractor shall there upon stand forfeited and be absolutely at the disposal of N.M.C. and the same consequences shall ensure as if the contract had been rescinded under clause 3 hereof and in addition the contractor shall not be entitled to recover or be paid for any work there for actually performed under the contract.

Sum payable by way of compensation to be considered as reasonable compensation without reference to actual loss

Clause – 27 : All sum payable by a contractor by way of compensation under any of this condition shall be considered as a reasonable compensation to be applied to the use of N.M.C. without reference to the actual loss or damage sustained and whether any damage has or not been sustained.

Charges in the constitution of firm to be notified

Clause – 28 : In the case of tender by partners any change in the constitution of a firm shall be forthwith notified by the contractor to the Engineer-in-charge for his information. The power of attorney shall vest in the name of the same person until the work is completed.

Works to be under direction of the Commissioner of N.M.C.

Clause – 29 : All work to the executed under the contract shall be executed under the direction and subject to the approval in all respects of the commissioner for the time being, who shall be entitled to direct at what point or point and in what manner they are to be commenced, and from time to time carried on.

Decision of the Commissioner of N.M.C. to be final

Clause – 30 (1) : Except where otherwise specified in the contract and subject to the powers delegated to him by N.M.C. under the code, rules then in force. The decision ofthe City Engineer of N.M.C. for the time being shall be final, conclusive, and binding on all parties to the contract upon all question relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work, or as to any other question claim, right, matter or things whatsoever, if any way arising out of, relating to the contract, designs, drawings, specifications estimates, instructions, orders or these conditions, or otherwise concerning the work, or the execution, or failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause – 30 (2) : The contractor may within 30 days of receipt by him of any order passed by the City Engineer of the NMC as aforesaid appeal against it to the Additional Commissioner, concerned with the contract, work or project provided that-

(a) The accepted value of the contract exceeds Rs.10 Lakhs (Rs. Ten Lakhs)

(b) Amount of claim is not less than Rs.1.00 lakh (Rupees one lakh)

Clause – 30 (3): If the contractor is not satisfied with the order passed by the Additional Commissioner as aforesaid the contractor may, within thirty days of receipt by him of any such order, appeal against it to the Commissioner, Nashik Municipal Corporation who's decision is final and binding.

Stores of European or American manufacture to be obtained from N.M.C.

Clause – 31 : The contractor shall obtain from the N.M.C. stores and articles of European or American manufacture which may be required for the work, or any part thereof or in making up any article required therefor or in connection herewith unless he has obtained permission in writing from the Engineer-in-charge to obtain such stores and articles elsewhere. The value of such store and article as may be supplied to the contractor by the Engineer-in-charge will be debited to the contractor in his account at the rates shown in the schedule, in Form A attached to the contract and if they are not entered in the said schedule they shall be debited to him at cost price

which for the purpose of this contract shall include the cost of carriage and all other expenses, whatsoever, which shall have been incurred in obtaining delivery of the same at the stores aforesaid.

Lump sums in estimates

Clause – 32 : When the estimate on which a tender is made includes lump sums in respect of parts of the work the contractor shall be entitled to payment in respect of their items of works in evolved or the part of the work in question at the same rates as are payable under this contract for each items, or if the part of work in question is not in the opinion of the Engineer-in-charge capable of measurement Engineer-in-charge may at his discretion pay the lumpsum amount entered in the estimate and the certificate in writing of the Engineer-in-charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provision of this clause.

Action where no specification

Clause – 33 : In the case of any work for which there is no such specification as is mentioned in Rule 1 such work shall be carried out in accordance with the Divisional Specifications then and in the event of there being no Divisional Specifications, and in the event of there being no Divisional Specifications, then in such case the work shall be carried out as per directions of the Engineer-in-charge.

Definition of work

Clause – 34 : The expression "Works" or "Work" where used in these conditions shall unless there be something in the subject or context repugnant to such construction be construed to mean the work or works contracted to be executed under or in virtue of the contract, whether temporary or permanent and whether original, altered, substituted or additional.

Contractor's percentage whether applied to net or gross amounts of bill

Clause – 35 : The percentage referred to in the tender shall be deducted from or added to the gross amount of the bill before deduction the value of any stock issued.

Quarry fees and royalties

Clause – 36 : All quarry fees, royalties and ground rent for stacking materials, if any, should be paid by the contractor. No claim will be entertained by N.M.C.

Compensation under the workmen's compensation Act

Clause – 37 : The contractor shall be responsible for and shall pay any compensation to his workmen payable under the workmen's compensation Act.1923 (VIII OF 1923), (hereinafter called the said Act.) for injuries caused to the workmen. If compensation is payable/paid by N.M.C. as principal under subsection (1) of section 12 of the said Act on behalf of the contractor, it shall be recoverable by N.M.C. from the contractor under sub section (2) of the said section. Such compensation shall be recovered in the manner laid down in clause 1 above.

Clause – 37 A : The contractor shall be responsible for and shall pay the expenses of providing medical aid to any workmen who may suffer a bodily injury as a result of accident. If such expenses are incurred by Government

the same shall be recoverable from the contractor forthwith and deducted without prejudice to any other remedy of Government/ NMC from any amount due to the contractor.

Clause – 37 B : The contractor shall provide all necessary personal safety equipment and first aid apparatus available for the use of the persons employed on the site shall maintain the same condition suitable for immediate use at any time and shall comply with the following regulations in connection therewith:-

a) The workers shall be required to use the equipment so provided by the contractor and the contractor shall take adequate steps to ensure proper use of the equipment by those concerned.

b) When work is carried out in proximity to any place where there is a risk of drowning, all necessary equipment shall be provided and kept ready for use and all necessary steps shall be taken for the prompt rescue of nay person in danger.

c) Adequate provision shall be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

Clause – 37 C : The contractor shall duly comply with the provisions of 'The Apprentices Act 1961 (III of 1961), the rules made there under and the orders that may be issused from time to time under the said Act and the said rules and on his failure or neglect to do so, he shall be subject to all the liabilities and penalties provided by the said act the said the said rule.

Clause 38 : (1) Quantities in respect of the several items shown in the tender are approximate and no revision in the tendered rate shall be permitted in respect of any of the items so long as, subject to any special provision contained in the specifications prescribing a different percentage of permissible variation, the quantities of the items does not exceed the tender quantity by more than 25 % and so long as the value of the excess quantity beyond this limit, at the rate of the item specified in the tender, is not more than Rs. 5000/-

(2) The contractor shall if ordered in writing by the Engineer, so to do also Contractor NO. of Correction Executive Engineer 88 carry out any quantities in excess of the limit mentioned in sub-clause (1) hereof on the same conditions as and in accordance with specifications in the tender and at the rates (i) derived from the rates entered in the current schedule of rates and in the absence of such rates (ii) at the rate prevailing in the market the said rates being increased or decreased as the case may be, by the percentage which the total tendered amount bears to the estimated cost of the work as put to tender, based upon the schedule of rates applicable to the year in which the tenders were invited.

Deleted

(3) Claims arising out of reduction in the tendered quantity of any item beyond 25 % will be governed by the provisions of clause 15 only when the amount of such reduction beyond 25 % at the rate of the item specified in the

tender is more than Rs. 5000/-.

(Ref. : 1) Govt. Circular No. संकीर्ण -2004/प्र.क्र. 85 /रस्ते -1दि. 11.06.2004 /03.08.2018 2) Govt. Circular No. CAT/2017 / प्र.क्र..8/ ईमा.-२ दि. २२.१०.२०१८.

Employment or famine labour etc

Clause – 39 : The contractor shall employ any famine convict or other labour of a particular kind or class if ordered in writing to do so by the Engineer in charge.

Claims for compensation for delay in starting the work

Clause – 40 : No compensation shall be allowed for any delay caused in the starting of the work on account of land acquisition, encroachment removal, tree cutting, alignment issues, court matters/stay orders, clearance of works, or delay in according sanction to estimates, or for any other reasons beyond the control of Nashik Municipal Corporation.

Claims for compensation for delay in execution of work

Clause – 41 : No compensation shall be allowed for any delay in the execution of the work on account of water standing in borrow pits or compartments, hard or cracked soil, excavations in mud, sub-soil water, encroachment removal, tree cutting, alignment issues, court matters/stay orders, or land acquisition. The rates are inclusive of all such contingencies and no claim for an extra rate shall be entertained unless otherwise expressly specified.

Entering upon or commencing any portion of work

Clause – 42 : The contractor shall not enter upon or commence any portion of work except with the written authority and instructions of the Engineer-in-charge or his subordinate in charge of the work Failing such authority the contractor shall have no claim to ask for measurement of work or payment of work.

Minimum age of person employed the employment of donkey and/ or other animals and the payment of fair wages

Clause – 43 : Sub-clause VI The contractor shall provide drinking water facilities to the workers.

(i) No contractor shall employ any person who is under age of 12 years.

(ii) No contractor shall employ donkey or other animals with breaching or string or thin rope. The breaching must be of least three inches wide and should be tape (Nawar.)

(iii) No animal suffering from stores, lame ness or emaciation or which is immature shall be employed on the work.

(iv) The Engineer-in-charge or his Agent is authorised to remove from the work any person or animal found working which does not satisfy these condition and no responsibility shall be accepted by N.M.C. for any delay caused in the work by such removal.

(v) The contractor shall pay fair and reasonable wages to the workmen employed by him in the contract undertaken by him. In the event of any dispute arising between the contractor and his workmen on he grounds that the wages paid are not fair and reasonable the dispute shall be referred with out delay to the Executive Engineer (p) shall decide the same. The decision of the Executive Engineer (P) who shall be conclusive and binding on the contractor but such decision shall not in any way affect the condition of the contract regarding the payments to be made by N.M.C. at the sanctioned tender rates.

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(vi) contractor shall provide drinking water facilities to the workers.

(vii) Contractor to take precaution against accidents which take place on account of labour using loose garments while working near machinery.

Method of payment

Clause – 44 : Payment to contractors shall be made by cheque drawn on any treasury provided the amount exceeds Rs.10/- Amount not exceeding Rs.10 will be paid in cash.

Acceptance of conditions compulsory before tendering for work

Clause – 45 : Any contractor who does not accept these conditions shall not allowed to tender for works. Employment of scarcity labour.

Clause – 46 : If Government declares a state of scarcity or famine to exist in any village situated within 16 kms. of the work, the Contractor shall employ upon such parts of the work, as are suitable for unskilled labour, any person certified to him by the Executive Engineer, or by any person to whom the Executive Engineer may have delegated this duty in writing to be in need of relief and shall be bound to pay to such persons wages not below the minimum which Government may have fixed in this behalf. Any disputes which may arise in connection with the implementation of this clause shall be decided by the Executive Engineer whose decision shall be final and binding on the contractor.

Clause – 47 : The price quoted by the contractor shall not in any case exceed the control price, if any, fixed by Government or reasonable price which it is permissible for him to charge a private purchaser for the same class and description the controlled price or the price permissible under Hoarding and Profiteering Ordinance, 1943 as amended from time to time. If the price quoted exceeds the controlled price or the price permissible under Hoarding and Profiteering Prevention Ordinance, the contractor will specifically mention this fact in his tender alongwith the reasons for quoting such higher prices. The purchaser at his discretion will in such case exercise the right of revising the price at any stage so as to conform with the controlled price on the permissible under the Hoarding and Profiteering Prevention Ordinance. This discretion will be exercised without prejudice to any other action that may be taken against the contractor.

Clause – 47 A : The Rates of Items in schedule "B"/ (BOQ) of NIT are exclusive of Taxes, in respect of sale by transfer of property in goods involved in the execution of a Works Contract under the provision of rule 51 of the Maharashtra Goods and Services Act. 2017.

Clause – 48 : GST shall be payable on the accepted contract value at prevailing rates seperately. Contractor shall quote his rates excluding GST.

• Amount of GST @2% i.e.1% C.G.S.T. + 1% S.G.S.T. will be deducted at source (TDS)

Clause – 49 : In case of materials that may remain surplus with the contractor from those issued for the work contracted for the date of ascertainment of the materials being surplus will be taken as the date of sale for the purpose of sales tax and the sales tax be recovered on such sale.

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Clause – 50 : The contractor shall employ unskilled labour to be employed by him on the said work only from locally available labours and shall give preference to those persons enrolled under Maharashtra Government and Self

Employment Department's Scheme. Provided, however, that if the required unskilled labour are not available locally, the contractor shall in the first instance employ such number of persons as is available and thereafter may with previous permission in writing of the Executive Engineer-in-charge of the said work, obtain the rest of his requirement of unskilled labour from out side the above scheme.

Clause – 51 : Wages to be paid to the skilled and unskilled labours engaged by the contractor. The contractor shall pay the labours skilled and unskilled according to the wages prescribed by the Minimum Wages Act 1948 applicable to the area in which the work of the contractor is located.

Clause – 52 : All amounts whatsoever which the contractor is liable to pay to the Government in connection with the execution of the work including the amount payable in respect of (i) materials and / or stores supplied / issued hereunder by the Government to the Contractor (ii) hire charges in respect of heavy plant, machinery and equipment given on hire by the Government to the contractor for execution by him of the work and/or on which the advances have been given by the Government to the contractor shall be deemed to be Arrears of l and Revenue and the Government may without prejudice to any other rights and remedies of the Government recover the same from the contractor as arrears of land revenue.

Clause – 53 : The contractor shall duly comply with all the provisions of the Contract Labour (Regulation and Abolition) Act 1970, (37 of 1970) and the Maharashtra Contract Labour (Regulation and Abolition) Rules, 1971 as amended from time to time and all other relevant statutes and statutory provision concerning payment of wages particularly to workmen employed by the contractor and working on the site of the work. In particular the contractor shall pay wages to each worker employed by him on the site of the work at the rates prescribed under the Maharashtra Contract Labour (Regulation And Abolition) Rules 1971 If the contractor fails or neglects to pay wages at the said rates or makes short payment and the Government makes such payment of wages in full or part thereof less paid by the contractor, as the case may be, the amount so paid by the Government to such works shall be deemed to be an arrears of land revenue and Government shall be entitled or deduct the same from the amount payable by the Govt. to the contractor here under or from any other amounts payable to him by the Government.

Clause – 54 : The Contractor shall engage apprentices such as bricks layers, carpenters, wiremen, plumber as well as black-smith as recommended by the State Apprenticeship Advisor, Director of Technical Education, Dhobi Talao, Mumbai-1 on the construction work.

Clause – 55 : (A) The antimalaria and other health measures shall be as directed by the Joint Director (Malaria and Filaria) of Health Services, Pune.

(B.) Contractor shall see that mosquitogenic conditions are not created so as to keep vector populations to the minimum level.

(C.) Contractor shall carry out anti- malaria measures in the area as per guidelines prescribed under National Malaria Eradication Programme and as directed by the Joint Director (M & F) of Health Services, Pune.

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(D.) In case of default in carrying out prescribed antimalaria measure resulting increasing in malaria incidence contractor shall be liable to pay to Government the amount pent by Government on antimalaria measures to control the situation in addition to fine.

(E.) RELATION WITH PUBLIC AUTHORITIES:

The contractor shall make sufficient arrangement for draining away the sullage water as well as water coming from the bathing and washing places and shall dispose off this water in such a way as not to cause any nuisance. He shall also keep the premises clean by employing sufficient number of sweepers. The contractor shall comply with all rules regulation, byelaws and direction given time to time by any local or public authority in connection with this work and shall pay fees or charges which are leviable on him without any extra cost to Government.

Clause – 56 : INSURANCE OF CONTRACT WORK

i) Contractor shall take out necessary Insurance Policy / Policies (viz. Contractor's All Risks Insurance Policy. Erection All Risks Insurance Policy etc. as decided by the Directorate of Insurance) so as to provide adequate insurance cover for execution of the awarded contract work for total contract value and complete contract period compulsorily from the Directorate of Insurance, Maharashtra State, Mumbai " Its postal address for correspondence is " 264, MHADA, First Floor, Opp. Kalanagar, Bandra (E), Mumbai-400 051". (Telephone Nos. 2659 0403/ 2659 0690 and Fax Nos. 2659 2461/ 2659 0403). Similarly all workmen's appointed to complete the contract work are required to be insured under workmen's compensation Insurance Policy, Insurance Policy / Policies taken out from any other Company will not be accepted. If any Contractor has effected Insurance with any Insurance Company, the same will not be accepted and the amount of premium calculated by the Government Insurance fund will be recovered directly from the amount payable to the Contractor for the executed contract work and paid to the Directorate of Insurance Fund, Maharashtra State, Mumbai. The Director of Insurance reserves the right to distribute the risks of insurance among the

other insurers.

ii) The Contractor shall produce the work insurance policy, the same will be reimbursed to the contractor. If contractor fails to produce the work insurance policy, Concerned Executive Engineer shall draw the policy, the amount two times amount of expenditure incurred for drawing the policy shall be recovered from the Ist R.A. Bill of the contractor as penalty to the contractor.

iii) If completion period of work is Extended, then period of work Insurance must be renewed / Extended as per requirement.

Clause – 57 : As per building and other construction workers (Resolution of employment and condition of service) Act 1996 and the Building and other construction workers welfare cess Act 1996 and Government of Maharashtra GR. No. BCA 2009/C.No.108/LabourA dt. 17.6.2010 cess of 1% on cost of work shall be recovered from bills payable to the contractor.

Note: As per the guidelines dated 27/09/2018, there is no provision for Price variation, Star rate for this work.

Signature of Contractor

6 Additional General Conditions and Specifications

6.1 Contractor's Obligations

The work shall be performed at the place named over the head of the specification or near such place as may be approved by the Engineer and the contractor shall unless in cases other than specially approved, make any payments at his own expense for supervision and labour which the Engineer may consider necessary for the execution of the work and for performing obligations of the contract under the contract of which the NMC would have and to take, do or supply, had they themselves carried over the construction of the work.

6.2 Inspection of the Work

The contractor shall inform, by writing in advance to the Engineer-in- charge, if he wants that work should be inspected by the Engineer-in- charge, or if he wants some decision, checking, clarification etc. from Engineer-in-charge.

The instructions on site by Engineer-in-charge shall be recorded in appropriate visit register. The compliance along with the note shall be brought up in the office documents of the work.

Notwithstanding anything contained in the article, the Engineer-in-charge is empowered to visit, inspect the work without giving notice to the contractor at any time (surprise visit or so) for which the contractor shall not take any objection. All the compliance, rectification, repair etc. shall be done by the contractor, as soon as they are brought to his notice, unless which the payment shall not be made (of the items concerned).

6.3 Information Regarding Labour

The contractor shall inform, by writing in advance to the Engineer-in- charge, if he wants that work should be inspected by the Engineer-in- charge, or if he wants some decision, checking, clarification etc. from Engineer-in-charge.

The instructions on site by Engineer-in-charge shall be recorded in appropriate visit register. The compliance along with the note shall be brought up in the office documents of the work.

Notwithstanding anything contained in the article, the Engineer-in-charge is empowered to visit, inspect the work without giving notice to the contractor at any time (surprise visit or so) for which the contractor shall not take any objection. All the compliance, rectification, repair etc. shall be done by the contractor, as soon as they are brought to his notice, unless which the payment shall not be made (of the items concerned).

6.4 Programme

The Engineer-in-charge may at any time give directions as to the order and manner in which the several parts of work shall be carried out and the contractor shall at all times subject to the approval of the Engineer, strictly observe such directions.

6.5 Indemnity

The contractor shall indemnify the NMC of all actions, suits, claims and demands brought or made against NMC in respect of any matter or thing done or omitted and being done by the Contractor and loss or damage to the

NMC covering consequences of any action or suits being brought against the information of the works of this contract.

6.6 Methods for Carrying out the Work

The contractor shall furnish for the approval of the Engineer-in-charge a schedule giving the programme of the works giving details of the method of execution proposed to be adopted. No work shall be carried out by any other method except that approved by the Engineer-in-charge. The Engineer-in-charge may suggest suitable modifications in the programme and method prepared by the Contractor. Additional any such changes will not entitle the contractor for claiming any extra rate.

6.7 Relations with Public Authorities

The contractor shall abide by all proper and legal orders and directions given from time to time by any local or public authorities and shall pay money, fees or charges to which he may be liable.

6.8 Explosives

The contractor shall at his own expenses construct and maintain magazines if such are required for the storage of explosive for use in connection with the works, such magazines being suitably constructed and maintained in accordance with the Govt. rules applicable.

The contractor shall at his own expenses obtain such license or licenses as may be necessary for storing and using explosives. The NMC shall not incur any responsibility whatsoever in connection with the stores and use of explosive on the site or any accident or occurrence whatsoever which shall is be at the risk of the contractor and on his sole responsibility and the contractor shall give the NMC absolute indemnity in respect thereof.

6.9 Damage by Floods and Accidents

The contractor shall take all precautions against damages by flood or from accidents. No compensation will be allowed to the contractor for his plant and materials, centering for R.C.C. works etc. lost or damaged by floods or from any other cause. The contractor shall be liable to make good any plant or materials belonging to NMC lost or damaged by floods or from any other cause while in charge of the contractor. Correcting and repairing any damage which may be suffered from floods or any other natural calamity or accident at any part of the site during construction shall not be paid to the contractor.

6.10 Treasure Trove

In the event of the discovery by the contractor or by his employees during the progress of the work of any treasure minerals or other articles, or other things of interest, the Contractor shall give immediate notice thereof to the Engineer-in-charge and forthwith hand-over the Engineer-in-charge such treasure or other articles which shall be the property of the Corporation.

6.11 Returns

The Contractors shall furnish to the Engineer-in-charge every week during the progress of the work classified weekly returns of the number of the people employed on the work during the work.

a) A weekly medical report showing the health of contract labour, the number or persons ill and the nature of their illness.

b) A report within 24 hours of its occurrence of any accident on site.

6.12 Trespass

The Contractor shall at all times, be responsible for any damages trespasses committed by his agent and works-people in carrying out of work, unless such damage or trespasses is authorized by the Engineer-in- charge in writing.

6.13 Occupation of Additional Lands

In cases where it becomes necessary, for the due fulfillment of the contract, for the Contractor to occupy land either within or outside the N.M.C. limits for temporary purposes such as work sites, yards, storage, or other ancillary requirements, the Contractor shall make his own arrangements with the respective landowners and shall pay such fees, rents, or charges as may be mutually agreed between them.

The N.M.C. shall not be responsible for acquiring land on behalf of the Contractor. However, the Corporation will provide all reasonable assistance to enable the Contractor to obtain such land for temporary use.

6.14 Police Protection

If special protection of his camp of workpeople is asked for by the contractor, the NMC will arrange for such protection as far as possible from the authorities concerned and the full cost of such protection shall be debited to the contractor and recovered from his bills.

6.15 Controlled Materials

i) The N.M.C. will supply materials as mentioned in Schedule 'A' only required for the construction of the work in question to the contractor. The rates at which these materials will be charged to the contractor the places where they will be delivered to the contractor have been mentioned in the schedule 'A' of B-2 form attached in the tender documents.

ii) As regards controlled materials NMC will issue only permits to the contractor for the same and will be co-operated with the contractor in obtaining the material. NMC does not accept any responsibility for any delay or loss on account of delay caused for in obtaining the materials.

The contractor shall submit monthly returns in the prescribed form as to the receipt of any actual quantities used for to central charge at the close of every calendar month.

The contractor shall permit the engineer-in-charge or his representative to inspect the stock of the controlled materials stored by him at any time whenever Engineer-in-charge or his representative desires.

6.16 Permits and Licences

The contractor shall secure at his own expenses all permits and licenses and pay all charges and fees and give all notices necessary and due in connection with the lawful execution of the work.

6.17 Returned Devices, Material and Progress

Whenever the contractor desires to use any design device, material or processes covered by letters of patent or copyright, the right and the name shall be secured by suitable legal agreement with the patentee or owner. Copy or their agreement shall be filed with Engineer-in-charge.

6.18 Temporary Quarters

The contractor shall be required to make his own arrangement for the housing of all his staff on work. The contractor shall maintain at his own expenses; efficient supervising staff as may be required by the Engineer-in-charge. Suitable fire prevention measures to the satisfaction of the Engineer, shall be taken by the contractor.

6.19 Plant

The contractor must fulfil the condition as mentioned in detailed tender notice at his own expenses, the contractor shall also install the plant for other material to perform the work within the time agreed into the contract and keep it in working condition. He must also at his own expenses extend or improve it, when required by written request of the Engineer-in-charge.

All unused material and all tents and implement not removed by the contractor within two months of the completion date shall become the property of NMC and the contractor shall respect thereof.

6.20 Medical and Sanitary Arrangement

Conditions regarding medical and sanitary arrangement to be provided for labour employed in the construction of the work by the contractor.

1. The contractor shall provide supply of pure and wholesome water for the use of labour. This provision shall be at the rate of not less than

50 liters per head. No provision may be made where there is suitable flowing nalla, river or well within 500 meters of the camp.

2. The contractor shall construct trench of semi-permanent latrines for the use of the labour. Such latrines shall be on the scale of not less than five per hundred persons in the camp. Separate latrines shall be provided for men and women.

The labour may at their option be allowed to use either trench system or the latrine system.

3. HUTMENTS:

Contractor shall build a sufficient number of huts on suitable plot in land for the use of the labour according to the following specification-

i) Huts of bamboo and grass may be constructed.

ii) A good site shall be selected on high ground removed from jungle, but well provided with trees. Whenever it is available the neighborhood of jungle grass or weeds should be particularly avoided. Camps should not be established close to large cuttings or earthwork.

iii) The lines of huts shall have spaces of at least 10 yards between two rows. When a good natural site cannot be provided, particular attention should be given to the drainage.

iv) There should be no over crowding, floor space at the rate of 30 Sq. Ft. per head shall be provided. Care should be taken to see that huts are kept clean and in good order.

v) The contractor must find his own land and if he wants Municipal land he should apply for and pay assessment for it.

4. The contractor shall construct a sufficient number of bathing places. One unit per 20 person shall be provided. Such bathing place should be suitably screened, and separate places should be provided for the purpose of washing clothes.

5. The contractor shall engage a medical officer with a mobile dispensary for a camp of 500 persons, if there is no municipal or other private dispensary situated within one kilometer from the camp.

6. The contractor shall make sufficient arrangement for draining sewage water from the bathing or washing place and shall dispose of wastewater in such a way as not to cause nuisance.

7. The contractor shall provide the necessary staff for effecting satisfactory conservancy and clean lines of the camp upto the satisfaction of the Corporation's Engineer. At least one sweeper per two hundred persons should be engaged.

8. M.O.H. of NMC shall be consulted before opening a labour camp and as per his instructions on the matter such as the water supply, sanitary convenience at the campsite, accommodation and food supply to be followed by the contractor.

9.The contractor shall make arrangements for all ultimate measures to be provided for the labour employed on the work. The anti-malaria measures shall be taken as directed by the Asstt. Director of Public Health.

6.21 Wages to be Paid to the Skilled and Unskilled Labour

The contractor or his representative shall pay the labour, skilled and unskilled, according to the wages prescribed by the Minimum Wages Act applicable to the area in which the work of the contractor is in progress.

6.22 Books of Reference

The work included in this contract shall be carried out in accordance with the specifications, rules and regulations laid down in the books mentioned below in order of the priority.

i) Ministry of Road Transport & Highways - specifications for Road & Bridge works

ii) Indian Road Congress Specification

iii) Codes of Indian standard Institute

iv) Standard Specifications- Vol. I. & Vol – II published by Public Works Department, Govt. of Maharashtra

v) British Standard Specifications

vi) American Standard Specifications

vii) P.W.D. Handbook of Govt. of Maharashtra

viii) Any Other Standard Specifications approved by the Engineer or as directed by the Engineer.

If the reference books quoted above are short for the items quoted in the Schedule of this contract, reference shall be made to the higher authorities and decision of whom shall be final. It will be presumed that the contractor has tendered for the work full knowledge of the terms, conditions and specifications mentioned. The std. specifications, the plans and the special provision and all supplementary documents are essential parts of the contract.

6.23 Contract Drawings

The Contractor shall execute the whole of the work in the most substantial and workmen like manner and both as regards materials and in every other respects in strict accordance with specifications. The Contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work sites by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access for the purpose of inspection at such office or on the site of work during office hours. The Contractor will be entitled to received three sets of scrutinized and certified drawings.

6.24 Subletting of Work

Not allowed

6.25 Foreman, Watchman and Workman

The Contractor shall employ only competent and experienced foremen, watchmen, and workmen for the execution of the work. The Engineer of the Corporation shall, at all times, have the authority to order the removal from the site of any foreman, watchman, or workman whose conduct, behavior, or lack of competence is, in the opinion of the Engineer, unsatisfactory or detrimental to the progress and quality of the work. The Contractor shall be bound to replace such persons immediately at his own cost without any claim against Corporation.

6.26 Examination Plans and Locations

Statements as to the conditions under which the work is to be performed including plans, survey measurements, dimensions, calculations, estimates, bearing etc. are made solely to furnish basis of comparison of tenders and the Corporation does not guarantee or represent that they are even approximately correct. The contractor must satisfy himself by his own investigation and research regarding all conditions affecting the work to be done and labour and materials needed and make his bid in sole reliance thereon.

6.27 Co- ordination of Specifications, Plans and Special Provisions

The standard specifications, plans, special provisions, and all supplementary documents shall be deemed essential parts of the contract, and each requirement therein shall be as binding as if fully set forth in all. These documents are intended to be complementary and shall be read together to ensure the execution of a complete and proper work. In case of any discrepancy or disagreement: The Plans shall prevail over the standard specifications. The Special Provisions shall prevail over both the Plans and the standard specifications. Written

figures and dimensions shall prevail over scaled dimensions. Any such discrepancies or variations shall be finally resolved by the Engineer-in-Charge, whose decision shall be binding on the the Engineer-in-charge.

6.28 Inspection Of Work and Materials

a) The Engineer and other authorized employees of the Corporation shall have the right, at any time and for any purpose, to enter upon the work site and any premises used by the Contractor. The Contractor shall provide all necessary, safe, and proper facilities to enable such entry.

b) Inspection of works or of payments made to workers shall not relieve the Contractor of his full responsibility and obligation to perform the works in accordance with the terms of the Contract, the approved Plans, Specifications, and all other prescribed conditions.

c) The Contractor shall provide the Engineer-in-Charge or his authorized representative with all reasonable facilities and assistance to ascertain whether the works are being executed in accordance with the requirements and instructions of the Plans and Specifications. If so directed, the Contractor shall, at any stage before or after execution, uncover, dismantle, or remove any portion of the completed work for inspection at his own cost. After inspection, the Contractor shall reinstate such work in conformity with the Specifications at his own cost.

d) The Contractor shall, in writing, furnish the Engineer-in-Charge with details of the regional sources of supply and the date of manufacture of all materials procured or manufactured outside the work site.

e) To ensure proper scheduling and timely inspection/approval, such information shall generally be furnished four weeks in advance, and in no case later than two weeks prior to the proposed use or incorporation of such materials in the works.

6.29 Samples and Tests

Tests of materials shall be carried out regularly as per specifications, and also whenever specifically directed by the Engineer or the Quality Control Department of NMC. The Contractor shall provide all necessary facilities required by the Engineer for collection, handling, and forwarding of samples. The Contractor shall not make use of, or incorporate in the works, any material represented by such samples until the required tests have been conducted and the materials are duly accepted.

The Contractor shall, in all cases, furnish the required samples free of charge and shall also bear the full cost of testing, including conveyance of samples to and from the approved laboratory, unless otherwise specifically provided in Schedule–B. The directions, certification, or approval of the Quality Control Department of NMC shall be binding in this regard.

6.30 Testing of Materials

A) All materials to be used in the works, such as cement, aggregates, concrete, mild steel reinforcement, structural steel, TOR steel, etc., shall strictly comply with the requirements of the Engineer-in-Charge and the Quality Control Department of NMC. Such materials shall be subject to tests and analysis as required by the Engineer-in-Charge, in accordance with the relevant specifications of the Indian Roads Congress (IRC), Indian Standards (IS), or other recognized and authorized specifications, as applicable.

The Contractor shall, at his own risk and cost, make all necessary arrangements and provide all facilities as may be required by the Engineer-in-Charge or the Quality Control Department for collecting, preparing, and forwarding the required number of samples for testing or analysis, at such times and to such laboratories or places as directed.

The Contractor shall, whenever required, submit representative samples of materials proposed to be used in the works. If so directed, he shall not use or incorporate any such material in the works until the prescribed tests or analysis have been completed and the material has been duly approved by the Engineer-in-Charge.

The site of the proposed work is indicated on the drawings. The exact position shall be set out and aligned by the Contractor at his own cost, to the satisfaction of the Engineer-in-Charge, prior to the commencement of work. Such reference points shall be carefully preserved by the Contractor throughout the execution of the works.

B) Maintenance Manual and Responsibilities – Concrete Roads

The contractor shall prepare and submit a Maintenance Manual detailing the procedure for inspection and maintenance of the concrete road, including:

Periodicity of maintenance works, Inspection methods and checklists, Tools, equipment, and materials to be used, Means of accessibility to all parts of the road, and Specifications for maintenance works in accordance with relevant standards.

Maintenance of concrete roads shall be carried out in accordance with the "Manual for Maintenance of Roads", IRC:SP:83 – Guidelines for Maintenance, Repairs and Rehabilitation of Cement Concrete Pavements, and relevant clauses of MORTH Specifications (Section 600).

The contractor shall be responsible for repairs and rectifications arising directly from deficiencies in construction or non-compliance with specifications during the defect liability period. This includes localized spalling, honeycombing, or surface defects resulting from workmanship or materials.period.

6.31 Character of Site

Section of the ground including trial pit (or bore) results as indicated on the drawings are approximate and cannot be guaranteed nor can it be promised that the ground (or water level) will be as at present shown when the work is started.

The Contractor before tendering should visit the site and satisfy himself as to the nature of the ground etc. and also carry out and ascertain the subsoil strata for working and also under ground water.

6.32 Testing of Superstructure

If there are reasonable doubts as to the quality of workmanship or of materials in the construction, the City Engineer, on the recommendation of the Engineer-in-charge may order the Contractor to satisfy the Corporation by carrying out suitable load test or tests of the structure parts hereof in the manner as may be approved by him. In the event of insufficiency being noticed as the load test or tests and dismantling and reconstruction or strengthening where necessary as above shall be carried out by the Contractor entirely at his risk and cost and to the entire satisfaction of the Engineer-in-charge and till then the work shall not be considered to have been completed.

Signature of Contractor

6.33 Rate Analysis

Contractor shall supply the rate analysis when the question of E.I.R.L. arises. In case of extra items the Contractor shall invariably supply rate analysis based on labour and materials along with quotations in support of the rates if called for and start the work of extra items only after the work is approved by the competent authority.

6.34 Mobilisation Advance

No Mobilisation advance shall be paid under this contract.

6.35 Material and Works Specification

All the materials to be used and works to be executed under this contract shall confirm to "SPECIFICATIONS FOR ROAD WORKS" (latest revision) issued by the Ministry of Road Transport and highways published by Indian Road congress.

Where reference is made in the contract to specific standards codes to be met by the materials, plant and other supplies to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards as on date of tender and codes in effect shall apply, unless, otherwise expressly stated in the contract.

6.36 Access

The Contractor should verify the site details including access to work site, the place where water and electrical energy is energy is available, the places for dumping stores and materials and places for erection of site offices. The contractors are deemed to have considered for all contingencies connected with work site and access to it. The contractors are deemed to have considered for all contingencies connected in access for operation and movement of machinery to be used for this project viz. Sensor pavers, pneumatic – vibratory rollers, bitumen sprayers, JCB, Poclain, Motor graders, transit mixer etc. the contractors shall provide approaches to the site of works at their own cost and maintain till completion of the work. No claim whatsoever shall be entertained on this account.

6.37 Bills and Payments

Normally, one running, payment will be allowed monthly. Two running payments in a month may be permitted depending on the progress of work executed and as decided by the Executive Engineer. Printed copies of the bill forms as per this format shall be arranged by the contractor at his cost. The bills in five copies shall be submitted to the concerned Engineer in the standard Proforma only.

6.38 Production of Vouchers

The contractor shall, when required by the Engineer, produce all quotations, invoices, challans, royalty charges challan, vouchers and accounts or receipts etc. to prove that the materials supplied by him are in conformity with the specification laid down in the contract.

6.39 No Interest for Delayed Payment

No claim for interest or damage will be entertained by the Municipal Corporation with respect to any money, or balances which may be in his hands owing to any dispute or difference, or misunderstanding between the

Corporation's offices on one hand and the contractor on the other, or with respect to any delay on the part of the Municipal Corporation in making periodical or final payments, or in any other respect whatever.

Any interim certificate given relating to work done or material delivered may be modified or corrected by any subsequent interim certificate or by the final certificate. No certificate of the Engineer supporting an interim payment shall if itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract.

6.40 Payment of Final Bill

The contractor shall submit the final bill within three months from the date of issue of the Completion Certificate. After submission, no further claims shall be entertained, and all such claims shall be deemed to have been waived and extinguished.

Payment shall be made for all undisputed items in the bill, and for disputed items to the extent of quantities and rates as approved by the City Engineer, NMC, within a reasonable period necessary for verification and certification.

Payment of the final bill shall be deemed as full and final settlement of all dues and claims under the contract, except for such items as the contractor may specifically dispute in writing within ninety (90) days from the date of payment. Any claims not raised in this manner and within this period shall be treated as extinguished and shall not be admissible thereafter.

6.41 Alterations, Additions and Omissions

a. The Engineer shall make any variation of the form , quality or quantity of the works of any part thereof that may in his opinion, be necessary and for that purpose, or if for any other reason it shall, in his opinion, be appropriate, he shall have the authority to instruct the contractor to do and the contractor shall do any of the following.

i. Increase or decrease the scope of work included in the contract,
ii. Omit any such work (but not if the omitted work is to be carried out by the Corporation)
iii. Change the character or quality or kind of any such work,
iv. Change the levels, lines, position and dimensions of any part of the works,
v. Execute additional work of any kind necessary for the completion of the works.
vi. Change any specified sequence or timing of construction of any part of the works.

No such variation shall in any way vitiate or invalidate the contract, but the effect, if any, of all such variations shall be valued in accordance with the relevant clause of General conditions of contract / special conditions of contract / additional special conditions of contract.

6.42 Deviation Limit

Quantities shown in the Tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender or estimate, to any extent.

6.43 Disputes

Disputes (if any) raised is subject to jurisdiction of Civil court of Nashik only.

Signature of Contractor

6.44 Completion Certificate

The work shall not be deemed complete under this contract until the Engineer has, in writing, certified it to be so. Any approval, acceptance, or inspection of materials, workmanship, or portions of the work during execution shall not bind the Engineer, nor shall it prevent him from subsequently rejecting the work, in whole or in part, if found unsatisfactory.

The Engineer shall be fully empowered to withhold the Certificate of Completion until all alterations, modifications, or reconstructions as directed by him have been carried out by the Contractor, entirely at the Contractor's cost, to the satisfaction of the Corporation. The Contractor shall have no claim for completion or payment until such certification is issued.

6.45 Defect Liability Period and Maintenance Liability

The contractor shall be responsible for rectification of defects for a period as mentioned in detailed tender notice from the certified date of completion by the Corporation. This period shall be known as defects liability period, subsequent to taking over of the works and after it has been in use, its (their) maintenance would be the responsibility of the contractor. Any defects or failures during this period shall be rectified by the contractor within reasonable time notified in writing by the corporation. If the same is not carried out in the stipulated time, corporation shall have the right to get it repaired departmentally or through any other agency. The direct and indirect cost incurred as decided by NMC shall be recovered from the any payment due to the contractor towards NMC or from security deposit.

6.46 Performance/ Maintenance Guarantee

The contractors shall be required to execute an indemnity bond for satisfactory performance / maintenance of entire project, on a stamp paper of requisite value as per the format in tender. This indemnity bond shall remain in force till completion of defect liability period after completion of the project.

6.47 Electric Supply

No electrical power connection shall be provided by Corporation. The contractor shall make his own arrangement for electrical power as may be required.

6.48 Quarries

The contractor shall arrange for quarrying of metal, sand, earth etc. at his own cost including royalties from quarries approved by NMC.

Only approved materials from these quarries shall be used on work. The test results of these materials should satisfy the requirements as per specifications. The responsibility for arranging and obtaining the land for borrowing or exploitation in any other way shall rest with the contractor, who shall ensure smooth and uninterrupted supply of material of the required quality and quantity during construction period.

6.49 General Arrangement of Traffic During Construction

The contractor shall carry out work creating least interference to the flow of traffic. The road work area will be made available to the contractor by the department. The contractor shall take prior approval of the Engineer regarding traffic arrangements during construction. For diversion of traffic, contractor also has to take necessary

approval from the City Traffic Police department. The contractor shall have to prepare a detailed traffic diversion plan as per the requirement of traffic authorities and get it approved from the traffic authorities. The contractor shall have to carry out the modifications in the traffic diversion at various stages of work as required. The contractor will have to maintain liaison with the City Traffic Police authorities so as to ensure smooth flow of traffic at all stages of the work without causing inconvenience to the traffic.

The contractor shall take necessary precautions for the safety of traffic during construction by providing, erecting and maintaining traffic barricading, fencing, signs, blinkers, flasher boards, rotors, directive boards, red flags etc. Necessary phased programme of construction, if required shall be drawn and got approved from the engineer. Following scheme is suggested.

The contractor may adopt a suitable scheme for construction which shall be got approved from the traffic Department, etc. The responsibility of obtaining the permissions for scheme to be adopted from concerned authorities e.g. traffic shall be that of the contractor.

6.50 Road Barricading

The contractor to provide the barricades, fencing erected on either side of the portion of carriageway closed to traffic and also to cordon off the working area shall be strong to resist vibration and painted with alternate black and white oil painted sufficient numbers of stripes, Blinkers or flashers either electrically operated or battery operated shall be provided on the barricades to have nighttime warning to the vehicle operators. The type of barricades and drawings, i.e. M.S. collapsible barricades, M.S. fencing, M.S. / G.I. pipe railing shall be as approved by the Engineer.

6.51 Traffic Signs of Boards

Traffic sings and traffic regulatory boards shall be reflectorised and shall be in accordance with IRC-67 The traffic cautionary and regulatory boards shall be prepared as per the approved drawings and as directed by the Engineer. These signs and boards shall be fixed in position at the places shown by engineer in cement concrete and shall be suitably braced. The traffic signs and boards shall be proposed on the basis of MOST clause No. 801 and in accordance with relevant IS & IRC codes. On each approach at least two signs and cautionary boards shall be fixed, One at close to the point where transition of carriageway begins and other at about 100 m away.

6.52 Road Delineators

Road Delineators as per IRC 79 and as per the relevant drawing and as directed by the Engineer shall be fixed at suitable intervals to have a suitable guidance to the road user at the night time to follow the passage. Delineators shall be fixed firmly in the ground. In addition to above, contractor shall provide red flags at suitable intervals on the barricades and also fix cat eyes along the barricading to have night time guidance. Contractor shall also make an alternative arrangement and providing red lanterns on the barricading in case of failure of electricity or failure of batteries provided to blinkers, flashers etc.

6.53 Maintenance of Traffic Safety and Control Devices

Traffic signs, cautionary and mandatory boards, blinkers, flashers, barricading, fencing, and retro reflectors shall be provided and maintained in satisfactory condition until completion of the work or as directed by the Engineer.

The Contractor shall have to do all excavation with great care by providing shoring and strutting wherever necessary. The excavated material shall not be dumped on the road surface. The contractor shall take all care to plan the stages of work in such a manner that the work shall be brought to safe level before onset of monsoon, so that the traffic will not be jeopardized during monsoon. The contractor shall immediately bring to the notice of the Engineer or his authorized agent at site, if any service line (eg. Telephone cables, electric cables, water supply pipe lines, sewerage lines etc.) is met with during the course of excavation.

The traffic could be plying through the stretch of road during the progress of construction. The suitable arrangement for diversion of traffic avoiding the use of area under construction shall be made by the contractor. The work will have to be phased accordingly by the contractor.

6.54 Avoidance of Damage to Roads

The Contractor shall use every reasonable means to prevent any of the roads or bridges communicating with or on the routes to the site from being damaged or injured by any traffic of the contractor or any of his subcontractors and in particular, shall select routes, choose and use vehicles and restrict and distribute loads so that any such extraordinary traffic as will inevitably arise from the moving of materials, plant, contractor's Equipment or Temporary works from and to the site shall be limited, as far as reasonably possible, and so that no unnecessary damage or injury may be occasioned to such roads and bridges.

It is necessary for the contractor to move one or more loads of heavy constructional plant and equipment, materials or pre constructed units or parts of units of work over roads, highways, bridges on which such oversized and overweight items are not normally allowed to be moved, the contractor shall obtain prior permission from the concerned authorities. Payment for complying with the requirements, if any, for protection of or strengthening of the roads, highways or bridges shall be made by the contractor and such expenses shall be deemed to be included in his tender rates, and/or contract price.

6.55 Transport of Materials or Plant

If, during the execution of the works or at any time thereafter, the concerned authorities make any claim in respect of damage or injury to roads, highways, or bridges arising out of transport of materials or plant to the contractor or corporation, then the contractor shall settle the claim forthwith. In case of failure of the contractor in settling the claim, and in case the corporation is held responsible for payment to the authorities, then the corporation shall settle the claim and the corporation's expenses in this regard, as certified by the Engineer, shall be deducted from the contractor's dues.

6.56 Services

Various utility service lines such as water supply, sewerage, electric cables, street light cables, traffic signal cables, gas, coaxial, petroleum pipes, water pipes, telephone etc. running parallel to the road or across the road either underground or overground may exist at the site of work. Arrangements for shifting of telephone lines, street light cables, electric supply lines which could be easily and conveniently rehabilitated before starting the work have been made. Some service lines will have to be shifted / rehabilitated during the progress of the work only. Taking these facts into account due care will have to be taken not to damage any service line in the process of excavation. If during the course of execution of the work, any such service lines is met with, then the contractor shall execute work as per the modified working system to avoid shifting of the utility or he shall shift the utility as directed by the Engineer.

The contractor should co-ordinate with concerned Authorities in consolation with the Engineer in case the existing utility service lines are required to be shifted.

6.57 Inspection By Statutory Authorities And Approvals / Permission Etc

The contractor shall also give facility to the authorised representative of statutory agencies to inspect the works whensoever required and shall observe and abide by any instructions given by the Engineer in regard to the use of plant, equipment and temporary works whether in respect of fire hazards or general safety and to any restrictions on smoking or the use of naked lights by persons employed by the contractor. Compliance of such requirements shall not be used as the basis of claim against corporation.

Before commencing the execution of work, the contractor shall obtain at his own cost all information required for obtaining statutory sanctions/ approvals / permissions etc. which has a bearing on the quoted rates vis-à- vis completion. Neither extension of time limit nor revision in rates shall be permissible for any delay on this account.

6.58 Works of Corporation & Others

The ordinary business and works of the corporation and others as carried out on/ in the vicinity of the site will be continued during the construction, completion and maintenance of the works and the contract shall be conducted in such a way so as to avoid interference with traffic of every kind and with any other works in progress in the vicinity.

6.59 Work to the Satisfaction of Engineer

The contractor shall execute and maintain the works in strict accordance with the provisions of the Contract, to the complete satisfaction of the Engineer. The Contractor shall comply with and strictly adhere to all instructions and directions issued by the Engineer on any matter connected with the works, whether explicitly stated in the contract or not.

All materials shall be tested in the site laboratory to the satisfaction of the Engineer. Tests which cannot be carried out in the site laboratory shall be conducted at approved institutions such as MERI–Nashik, Government Polytechnic, College of Engineering Pune, Quality Control Department of NMC, or any other laboratory approved by the Engineer-in-charge.

The testing of materials and works shall be carried out strictly in accordance with the frequency and standards specified in MoRTH Specifications, IRC Codes, IS Codes, and other relevant specifications. The Contractor shall also fully cooperate with inspections and testing to be undertaken by the Quality Control Department of NMC, Third Party Quality Check agencies, Third Party Quality Auditors, and/or Independent Testing Firms (ITF) as may be appointed by the Corporation, Kumbhmela Pradhikaran. Their directions, findings, and certifications shall be final and binding.

All facilities, arrangements, manpower, and samples required for testing shall be provided by the Contractor at his own risk and cost. The Contractor shall also bear the entire cost of such testing and quality checks unless otherwise specifically provided in Schedule–B.

6.60 Programme Of Works

a. PERT / CPM CHART

The contractor shall submit to the Engineer for his approval a programme in the form of detailed Bar/ CPM/ PERT chart inclusive of resources (materials, labours, equipments and machineries) showing the order and procedure in which he proposed to carry out the works. The contractor shall whenever required by the Engineer also provide in writing for his information a general description of the arrangements and methods which the contractor proposed to adopt for the execution of works. The periods of completion of various items shall tally with the periods indicated in the bar chart.

b. Revised Programme

i. If at any time it should appear to the Engineer that the actual progress of the works does not conform to the approved programme referred to in sub-clause (a) of this clause, the contractor shall produce, at the request of the Engineer, a revised programme showing the modifications to the approved programme necessary to ensure completion of the works within the stipulated time for completion of the works including programme for procurement of materials required at site for the work.

ii. The submission to and approval by the Engineer of such programmes or the furnishing of such particulars shall not relieve the contractor of any of his duties, responsibilities and all obligations under the contract.

iii. The contractor shall seek the Engineer's permission to do any work at night or on Sundays, such permission shall not be unreasonably refused.

c. Progress Report

The contractor shall submit to the Engineer on the first day of each week a progress report of the preceding week showing up-to-date progress during the previous period of all important items of each section or portion of the works.

6.61 Quality Assurance and Maintenance Manual

1) To ensure the specified quality of work which will also include necessary surveys, temporary work etc. the contractor shall engage a qualified and an experienced senior engineer with team of supporting Engineers on the work who shall prepare a quality assurance plan and get the same approved from the Engineer within one month, from the date of work order. For this, the contractor shall submit an organisation chart of his technical personnel to be employed on the work along with their qualifications, job descriptions defining the functions of reporting, supervising, inspecting and approving. The contractor shall also submit a list of tools, equipment and the machinery and instrumentation which he proposes to be used for the construction and for testing in the field and/or in the laboratory and monitoring. The contractor shall modify and supplement the organisation chart and the list of machinery, equipment etc. as per directions of the Executive Engineer and shall deploy the personnel and equipment on the field as per the approved chart and list respectively. The contractor shall submit written method statements detailing his exact proposals of execution of the work in accordance with the specification. He will have to get these approved from the Engineer. The quality of the work shall be properly documented through certificates, records, check-lists and log books of results etc. such records shall be compiled from the beginning of the work and be continuously updated and supplemented and this will be the responsibility of the contractor. The forms should be got approved from the concern Executive Engineer.

2) No equipment and personnel will be removed from the site without the permission of the Engineer – in – charge.

3) The contractor shall also prepare and submit a maintenance manual giving procedure for maintenance with the periodicity of maintenance works including inspection, tools and equipment to be used, means of accessibility for all parts of the structure etc. he shall also include in the manual, the specification for maintenance works. The maintenance work of road will be carried out in conformity with the mannual for maintenance of Roads" And ' Code of practice for maintenance for bituminous surfaces of highways, IRC 82 – 1982,and section 3000 of M.O.R.T & H specification. Any damage to the wearing coat will be repaired with the bituminous concrete layer and any pot holes to the road surface will be repaired with the bituminous macadam followed by bituminous concrete layer etc. Wherever the specification is not clear, good engineering practice shall be adopted in the maintenance of roads to the specification of the Engineer – in – charge. The contractor is fully responsible for there pairs and rectification to all those changes / defects of the road surface coursed during the defect liability period except damages caused by the works, prior permission of NMC. After repair of road surface above during defect liability period if aesthetics look of road surface gets disagree at it will be binding on contractor to relay wearing coat to full width so such an extend that over all look of road will be harmony & homogeneity look and required roughness index must be provided. In this regards the decision of City Engineer will be binding. This manual shall be submitted within the contract period.

6.62 Site Office for the Client and Engineer

The Contractor shall provide separate & independent site office of semi permanent type structure with attached toilet,with electric & water supply, etc.

6.63 Field Laboratory

The contractor shall provide and maintain adequately equipped as mentioned below field laboratory is required for site control on the quality of materials and the works. It shall have adequate area and shall be provided with amenities like water supply, electrical supply etc. The contractor shall engage a well experienced lab – in – charge (bio data to be approved by Engineer – in – charge for conducting day - to –day test as per MoRT & H. All the equipment should be calibrated to the latest date.

S.No.	Description	Unit	Specification	Qty
	Site Laboratory			
	A) General Equipment	Nos.		
1.	Balance ordinary, 10 kg with weights	Nos.		2
2.	Balance ordinary, 20 kg with weights	Nos.		2
3.	Electronic balance 5kg.	Nos.		1
4.	Thermometer (Dial Type)	Nos.		2
5.	Hot plate	Nos.		2
6	Glassware, spatulas, wire gauges, steel	Nos.		1

	scales, measuring tape etc.			
7	Set of IS sieve	Nos.		
7-a	GI sieve, 450 mm dia 125mm, 100mm, 90 mm, 80mm, 63mm, 53mm, 50mm, 45mm, 40 mm, 37.5mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 13.2 mm, 11.2mm. 9.50mm, 4.75mm, 4.25mm, 6.3 mm, 6mm, with lid and pan.	Nos.		1 set of 23 units
7-b	Brass sieves, 200 mm dia 2.8mm, 2.36mm, 1.18mm, 0.60mm, 0.30mm, 0.15mm, 0.075mm, 425 micron, 300 micron, 150 micron, 90 micron, 75 micron with lid and pan.	Nos.		1 set of 13 units
8	Dry bulk density test apparatus (sand pouring cylinder, tray, can etc)			
8-a.	Sand replacement method, 100mm, dia. Cylinder tray with hole & calibration equipment	Nos.		2
8-b.	Sand replacement method, 200mm, dia. Cylinder tray with hole & calibration equipment	Nos.		2
9	Speedy moisture meter	Nos.		2
10	Core cutter apparatus with doly & rammer	Nos.		1
11	Flakiness and elongation gauage	Nos.		1
12	Standard measures of 30, 15 and 3 liters	Nos.		1
13	Centrifuge type bitumen extractor hand operated complete with commercial benzene	Nos.		1
14	Field density basket with cutting tray, chisel,	Nos.		1

	hammer and standard sand.			
	for cement and cement concrete			
15	Slump testing apparatus	Nos.		3
16	Needle vibrator 40 mm & 60 mm	Nos.		1
17	Sieve shaker, electrically operated for 20cms & 45 cms sieves.	Nos.		1
18	Concrete cube moulds 150 x 150 x 150	Nos.		18
19	Compression Testing Machine, capacity 2000 KN	No	1	
20	Concrete Beam Moulds 500 x 100 x 100 and 700 x 150 x150	Nos.		18

Note: It shall be mandatory for the Contractor to obtain the Mix Design from an approved laboratory/engineering college, as approved by the Engineer-in-Charge of N.M.C. It shall further be mandatory for the Contractor to get the said Mix Design verified and approved by the Quality Control Department of N.M.C. prior to commencement of actual execution. The entire cost of obtaining and verifying the Mix Design shall be borne by the Contractor, unless a separate provision for such payment is specifically made in Schedule 'B.

6.64 Samples

The Contractor shall furnish to the Engineer, for approval, adequate samples of all materials proposed to be used in the work and shall permit such tests and examinations thereof as may be required. All materials used in the work shall strictly conform to the approved samples. The choice and approval of materials, as best suited for the work, shall rest with the Corporation unless otherwise specified. Further, whenever deemed necessary, the Contractor shall also obtain quarry approval from the Engineer-in-Charge of N.M.C., and no materials from any quarry shall be used without such approval. The entire cost of furnishing samples, conducting tests, and obtaining approvals, including quarry approval, shall be borne by the Contractor unless a separate provision for such payment is specifically made in Schedule 'B'.

6.65 Inspection and Testing of Materials

a) All Materials and workmanship shall be subject to such tests as are specified in the MORTH Specifications, relevant IRC Standards, or as the Engineer may direct. All materials, except those which must necessarily be tested at the works of the Contractor or manufacturers, shall be delivered to the site sufficiently in advance of their use to enable the Engineer to have such tests made as may be considered necessary.

b) The samples of cement, steel, bitumen, bituminous mixes, concrete cubes/ beams, paving blocks, kerb/median stones, R.C.C. pipes, aggregates, sand, road metal, precast water table stones, or any other material of each

consignment shall be got tested from a laboratory approved by the Engineer or from the Quality Control Department of N.M.C., as directed.

c) The frequency and type of tests on various materials and completed items shall be as per MORTH specifications. The sub-workwise testing requirements are detailed in the tender documents. The contractor shall furnish all information as to quality, weight, constituent substances, dimensions, levels, strength and description of the materials and works and give the Engineer such other particulars as may be required.

d) The Contractor shall give the Engineer written notice of the workshops, factories, or places where work is being or about to be prepared, or from which materials or manufactured articles are being or are to be supplied. The Contractor shall also keep the Engineer informed of the times when such materials will be ready for inspection so that such inspection may take place without delaying dispatch of the materials to the site. Such notices shall be given at such times as will permit inspection during all stages of manufacture, not merely upon completion of materials for dispatch.

e) The Engineer shall be entitled to attend all works of the manufacturers and subcontractors to test materials and workmanship. Every facility shall be provided by the Contractor for such inspections and tests. The Quality Control Department of N.M.C. may also carry out inspection and testing as deemed necessary.

f) All expenses towards such visits, inspections, and testing shall be borne by the Contractor, at his own cost, unless a separate provision for such payment is specifically made in Schedule–B.

6.66 Quality of Materials and Workmanship

i) The whole of materials and workmanship of the works shall be in accordance with the contract documents , conform to the dimensions specified or shown on the drawings, of best standard and quality of their respective kinds, passing all the specified tests and they shall at all times be subject to the approval of the Engineer who shall have the right to inspect, test and reject if necessary and order the removal, replacement and reconstruction of the materials and work at every stage of the progress of works.

ii) The Contractor shall guarantee the strength and quality of all materials and workmanship, and he shall not be relieved of his obligations with respect to the sufficiency of the materials or workmanship by reason of no objection having been thereto during the progress of the operation by the Engineer although the same may have been inspected by them in regular course.

6.67 Testing Charges

Testing of material procured by the Contractor shall be arranged by him at his own cost and at the required frequency as specified in the MORTH / IRC Specifications and as directed by the Engineer. Testing shall be carried out in the presence of the authorised representative of the Engineer at the field laboratory, at the nearest approved laboratory, or at the factory itself, wherever such testing facilities are available.

If additional testing, other than that prescribed in the specifications, is ordered, the testing charges shall be borne by the Corporation if the test results are found satisfactory, and by the Contractor if the test results are not satisfactory.

The Quality Control Department of N.M.C. shall have the authority to carry out or verify such tests as and when found necessary. All such testing, inspections, or verifications shall be at the cost of the Contractor, unless a separate provision for payment is specifically made in Schedule-B.

6.68 Cement Concrete

i) The contractor shall carry out all preliminary tests to work out grading and proportioning of aggregates in order to obtain and maintain uniform quality of work. The contractor shall supply all materials, labour and bear charges for preparing and testing samples as required by the Engineer, unless otherwise specified in the detailed item wise specifications. The minimum frequency of sampling of concrete of each grade shall be as per clause No. 1716 of MOST specifications for road & bridge works (4th revision, 2001) subject to a minimum of six test cubes per day of concrete. The contractor shall make field arrangements for silt content, moisture content, sieve analysis, slump test, density and bulkage testing and also prepare concrete cube 15cm x 15 cm x 15cm for testing compressive strength at his cost. The cubes shall be got tested at approved laboratory and the test result shall not fall below those prescribed in the relevant codes or as laid done in the specification. The cost of cubes and testing charges shall be entirely borne by the contractor.

ii) For controlled concrete work tests shall be taken accordance with relevant code specifications.

iii) The concrete shall be mechanically vibrated for proper compaction by the method approved by the Engineer. The precast kerb/ median stones should be manufactured by mechanically vibrated plat form to receive the finish as good as factory finish.

iv) The concrete shall be cured only by fresh potable water upto the minimum period specified in the relevant code, after the time of its placement or as may be directed by the Engineer.

v) Only fresh potable water duly tested shall be used for concrete works.

vi) The contractor shall carry out all preliminary tests to work out grading and proportioning of aggregates in order to obtain and maintain uniform quality of work. The contractor shall supply all materials, labour and bear charges for preparing and testing samples as required by the Engineer, unless otherwise specified in the detailed item wise specifications. The minimum frequency of sampling of concrete of each grade shall be as per MOST specifications for road & bridge works. The contractor shall make field arrangements for silt content, moisture content, sieve analysis, slump test, density and bulkage testing and also prepare concrete cube/ beam for testing compressive/ flexural strength at his cost. The cubes/ beams shall be got tested at approved laboratory and the test result shall not fall below those prescribed in the relevant codes or as laid down in the specification. The cost of cubes and testing charges shall be entirely borne by the contractor.

vii) For DLC/PCC/PQC controlled concrete work tests shall be taken in accordance with relevant code specifications.

viii) The concrete shall be mechanically vibrated for proper compaction by the method approved by the Engineer. The precast kerb/ median stones should be manufactured by mechanically vibrated plat form to receive the finish as good as factory finish.

ix) The concrete shall be cured only by fresh potable water upto the minimum period specified in the relevant code, after the time of its placement or as may be directed by the Engineer.

x) Only fresh potable water duly tested shall be used for concrete works.

6.69 Mix Design

Contractor shall have to submit for all concrete mixes having a strength of M–20 (200 kg/cm²) and above. Every mix design shall be repeated twice during each working season, or as directed by the Engineer.

The mix design shall be carried out through an approved laboratory / engineering college / testing institute, and the same shall be checked and approved by the Quality Control Department of N.M.C. before commencement of actual execution. The entire cost of preparing, testing, checking, and obtaining approval of mix designs shall be borne by the Contractor, unless a separate provision for such payment is specifically made in Schedule-B.

a. MINIMUM CEMENT CONSUMPTION:

Minimum cement consumption per cubic meter of concrete for the different grades of concrete shall be as follows

Grade	C.C.
M-10	220
M-15	305
M-20	360
M-25	425
M-30	460
M-35	475
M-40	490
M-45	510

b. The contractor shall carry out all preliminary tests to work out grading and proportioning of aggregates in order to obtain and maintain uniform quality of work. The contractor shall supply all materials, labour and bear charges for preparing and testing samples as required by the Engineer, unless otherwise specified in the detailed itemwise specifications. The minimum frequency of sampling of concrete of each grade shall be as per MORT & H specifications for road & bridge works. The contractor shall make field arrangements for silt content, moisture content, sieve analysis, slump test, density and bulkage testing and also prepare concrete cube/ beam for testing compressive/ flexural strength at his cost. The cubes/ beams shall be got tested at approved laboratory and the test result shall not fall below those prescribed in the relevant codes or as laid down in the specification. The cost of cubes and testing charges shall be entirely borne by the contractor.

For DLC/PCC/PQC controlled concrete work tests shall be taken in accordance with relevant code specifications.

The concrete shall be mechanically vibrated for proper compaction by the method approved by the Engineer. The precast kerb/ median stones should be manufactured by mechanically vibrated plat form to receive the finish as good as factory finish.

The concrete shall be cured only by fresh potable water upto the minimum period specified in the relevant code, after the time of its placement or as may be directed by the Engineer.

Only fresh potable water duly tested shall be used for concrete works.

c. FORM WORK

The formwork used shall be made by steel/ marine plywood properly stiffened such as DOKA /PERI Type.

6.70 Bituminous Works

The contractor should strictly follow the following conditions :

a) Materials

i) The contractor shall make his own arrangement for supply of materials including bitumen VG10, VG30, VG 40, Emulsion and RCC pipes, collars. The contractor shall be responsible for all transportation and storage of the materials at site and shall bear all the related costs. The Engineer shall be entitled at any time to inspect or examine all such materials. The contractor shall provide reasonable assistance for such inspection or examination as may be required.

ii) The contractor shall keep an accurate record of use of materials like bitumen VG10, VG30, VG 40, emulsion, cement, steel and the other required material used in the works in a manner prescribed by the Engineer as per IRC, MORT & H specifications and relevant IS code.

iii) After receiving the bitumen, the authorized challan / gate pass should be obtained from the refinery mentioning the quantity of bitumen, grade of bitumen, date and time of delivery etc. and its should be handed over to Department for each consignment.

iv) Bitumen of required category shall be procured only from Hindustan Petroleum corporation Ltd., (HPCL), Bharat Petroleum corporation Ltd. (BPCL) and Indian Oil Corporation Ltd. (IOC) refinery only.

v) If there is any doubt regarding the materials received the same should be got tested from the Govt. laboratory at the cost of the contractor and if the results are sub standard, the materials or the work executed with such materials will be rejected.

vi) The day – to – day record of the receipt / utility / balance of materials should be kept by the contractor at plant site / site of work / store and the same will be checked by the Engineer – in – charge or authorized Engineer at any time.

vii) The minimum frequency of sampling and testing of bituminous work of each type shall be as per section 900 of MORT & H specifications for road. The testing charges shall be borne by the contractor.

viii) The contractor shall obtain prior approval of all materials from the Engineer-in-Charge and shall use such materials only after satisfactory Job Mix Formula (JMF) results have been obtained. For preparation of the job mix, representative samples shall be collected through an approved sampling system. The samples for job mix shall be taken directly from the bins of the batch mix plant by operating the plant without addition of asphalt, so as to ensure accurate and uncontaminated material representation.

ix) The source of aggregates shall be approved by the Engineer-in-Charge prior to use. In the event of any variation in the required properties of aggregates, the contractor shall immediately notify the Engineer-in-Charge and obtain approval for an alternate source. Aggregates shall be tested on a daily basis for water absorption and other specified properties to ensure compliance with the required standards.

b) Plant and Machinery

All the bituminous work shall be carried out with the help of following machineries

i) Asphalt Batch mix plant:

Considering the upcoming Kumbhmela in Nashik, the balance period for completion of work and considering the importance and emergency nature of work

A) It is compulsory to have, Asphalt Batch mix Plant having minimum Capacity of 80 TPH with SCADA.

B) Tenderer/Bidder must submit Distance Certificate of batch mix plant from Executive Engineer, Quality Control Department, Nashik Municipal Corporation, certifying that their plant is situated within 30 km from Rajiv Gandhi Bhavan, within 45 days after issue of LOA.

C) In the event of failure to produce the distance certificate, the EMD will be forfeited and action deemed fit will by the appropriate authority and the work be allotted to subsequent L2, L3, L4, - - - bidders, if he is ready with the L1 bidder's offer. In the event if none of the subsequent bidders are ready to negotiate at L1 bidder's offer then the tender will be recalled.

ii) Mechanical Sprayer: Truck mounted or towed type bituminous pressure sprayer of minimum 3 M.T. capacity with SCADA.

iii) Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled): The Electronic Sensor Paver Finisher shall be equipped with an electronic sensing device and shall conform to Clause 504.3.5 of the MORTH Standard Specifications. The machine shall have a screed of minimum 9.00 metres width and shall be capable of laying bituminous layers with a minimum lift thickness of 75 mm, should be used.

iv) Vibratory Tandem Roller: of 8 to 10 tonne static weight with amplitude and frequency of vibration desired for bituminous & other work.

v) Pneumatic Tyred roller (PTR) – (For bituminous work only) operating wight not less than 8 ton, minimum 8 tyres with self-inflating system

vi) W.M.M. Mixing plant (Pug Mill) – 200 Ton per hrs.

vii) W.M.M. Paver – hydraulic screed with 4.5 Mtr. wide & 250 mm lift.

viii) Motor Grader – Engine output above 150 kw.

ix) Truck and Tipper- The material carring vehical (trucks, tippers) with min 10 MT capacity with SCADA enabled.

x) Mechanical broomer, air jet pressure compressure, asphalt saw cutting machine shall be used.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

All equipments provided should be of proven efficiency and shall be operated and maintained at all times in a manner acceptable to the engineer.

CEMENT CONCRETE ROAD WORKS

The contractor shall strictly follow the following conditions while executing Cement Concrete (CC) road works including PCC/ Dry Lean Concrete (DLC) and Pavement Quality Concrete (PQC):

A) Materials

1. All materials including cement, aggregates, admixtures, dowel bars, tie bars, curing compound, sealing compound etc. shall be procured by the contractor at his own cost.

2. Only Ready Mix Concrete (RMC) from an approved batching plant shall be used. The plant must be SCADA enabled with valid calibration certificates.

3. Job Mix Formula for PCC, DLC and PQC shall be submitted to the Engineer-in-Charge and for approval before commencement.

4. Aggregates shall conform to IS:383 and cement to IS:269/1489. Dowel and tie bars shall conform to IS:1786.

B) Method of Construction

i) Sub-base, PCC / DLC (Dry Lean Concrete)

• Preparation of Subgrade/Sub-base: The existing ground shall be prepared, compacted and tested as per MoRTH Section 300.

• Mix Design: DLC shall be designed as per IS:10262 with cement content not less than as mentioned above. Water-cement ratio shall not exceed 0.75. The use of fly ash, slag, or any pozzolanic material in the DLC mix is strictly prohibited.

• Placing: DLC shall be laid with a paver in one layer of thickness.

• Compaction: Compaction shall be done by vibratory rollers to achieve minimum dry density 97% of MDD.

• Curing: Moist curing shall be carried out for minimum 7 days before placing PQC.

ii) PQC (Pavement Quality Concrete)

• Mix Design: PQC shall be designed for the specified grade of concrete in accordance with IS:10262, IRC:44 and IRC:15 / IRC: SP-62 guidelines. The mix shall be prepared using only Ordinary Portland Cement (OPC) of approved grade. The use of fly ash, ground granulated blast furnace slag (GGBS), or any other pozzolanic/admixture-based replacement of cement is strictly prohibited, unless specifically approved by the Engineer-in-Charge.

• Placing: PQC shall be placed using a paver with electronic sensors. Concrete shall be placed continuously to avoid cold joints.

- Jointing: Dowel bars shall be provided at transverse joints with debonding sleeves.

- Tie bars shall be provided at longitudinal joints.

- Joints shall be cut (groove cutting) within 12–24 hrs using joint cutting machines to the required depth.

- Joints shall be sealed with approved joint sealing compound.

- Finishing: Surface finishing shall be done with longitudinal tinning / brooming to achieve skid resistance.

- Curing: Immediately after finishing, a white pigmented curing compound shall be sprayed uniformly, followed by moist curing.

C) Riding Quality special attention:

-The contractor shall be solely responsible for achieving and maintaining the required riding quality of the cement concrete pavement. Adequate precautions shall be taken during mix design, batching, paving, compaction, joint cutting, curing and finishing so as to ensure a smooth, even and durable surface. The use of paver with electronic sensors shall be mandatory to achieve the specified line, level and surface regularity. Throughout execution, surface finish shall be continuously checked with a 3.0 m straight edge to avoid undulations or roughness perceptible to traffic movement. In the event of unsatisfactory results, the contractor shall, at his own cost, take corrective measures such as grinding, surface treatment, or replacement of defective panels, until the required riding quality is attained.

- If, despite such measures, the riding quality remains below specification, payment for the affected work shall be withheld or made at a reduced rate as determined by the Engineer-in-Charge, and the contractor shall have no claim for compensation. Persistent failure to achieve the required standard shall render the contractor liable for demolition and reconstruction of the defective work at his own cost, without any additional time extension or financial liability on the part of the Department.

D) Crack Prevention and Remedies

- The contractor shall be solely responsible for adopting adequate precautions to prevent shrinkage, thermal, or structural cracks in the cement concrete pavement. Preventive measures shall include proper mix design as per IS 10262, uninterrupted concreting, timely groove cutting and joint formation as per IRC:15 and IRC: SP-62, proper sealing of joints, and effective curing in accordance with IS 456.

- In the event that cracks, or surface defects occur, the contractor shall, at his own cost and risk, undertake remedial measures such as epoxy injection, sealing, surface grinding, or any other method as directed by the Engineer-in-Charge. If such cracks or defects are of severity that renders the pavement substandard, the affected panels shall be demolished and reconstructed strictly in accordance with IS and IRC specifications, entirely at the contractor's cost.

- Payment for defective or cracked work shall either be withheld, made at a reduced rate, or fully disallowed as determined by the Engineer-in-Charge, in consultation with the Third-Party Quality Control (TPQC) agency, the Independent Testing Firm (ITF) appointed by the Kumbhmela Pradhikaran, and the Executive Engineer, Quality

Control Department, Nashik Municipal Corporation. No claims or compensation shall be entertained for such defects, and the entire liability for performance, serviceability, and durability shall rest solely with the contractor.

6.71 Subletting of Works

The Contractor shall not assign, transfer, or sublet the whole or any portion of the works under this contract to any Subcontractor, firm, or individual. Engagement of subcontractors of any kind shall be strictly prohibited.

6.72 Roll of P.M.C. / Consultants / Third party

i) Project Management Consultants, Third Party Inspection & Audit

NMC may, at its sole discretion, appoint Project Management Consultants (PMC) to assist NMC Engineers in all matters pertaining to this project, including but not limited to tender evaluation, supervision of works, quality control, quantity measurement, verification of records, and certification of bills during the entire execution period.

ii) NMC may also, at any stage, engage independent experts, Third Party Inspection (TPI) agencies, Third Party Technical Auditors (TPA), Independent Testing Firms (ITF), or any other agency as directed by the Kumbhmela Pradhikaran for scrutiny, inspection, supervision, or quality/technical audit of the works.

iii) All decisions, remarks, observations, and directions issued by such PMC/experts/TPI/TPA/ITF or other agencies shall be binding upon the Contractor, who shall be fully responsible for compliance without delay or dispute.

iv) The intermediate payments and final bill of the work shall be routed through the PMC/Consultant for verification and approval, and payments will only be released after such approvals are obtained.

v) The cost of PMC shall be borne by Nashik Municipal Corporation. However, all expenses related to TPI, TPA, ITF, third-party testing, or quality audits shall be borne entirely by the Contractor and deemed to be included in the quoted rates. No separate claim on this account shall be entertained.

vi) If the Contractor fails to carry out the prescribed third-party inspections, tests, or audits within the stipulated time, NMC shall have the right to get the same conducted at the Contractor's risk and cost. The actual expenses incurred shall be recovered from the Contractor's running or final bills without any objection or dispute.

vii) The Programme for inspection for inspection and testing shall be fixed by mutual discussions between contractor and testing agency well in advance and shall be intimated to Engineer – in – charge.

7 General Conditions

7.1 Insurance Policy

Contractor shall take out necessary insurance policy / policies so as to provide adequate insurance cover for execution of the awarded contract work from the "Director of Insurance, Maharashtra State, Mumbai" only. (Its address is '264, MHADA, First Floor, opp. Kalanagar, Bandra (East), Mumbai 400 051. Insurance policy / policies taken out from any other company shall not be accepted. However if the contractor desires to effect insurance with any of the local offices of any insurance company, it should be under the co-insurance-cum-servicing agreement approved by the Directorate of Insurance. If the policy taken out by the contractor is not on the co-insurance basis, i.e. G. I. F. 60% and Insurance Company 40%, the same will not be accepted and the amount of premium calculated by the Directorate of Insurance shall be recovered directly from the amount payable to the contractor for executed contract work.

7.2 Additional general specifications for ordinary High Grade and Prestressed Concrete

a) The work included in this contract shall be carried out in addition to the specification detailed therein, in accordance with the specification, rates and regulation as laid down in the latest revisions of following standard specification.

IS: 269 –1958 Specification for ordinary, rapid hardening & low heat Portland cements

IS: 383 -1963 Specification for coarse and fine aggregates from natural sources for concrete.

IS: 432-1990 - Specification for mild steel and high tensile bars and hard drawn steel wire for concrete reinforcement.

IS: 456-1978 - Code of practice for plain and reinforced concrete for general building construction (Revised).

IS: 1343 -1960 Code of practice for pre-stressed concrete for

Indian Standard record in the above Indian Standards.

If the standard specifications quoted above fall short for the item quoted in the schedules of this contract, references shall be made to the latest British Standard Specifications, if any. If the items of this contract do no fall in reference quoted above, the decision and specifications as directed by the Engineer shall be final.

b) The Contractor shall establish a field laboratory to carry out all preliminary tests to work out grading and proportioning of aggregates in order to obtain and maintain uniform quality of work. The Contractor shall supply all materials, labour and testing machine for preparing and testing samples as required by the Engineer. Unless otherwise specified in the detailed item- wise specifications. Number of cubes to the taken and tested shall be as per IRC : 21-2000, Code of Practice for Road Bridges, Section III, for R.C.C. and IRC : 18-2000, Design Criteria for Pre-stressed Concrete, for P.S.C. work.

Note: These are to apply as additional instructions and conditions, unless otherwise already provided for contract else where in this contract.

Signature of Contractor

7.3 Definitions

Definitions: Unless excluded by or repugnant to the context.

i. The expression **Corporation** as used in the tender papers shall mean the Nashik Municipal Corporation.
ii. The **Commissioner** means the Commissioner of NMC
iii. The expression **Engineer or Engineer-in-Charge** as used in the tender papers shall mean the Corporation's authorized "Engineer-in-Charge" of the work for the time being.
iv. The expression **Contractor** as used in the tender papers shall mean the successful tenderer whose tender has been accepted and who has been authorized to proceed with the work.
v. The term **Contract** as used in the tender papers shall mean the deed of contract together with its original accompaniments and those later incorporated in it by mutual consent.
vi. Expression **Plant** as used in the tender papers shall mean, every temporary and accessory means necessary or considered necessary by the Engineer to execute, construct, complete and maintain the works and used in altered, modified, substituted and additional work ordered in the time and the manner herein provided and all temporary materials and special and other articles, appliance of every sort, kind and description whatsoever intended or used therefore.
vii. **Drawing** shall mean the drawings referred to in the specifications and any modifications of such drawings approved in writing by Engineer and such other drawings as may from time to time furnished or approved in writing by the Engineer.
viii. **Engineer's Representative** shall mean an assistant of the Engineer notified in writing to the Contractor by the Engineer.
ix. **Provisional Sum or Provisional Lump-Sum** shall mean a lump sum included by the Corporation in the Tender documents and shall represent the estimated value of work for which details are not available at the time of issue of tender.
x. **Provisional Items** shall mean items of which approximate quantities have been included in the tender documents.

7.4 General conditions and specifications to be observed by the Contractor

1. The Contractor should quote his lump sum cost inclusive of all leads, taxes, royalties, town duties etc.

2. The Contractor will make his own arrangements for quarries of rubble stone, murum, sand lime etc.

3. De-watering of foundations during excavation and construction of foundation masonry, or required shall be made by the Contractor without claiming extra cost.

4) The contractor will abide by the (P. W. & H.) Department Contractor Labour Regulation.

5) The Contractor shall be required to pay compensation for any loss of physical damage received by a labour disabling him permanently as per Workman's Compensation Act.

Nashik Municipal Corporation

Schedule 'A'

Name of work :

Sr.No.	Particular	Quantity	Rate	Unit	Amount
		NIL			

Note : The person or firm submitting tender should see that the rates in the above schedule are filled up by Corporation Engineer, on the issue of the form prior to the submission of the tender.

1) All materials in Schedule 'A' as may be required for the work shall be taken from the Department only. Outside materials in lieu of those mentioned in schedule 'A' shall not be allowed partially or full prior to approval of the Corporation Engineer.

2) The contractor shall have to construct a shed for storing controlled and valuable materials issued to him, under schedule 'A' of agreement on work site having double locking arrangement. The material will be taken for the use in presence of Department persons. No material will be allowed to be removed from the site of the work.

3) Unused controlled material shall be returned by the contractor on completion of work subject to prior approval of the corporation Engineer in items of clause No. 2 of the agreement. In case of failure to do so the contractor shall pay cost of unused controlled materials at double rates at which these materials were issued to him. And the contractor shall be liable to pay sales and general tax as applicable on the value of such surplus materials to this corporation.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

4) All materials will be available for the delivery during hours to be arranged mutually by contractor between himself and the store keeper or the corporation's Engineer from time to time.

5) The contractor must give an account of all materials used by him. The materials that cannot be accounted for will be recovered from him as per rates decided by competent authority.

6) The quantities noted in Schedule 'A' are only approximate and may vary accordingly to actual and bonafide use.

7) The contractor shall furnish account of material issued and consumed by replacing further demands from the corporation and furnish full account of materials issued to him. On completion of the work he shall return all surplus materials to the corporation. In case of failure of returning recovery at the rate of twice the rate will be effected from the contractor.

8) Sales Tax and general Tax as per Government rates shall be recovered from the contractor over the cost of the surplus materials unreturned.

9) Issue rate of the material are inclusive of sales tax and general tax.

Signature of Contractor

SCHEDULE ' B'

Memorandum showing items of work to be carried out

Item No.	Quantities estimated but may be more or less	Item of work	Estimated rates		Unit	Total amount according quantities
			In figures	In words		
		SEPARATELY ATTACHED				

Note 1 : All work shall be carried out as per Maharashtra Public Works Department Hand Book and other specifications as directed.

Note 2 : All the columns in the schedule be filled in ink and the total of the entries in the last column should be struck by the contractor under his signature.

Note 3 : Rates quoted included clearance of site (prior to commencement of work and at its close) in all respects and hold good for work under all conditions, site moisture weather etc.

Note 4 : To be continued on additional sheets if found necessary.

Signature of Contractor

Executive Engineer, Nashik Municipal Corporation

ADDITIONAL SPECIAL SPECIFICATIONS

In addition to the detailed specifications, following general specifications are also applicable wherever required without giving additional payment.

1) The sand to be used on the work shall necessarily be free of silt (washed if required) and stored on platform before using in the work.

2) The platform for mixing of mortar shall be non-absorbing and shall be covered with a shed.

3) All metal aggregates shall be wetted before using in concrete.

4) Vertical pin headers should be provided for RCC walls thicker than '60' cm.

5) The basic drawing shows general arrangements and layout. For specifications and requirements of item tender paper may be referred to.

6) The pointing should not be spread on the large area of the stones, but should be cut to the specified thickness of the joints.

7) The measurements and quantities shown on the General Arrangement Plan and given in the estimate are approximate and are likely to vary during the execution for various reasons as below :

a) The dimensions (length & breadth) may vary as per requirement or as directed.

b) The average depth is calculated by taking few levels of the existing ground. However before execution levels shall be taken at closer intervals whereby the depth is least likely to vary.

c) The classification of the strata and the depths of foundations have been ascertained by taking trial pits. However the same are likely to vary.

d) To achieve suitable strata, the depths of concrete, masonry items and other items are likely to vary.

e) Due to change in design and drawing in the sanctioned Plans and estimates the quantities are likely to vary.

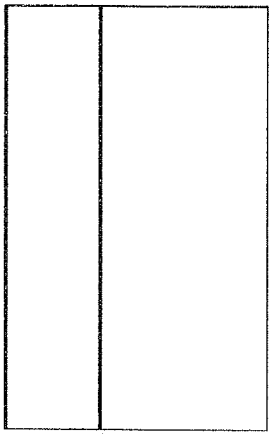
f) In view of the above facts or due to any other reason or reasons coming to notice during the execution, the quantity of the tender items are likely to increase, decrease for which no extra claims shall be entertained on any account.

8) The basic drawing shows general arrangements and layout for specifications and requirements of item tender paper may be referred to

7.4.1 Statement showing the availability of Machinery for the work

Sr. No.	Name of Machinery	Hire Rate	Remarks
	NIL		

SCHEDULE – B



I am / we are ready to execute the work ..... % (.....
.....percent) above / below the estimated rates entered in Schedule 'B'

(The offer quoted in percentage excludes item of Royalty charges)

Contractors Seal

Signature of Contractor

8 Annexure

Annexure-I

Affidavit

(On Rs. 500/-)

Name of Work:

I _____ age _____ Address _____ (Authorized signatory to sign the contract), hereby submit, vide this affidavit in truth, that I am the owner of the contracting firm _____ / authorized signatory and I am submitting the document in envelope no. 1 for the purpose of scrutiny of the contract. I hereby agree to the condition mentioned below: -

1. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope no. 1.

2. I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, submitting company or any by myself, I will be liable for action under Indian Penal Code.

3. I am liable for action under Indian Penal Code if any paper are found false / fraudulent during contract period and even after the completion of contract (Finalization of Final bill).

(Signature of Contractor)

(Seal of Company)

Signature of Contractor

ANNEXURE-II

STATEMENT SHOWING QUANTITIES OF WORK EXECUTED IN ANY ONE YEAR DURING LAST SEVEN YEARS (i.e. 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21)

Sr. No.	Name of Work	Year	Work Done Certificate No. & Date	Quantity of work Performed					Remarks (Indicate contract Reference)
1	2	3	4	5	6	7	8		9
		2014-15							
		2015-16							
		2016-17		Sample Form					
		2017-18							
		2018-19							
		2019-20							
		2020-21							

Note - The Contractor must upload supporting documents showing above executed quantities.

Signature of Contractor

SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES

BANK CERTIFICATE

This is to certify that M/s. _____ is a reputed company with a good financial standing.

If the contract for the work, namely _____ is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs _____ to meet their working capital requirements for executing the above contact during the contract period.

_____ (Signature)

Name of Bank

Senior Bank Manager

Address of the Bank

(Not required for works costing less than Rs. 5 Crores)

Signature of Contractor

Nashik Municipal Corporation

AFFIDAVIT

1) I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

2) The undersigned also hereby certifies that neither our firm M/s---------- have abandoned any work on Building/Bridges/Roads etc. nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.

3) The undersigned hereby authorize (s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

4) The undersigned understand and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department, Project implementing agency.

(Signed by an Authorised Officer of the Firm)

---------- Title of Officer

Name of Firm

DATE

Signature of Contractor

Nashik Municipal Corporation

UNDERTAKING

Name of Work:.

1. I, the undersigned do hereby undertake that our firm M/s. _____ _____ agree to abide by our offer which is valid for one hundred and twenty (120) days from the date of submission of tender or till we withdraw the offer in writing after 120 days of submission of tender.

_____

(Signed by an Authorized Officer of the Firm)

_____

Title of Officer

_____

Name of Firm

_____

DATE

Signature of Contractor

Nashik Municipal Corporation

PERFORMANCE BANK GUARANTEE

To,

_____ [Name of Employer]

_____ [Address of Employer]

WHEREAS, _____ [Name and Address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____, to execute the work of _____ [Name of Contract and brief description of Works] (hereinafter called "the Contract").

AND WHEREAS, we _____ [Name and Address of Bank] have agreed to furnish a Performance Bank Guarantee in favour of the Employer.

NOW THEREFORE, we hereby irrevocably affirm and undertake that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total sum of _____ [Amount of Guarantee in figures and words], such sum being payable in the currency(ies) in which the Contract Price is payable.

We further undertake to pay you, upon your first written demand and without demur, reservation, contest, recourse, or protest, and without reference to the Contractor, any sum or sums within the limits of _____ [Amount of Guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby expressly waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change, addition, or modification of the terms of the Contract, or of the Works to be performed thereunder, or of any of the Contract documents, which may be made between you and the Contractor, shall in any way release us from any liability under this Guarantee,

and we hereby expressly waive notice of any such change, addition, or modification.

This Guarantee shall remain valid up to 28 (twenty-eight) days beyond the expiry of the Defect Liability Period stipulated under the Contract.

IN WITNESS WHEREOF, this Guarantee has been executed on this ____ day of _____, 20.

Signature and Seal of the Guarantor: _____

Name of Bank: _____

Address: _____

Date: _____

Note: The Guarantee amount shall represent the percentage of the Contract Price specified in the Contract (including any additional security for unbalanced bids, if applicable), and shall be denominated in Indian Rupees

Signature of Contractor

Name of Work:

DECLARATION

I/We hereby declare that I/We have thoroughly acquainted myself/ourselves with the local conditions relating to availability of materials, labour, and all other factors on which I/We have based the rates quoted in this tender. I/We have carefully studied and understood the specifications, drawings, and lead statements pertaining to this work before submitting the tender.

I/We further undertake to use only the best quality materials, duly approved by the Engineer-in-Charge or his authorised representative, during the execution of the work, and to abide by their decisions and directions in all respects.

I/We also agree and confirm that no claim whatsoever shall be made by me/us at any later stage on account of lack of knowledge of site conditions, specifications, or any other circumstances affecting the execution of the work.

Place: _____

Date: _____

Signature of the Tenderer/Authorized Signatory

(With Seal/Stamp)

Name: _____

Designation: _____

Address: _____

Signature of Contractor

9 Proforma of submission of tender & proforma for agreeing to G.C.C

PROFORMA OF SUBMISSION OF TENDER

Ref No. Dated :

The Commissioner,

Nashik Municipal Corporation, Rajiv Gandhi Bhavan, Sharanpur Road,

Nashik

Sub : (Name of work.)

Dear Sir,

1. Having obtained tender documents for the work under reference and having examined specifications and conditions of contract, we hereby offer to perform, provide, execute, complete the work in conformity with the Tender notice, instructions to the tenderer, General Conditions of Contract, Special Conditions of contract, Technical Specifications, drawings, CSD and the price-bid/ amount as quoted in the tender documents, within the stipulated time.
2. We have satisfied ourselves as to the location of the site and working conditions examined the requirements of NMC and have obtained all the information necessary for the successful timely completion of the work.
3. We also agree to submit a detailed work programme to complete the work in stipulated period.
4. We have deposited earnest money deposit with you, which shall not to bear any interest. We hereby agree that this amount shall stand forfeited in the event of our tender being acceptance and our failure t to execute the contract when called upon to do so within stipulated time. During the validity period of offer, if we withdraw or modify our offer, then Corporation (NMC) would be at liberty to forfeit Earnest Money deposited by us. We also hereby agree to treat the sum as a part of security deposit on our signing the contract.
5. We understand you are not bound to accept the lowest tender nor are you required to assign any reasons for rejection of our tender. We understand that our offer is valid for one hundred and twenty (120) days from the date of submission of tender or till we withdraw the offer in writing after 120 days of submission of tender.

Thanking you,

Yours faithfully

Date : ----------

Signature of Tenderer With seal and address

Signature of Contractor

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दि. 7

दि. /१०/२०२५

मा.सादर

विषय- सिंहस्थ कुंभमेळा-२०२७ चे अनुषंगाने निविदा सुचना क्र.३ मधील १८ कामांचे Common Set of Deviation प्रसिध्द करणे बाबत.

सिंहस्थ कुंभमेळा-२०२७ चे अनुषंगाने नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे दि.१४/९/२०२५ एकूण २१ कामंना प्रशासकीय मंजुरी प्राप्त झाली असून त्यापैकी १८ कामांच्या निविदा प्रसिध्द सुचना क्र.३ (२०२५-२६) अन्वये प्रसिध्द करणेत आल्या आहेत. त्याअनुषंगाने दि.२६/०९/२०२५ रोजी ऑन लाईन पध्दतीने निविदा पुर्व बैठक आयोजित करणेत आली होती. सदर बैठकीच्या अनुषंगाने प्राप्त हरकती / सुचना यास अनुसरून परिशिष्ट-अ तयार करण्यात आले असून त्यामध्ये सर्व हरकती / सुचना व त्यावर नाशिक महानगरपालिकेचा खुलासा तयार केलेला आहे. त्यास मान्यता मिळणेस विनंती.

उपरोक्त खुलासा मान्य झाल्सास त्यास अनुसरून प्रसिध्द करावयाच्या CSD (Commons Set of Deviation) सोबत परिशिष्ट-ब जोडले आहे. त्याचे अवलोकन होऊन त्यास मान्यतेस्तव व संकेतस्थळावर प्रसिध्द करणेच्या कार्यवाहीस्तव सादर.

कार्यकारी अभियंता (बांध)

मा.शहर अभियंता सो.

मा. अति. आयुक्त सो

मा. आयुक्त सो

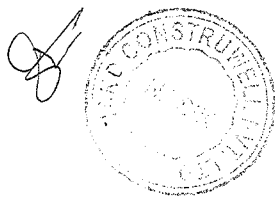
मा. कार्यकारी संचालक सिंहस्थ कक्ष : "अ" प्रमाणे कार्यवाही करण्यात यावी अशी

कार्यकारी अभियंता (बांधकाम)

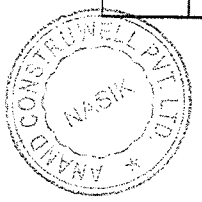
परिशिष्ट-अ				
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
1	B.T. Kadlag Construction Pvt. Ltd.	As per Tender Document Submission date is 10/10/2025 Up to15.00 hrs.	Extend the tender submission time upto 5.00 Pm Because Bank transaction time is upto 4.00 Pm. So, Consider it.	Refer CSD
		As per Tender Document 1.1 Eligibility Criteria 1) Asphalt Batch Mix Plant & Concrete Batch Mix Plant distance within 30 km from the Nashik Municipal headquarters. 2) Both plants arrange shift and install after 45 days from the date of LOA.	1. It is our earnest request to Consider the Asphalt Batch Mix Plant and Concrete Batch Mix Plants which are ready in existence within 30 kms from the Nashik Municipal headquarters. 2. The arrangement shifting and installation both plants after 45 days of LOA clause should deleted.	As per NIT
		As per Tender Document 1.1 Eligibility Criteria Sr. no. 2 Hydraulic Paver Finisher 9m Width	Paver of width 5.5m should be considering for 80 TPH plant as given by you. Paver of 9m is used for plant of 120-160 TPH. So please allow Sensor Paver width is 5.5m. For bitumen work and also allow 9m width Sensor Paver is hired agreement.	Refer CSD
		As per Tender Document 1.1 Eligibility Criteria 2 for Asphalt Work required machinery Sr. no. 5 Static Roller/Smooth Wheeled Roller - 2 Nos.	Pleased consider Vibratory Compactor Roller instead of static roller for better sub grade Bitumen compaction.	As per NIT
		As per Tender Document 1.3 Eligibility criteria financial turnover and bid capacity calculation applied base year FY-2024-25.	Please Consider financial year 2023-24 for calculating turnover and bid capacity and other related calculations because financial reports and audit reports not yet submitted to IT department it is work in progress date of final IT Return Submission date upto 31stOct. 2025. If it is mandatory to calculate every thing on the basis of FY 2024-25 then our Un-Audited Balance sheet should be considered.	Refer CSD
		As per Tender Document 2) Important condition of contract) Point D - Availability of funds & E- Continue work in any condition.	If the payment is irregular, then please consider the Star Rate because there is a variation of bitumen price in every 15 days. Consider Escalation as per PWD Department. PRICE VARIATION CLAUSE-If during the operative Period of the Contract as defined in condition below, there shall be any variation in the Consumer Price Index (New Series) for Industrial Workers for Nashik Center as per the Labour Gazette published by the Commissioner of Labour. Government of Maharashtra and/or in the Whole-sale Price Index for all commodities prepared by the Office of Economic Adviser, Ministry of Industry, Government of India or in the price of petrol / oil, and lubricants and major construction materials like bitumen,cement, steel, various types of metal pipes etc.	As per NIT
2	CKA Birla Group	2.4 General conditions for electrical Contractor List Of approved makes for Electrical Items	Kindly Consider Orient Electric Ltd (OEL) a CKA Birla Group company which is Indian's one of the leading brands as an approved make under LED fittings, Decorative Pole, High mast and octagonal poles (Brand approval letter with credentials is attached for reference.)	As per NIT

परिशिष्ट-अ				
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		Electrical BOQ Supplying and erecting integrated LED streetlight fitting 70-75W IP65 & IK08 classhaving single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, etc complete.	Please give clear range of CCT required.	As per NIT
		Electrical BOQ Supplying and erecting integrated LED street light fitting 160-170W IP65 & IK08 classhaving single piece pressure diecast aluminium housing, having system lumens output of Min. 19000 Lumens, etc complete	Please give detailed specifications of Street Light with CCT, CRI, THD, PF and other specifications	As per NIT
		Electrical BOQ Supplying and erecting 7 m long decorative pole with cap, base plate, foundation bolt etccomplete in provided foundation.	Please give Design and GTP of decorative pole along with its complete technical specifications	As per NIT
		Electrical BOQ Supplying and erecting decorative integral post top lantern LED fixtures of 50 W consisting with accessories on provided pole /bracket	Please give design and GTP and detailed technical specification of Post top Fitting	As per NIT
		Electrical BOQ Supplying and erecting decorative integral hanging LED fixtures of 72 W consisting with accessories on provided pole /bracket	Please give design and detailed Technical specification of Decorative Fitting	As per NIT
		Electrical BOQ Item no C 18 Supplying and erecting 8 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation	Please give Design and GTP of decorative pole along with its complete techical specifications	As per NIT
		Electrical BOQ Item No C 20 Supplying and erecting decorative double arm bracket for 7/8 m decorative pole etc complete	Please give Design and GTP of decorative pole along with its complete techical specifications	As per NIT
		Electrical BOQ Item No C 17 Supplying and erecting decorative integral hanging LED fixtures of 120 W consisting with accessories on provided pole /bracket	Please give design and detailed Technical specification of Decorative Fitting	As per NIT
		Electrical BOQ Item No C 15 Supplying and erecting 8 m long decorative pole with cap, base plate, foundation bolt etc complete in provided foundation.	Please give Design and GTP of decorative pole along with its complete techical specifications	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
3	Forcon Infra Pvt. Ltd.	Clause 1.3 Financial Turnover and Bid Capacity, B) Bid Capacity C) Supporting Documentation, P.No 13 A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer-in-Charge not below the rank of Executive Engineer or equivalent.	We kindly request that the statement showing the value of existing commitments and ongoing works for the next three years be accepted only if it is certified by a Chartered Accountant. and The condition requiring countersignature by an Engineer not below the rank of Executive Engineer or equivalent may kindly be deleted.	Refer CSD
		Clause 1.1 Eligibility Criteria: Machinery, 2 - Machinery Hydraulic Paver Finisher with Automatic Electrical Sensor Device (SCADA enabled): The Electronic Sensor Paver Finisher shall be equipped with an electronic sensing device and shall conform to clause 504.3.5 of the MORTH Standard Specification. The Machine shall have a screed of minimum 9.00 meters width and shall be capable of laying bituminous layers with minimum lift thickness of 75mm. – (1 No. Owned)	We kindly request that the Sensor Paver, whether owned or hired, be considered acceptable. Alternatively, we kindly request that a paver with a capacity of 5.50 meters be considered acceptable in place of the currently stipulated 9.00-meter capacity.	Refer CSD
4	N.M. Pekhale Infra Pvt. Ltd.	Clause 1.1 Eligibility Criteria: Machinery, Each Tenderer / Bicder should further demonstrate the availability of the following key and critical equipment exclusively for this work at the time of submission of tender. Mode of Availability - Owned	We kindly request you to allow a modification stating that the required machinery for this work may be either owned or hired.	As per NIT
		Clause 1.1 Eligibility Criteria: Machinery,	In the tender, there is a 45-day condition to install the batch mix plant after the LOA. We kindly request you to apply this condition to the remaining machinery as well.	As per NIT
		Clause: A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer-in-Charge not be ow the rank of Executive Engineer or equivalent.	We kindly request that the statement showing the value of existing commitments and ongoing works for the next three years be accepted only if it is certified by a Chartered Accountant. And the condition requiring countersignature by an engineer not below the rank of Executive Engineer or equivalent may kindly be deleted.	As per NIT
		1 Detailed Tender Notice, Point 11, Page No 7 Joint venture Agreement in any form shall not be allowed	We request you to grant permission to enter into a joint venture agreement.	As per NIT
		5.7 Conditions of Contract, Clause – 57 There is nc provision for Price variation, Star rate for this work.	Permission should be granted to sublet the work. Since the payment for the work depends on the availability of funds, star rates or price variation should be granted.	As per NIT



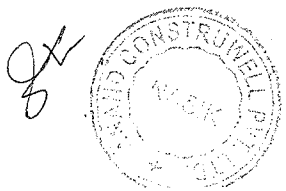
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
5	ssss	1.1 eligibility Criteria - c)-2.	About availability of Machinery. it is said that contractor should own Slip form Hydraulic Concrete Paver (With SCADA)-01 No. conforming to clause 602 of MORTH and IRC:SP:64 with automatic electronic sensor for line, level and thickness capable of laying CC Pavement upto 7.5 m width and 300 mm thickness in a single pass equipped with vibrator for full compaction. Concrete road in this Tender Notice are in Urban area and it involves many obstacles and utilities like Chembers/Manholes/Trees etc. and 7.5 Mtr width hydraulic Concrete Paver is practically not feasible for this type of works. Hence we request you to consider the Slip form Concrete Paver of 5 Mtr width.	Refere CSD
		Clause: 1.1 Eligibility criteria, machinery	Hydraulic Concrete Paver costs 15-18 Cr and can not be made compulsory for works costing only 70-80 Cr. Hence we request you to consider condition of Hire of Hydraulic Concrete Paver. It will also facilitate healthy competition and will benefit NMC.	As per NIT
		Clause: In Para 1.1 eligibility Criteria - c)-3.	Concrete Transit Mixture with SCADA- of 6 m3 capacity – 07 Nos. is given. As there is condition of distance Certificate within 45 days after issue of LOA of having Plant within 30 Km of NMC headquarter hence condition of 07 No. of Transit mixture is unnecessary. Considering the volume and location of works only 4 to 5 Nos of Transit Mixtures are enough for single work. Condition of having 07 No. of TM will not allow competition. Hence we request you to modify this condition and allow owner of 4 to 5 Transit Mixture.	Refer CSD
6	Pawar Patkar Constructions Pvt. Ltd.	Clause: **Certificate of work experience in private sector, joint ventures, and unofficial sub-contracts will not be consider.**	Kindly requested all certificate of work experience in Joint Venture should be considered. This procedure to considering experience in joint venture work done certificate. Work completed in joint venture the proportionate cost and experience will be considered as single work. (In proportionate to his % contribution in joint venture agreement) Recently tenders in PWD for Simhasta, joint venture work done allowed for work experience proportionate % contribution.	Refer CSD



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
7	SGM Buildcon	1.1 eligibility Criteria, machinery	The conditions of all tenders specify that the Hydraulic paver machine should be up to 7.5 meters in width. However, the width of roads varies across project sites. While a machine with a width of up to 7.5 meters is suitable for broader roads, it is requested that for narrower roads, consideration be given to allowing the use of smaller-sized Hydraulic paver machines. This flexibility will help ensure efficient and appropriate execution according to site conditions. And also encourage more competent bidders to participate.	Refer CSD
		1.1 eligibility Criteria, machinery	Hydraulic Concrete Paver maximum cost 10-12 Cr and cannot be made compulsory for works costing only 15-80 Cr. Most companies may not own such high-grade machines, despite having extensive experience in executing similar works with proven quality. Therefore, it is kindly requested that such companies be permitted to acquire the required machines on a rental basis. The rental agreement documents may be submitted at the time of the bidding process. This provision will encourage wider participation of competent bidders and ensure quality outcomes in the execution of the work.	Refer CSD
		In Para 1.1 eligibility Criteria - c)-3- Concrete Transit Mixture with SCADA- of 6 m3 capacity – 07 Nos. is given.	As there is condition of distance Certificate within 45 days after issue of LOA of having Plant within 30 Km of NMC headquarter hence condition of 07 No. of Transit mixture is unnecessary. Considering the volume and location of works only 4 to 5 Nos of Transit Mixtures are enough for single work. Condition of having 07 No. of TM will not allow competition. Hence, we request you to modify this condition and allow owner of 5 Transit Mixture.	Refer CSD
8	RE Infra Pvt Ltd.	Page No.13 Important Conditions Contract 2.i All Tenderer/bidder must note that after completion of tender procedure the successful Tenderer/ bidder shall take out necessary Insurance Policy / Policies so as to provide adequate insurance cover for execution of the awarded contract work from the "Directorate of Insurance, Maharashtra State Mumbai" only. It's Postal address	Insurance cover to be permitted from private insurers also.	As per NIT

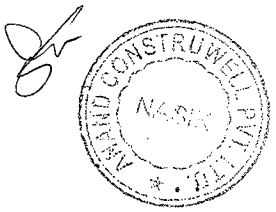
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		Page No.15 Important Conditions Contract 2.3 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming SimhastaKumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor. In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land,obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority.In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks,dependencies,	Proportionate Extention of time Limit to be granted on account of delays in site handover and Third Party obstructions	As per NIT
		Page No.59 Important Conditions Contract 69 **6.42 Deviation limit** **Quantities shown in the Tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender or estimate, to any extent**	Deviation Limit to be Fixed 5% of contract sum and 25 % in Individual Items	As per NIT
		Page No.69 & 70 Important Conditions Contract 6.69.i **6.69.1 MINIMUM CEMENT CONSUMPTION:** Minimum cement consumption per cubic meter of concrete for the different grades of concrete shall be as follows	Cement Consumption for various Grade of concrete to be permitted as per mix design attaining Desired Strength as per revelant IS Codes /MORTH specifications.	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
9	SBD Infra Tech Pvt.Ltd	Detailed Tender Notice, P.No 4 1. Earnest Money Deposit Rs. 0.5% of Cost put to tender EMD will be accepted in the form of Online Payment only by net banking only. Tenderer must submit online EMD receipt along with technical document.	Allow EMD to be submitted in the form of Bank Guarantee	
10	Surya Total Lighting Solutions	Clause 2.4, Conditions of Electrical Work, P.No 18,19 List of Approved makes	Sr. No. 6 – LED Fittings Sr. No. 7 – High Mast & Octagonal Poles Sr. No. 9 – Decorative Lighting request the inclusion or regularization of the Surya brand under the above items	As per NIT
11	Karyesh Constrowell	Clause 1.1 Eligibility Criteria (Machinery), P.No 8 Sr. No 1	Kindly consider the erection of Plant within 60 days from LOA for the fair market competition. It will be more than sufficient time to procure all the materials and erection work.	Refer CSD
12	gaurishankar purohit	Clause 1.1 eligibility Criteria, Machinery Hydraulic paver machine should be up to 7.5 meters in width	it is requested that for narrower roads, consideration be given to allowing the use of smaller-sized Hydraulic paver machines.	Refer CSD
		Sr. No. 2.Hydraulic Concrete Paver (With SCADA) - Owned	it is kindly requested that such companies be permitted to acquire the required machines on a rental basis. The rental agreement documents may be submitted at the time of the bidding process.	Refer CSD
		Sr. No 3 Concrete Transit Mixer (With SCADA) - No. 7, Owned	We request you to modify this condition and allow owner of 5 Transit Mixture.	Refer CSD
13	N.K.Varma	Clause 1.1 Eligibility Criteria, Machinery (Page No 8) Sr. No. 1. After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, meets the required capacity and standards, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for.	1.we sincerely request that only those Asphalt Hot Mix plants and RMC Plants which are already established and functional within 30km from NMC should be considered eligible	As per NIT
			2. Lead Charges for Quarry material It is requested that the lead charges for quarries be considered up to 20km as included in the tender estimate If the approved quarry by the Engineer in charge is located beyond 20km, then the additional lead charges as per actual distance may kindly be borne by NMC	As per NIT



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
			3. Star Rate and escalation clause it is requested to kindly clarify the provision regarding star rates and escalation appilcable during the execution period of the work. It is suggested that a) star rates for materials not covered in the schedule(DTP/SSR)be approved by the engineer-in-charge, based on prevailing market rates at the time of execution. b) In case of delay not attibutable to the contractor, or in case of variation in material/labour costs, the escalation clause as(price adjustment) as per standard PWD/MJP/CPWD practice may be made applicable	As per NIT
			4. Provision for price escalation and star rate difference as the allocation of project funds has not been clearly specified, it is requested that in accordance with the GoM GR on price escalation, suitable provisions for price escalation and star rate differences for materials such as cement and steel be incorporated in the tender conditions	As per NIT
		Schedule B (Item no 47)	5. Clarification regarding use of Grader/Paver for GSB Work (Item no 47) it is requested to kindly clarify whether the use of a mechanical paver is mandatory for the constuction of Granular Sub base (GSB) as per item no.47 of tender No.1 or other similar works, whether the same work can be carried out using a motor grader equipped with appropriate controls and compaction by vibratory roller as per standard MoRTH Clause 401, both paver and grader methods are permissible depending on site conditions and layer uniformity requirements. Hence it is requested that the tender condition may be suitably relaxed to allow the use of either a motor grader or paver for laying GSB material, ensuring compliance with the required density and grading compliances	As per NIT
			6. On Scope and responsibilities kindly confirm whether the corporation will provide the approved list of quarries in advance, or the contractor is expected to identify and obtain approvals independently.	As per NIT
			7. Clarification regarding validity and issuing authority of distance certificate it is requested to kindly clarify whether a distance certificate already issued by the Executive Engineer, PWD for Asphalt plant and RMC plant, valid for a period of one year and certified by the Assistant Engineer(mechanical) shall be accepted for this tender. since the said certificate is issued by a competent government authority and is valid for the specified period, we request that the same be considered sufficient and that bidders may not be required to obtain a fresh distance certificate from the executive engineer, quality control department, NMC	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		1.3 Financial Turnover and Bid Capacity, page No 11	8. Application of Multiplication factors for work executed it is requested to kindly clarify that the escalation (multiplication) factors prescribed in the tender document (for financial year 2020-21 to 2024-25) should be applicable not only for turnover calculations but also for the value of work executed during the corresponding years applying the same factors uniformly to both turnover and executed work value will ensure a fair assessment of the contractor 's financial and technical capacity, in line with the provisions of the GoM GR updated 27/09/2018 (CAT/2017/Pra.Kra-08/इमा -2)	Refer CSD
		1 Detailed Tender Notice, Point 11, Page No 7	9. Joint Venture Participation JV shall be allowed amongst existing asphalt plant (min 80 TPH capacity) and ready mix concrete plant (min 60 cu.m/hr capacity) holders for work experience and quantity experience for the required quntities in the tender possessing distance certificates within a 30km radius from the head office	As per NIT
			10. Acceptance of security bonds for performance security and initial security deposit It is requested that the department may kindly allow submission of security bonds (insurance Surety Bond) in place of bank guarantee cash or fixed deposit receipts towards : 1. performance security 2. Initial security deposit as per the latest GoM and Ministry of Finance guidelines permitting insurance surety bonds as acceptable instruments for tender security and performance guarantees	Refer CSD

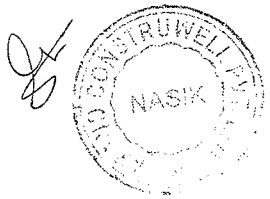


Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
14	Lokmanya Enterprises		In that civil tender electrical works are also included In this tender information there is no technical criteria mentioned / asked for electrical works. As per government norms it is compulsory that, all electrical works should be carried out by Govt. Licensed Electrical contractor only. Also in tender Document Defect liability period for Electrical Work is 5 Years with onsite 5 years comprehensive Maintance. Hence we are trying taking your attention that the meaning of comprehensive Maintance is "Comprehensive maintenance refers to an all-inclusive maintenance contract that covers both routine preventive work and unplanned repairs. including the cost of labor and replacement spare parts, and often provides emergency service and remote support" & this is when the system is in operation & Maintance Contract like Annual Maintance Contract. In the above situation after completion of work, it is handed to NMC Elect. Dept. & then system is operated by NMC (Electrical) Dept. & third party Contractor TATA Project. In this situation comprehensive Maintance criteria should not be imposed as due to negliance of operating dept. the system may be failed. Hence the tender condition under General Condition Clause No-11 of onsite 5 years comprehensive Maintance should be cancelled for all items except LED , as for LED fittings Manufacturer is giving the 5 years warranty with their terms conditions. Hence it is our humble request you to kindly remove the Electrical works from the above mention 18 civil works and please published separate tender for electrical work for all locations.	As per NIT
15	Anand Construwell Pvt. Ltd	C) Supporting Documentation: Bid capacity A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer in-Charge not below the rank of Executive Engineer or equivalent.	"We kindly request that the statement showing the value of existing commitments and ongoing works for the next three years be accepted only if it is certified by a Chartered Accountant. and "The condition requiring countersignature by an Engineer not below the rank of Executive Engineer or equivalent may kindly be deleted."	Refer CSD
		1.1.a Machinery (1) Asphalt / RMC Batch Mix Plant : Above said plant shall be located within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from issuance of LOA, the bidder shall be submit certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation	It is our earnest request to consider the Asphalt and RMC plants, which are already in existence within 30 Kms from the Nashik Municipal headquarters, at the time of submission of tenders may only be considered eligible for the tendering process.	As per NIT
		Clause 57, (Note), Page No. 49 As per the guidelines dated 27/09/2018, there is no provision for Price variation, Star rate for this work	Since the fund allocation is not clear, its requested to incorporate price variation clause or star rate	As per NIT
16	Ajwani Infrastructure Pvt.Ltd	Clause 6.34 Mobilization Advance- No mobilization advance shall be paid under this contract	We request you to consider payment of 10% interest free mobilization advance and 10% interest free machinery advance of the contract price to augment the cash flow of the contract	As per NIT

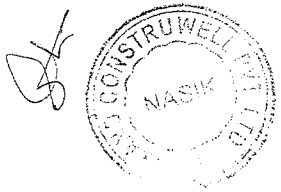
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		2 Important Condition of contract d) Payments of the work shall be made subject to availability of fund	We request you to specify the source of funds and confirm the assured availability of funds for the subject work. Since timely payments are critical for smooth execution, clarity on fund allocation and disbursement mechanism will help bidders to assess financial risk and quote competitively	As per NIT
		Detailed tender notice Time limit: upto 31st March 2027	please specify the exact completion period (In months/days)instead of mentioning "upto 31st march 2027" the exact duration is essential for bidders to: 1. calculate bid capacity as per tender conditions 2. prepare realistic work programmes and resource planning	As per NIT
		Clause 2.3 Land availability, alignment clearance and tender process implications	Encumbrances are existing in the ROW defined in the tender. You are requested to confirm whether 100% ROW is free of encumbrance will be handed over prior to start of the work	As per NIT
		Allotment of works	to ensure wider participation, timely completion and fair distribution of works among multiple bidders, we request the authority to incorporate a clause restricting the allotment of a maximum of 2 works to a single bidder, even if the bidder emerges as L-1 in more than two works. this will avoid concentration of multiple works with a single agency and will safeguard NMC from the risk of failure of completion before March 2027.	As per NIT
		Detailed tender notice, P.No 8 a) for concrete road work costing more than 4cr Sr.' Clause a),b) and c) Page 20 - Clause 3.1.1 all documents as required vide this notice including but not limited to list given below vii. Scanned copy of verification certificate of Executive Engineer regarding plant location given in tender document	There is an ambiguity.Page 8 states that the certificate regarding plant location is to be obtained and submitted within 45 days of LOA, while at page 20 indicates that the same certificate is to be submitted along with the bid. These two conditions contradict each other. To avoid ambiguity, it is requested to kindly amend the clause No vii at page 20 as "Bidders shall provide an undertaking regarding assurance of arrangement of an Asphalt Batch mix plant as per tender requirements on award of work"	As per NIT
17	G.R Constructions	Hydraulic Paver Finisher with Automatic - 1 No. Owned	Hydraulic Paver Finisher with Automatic - 1 No. Owned / Hire	As per NIT
		Satisfactorily executed following minimum quantities of the items in one single year from works completed in last Seven years. 1) BC/AC 30% Qty. of Schedule ' B'	Satisfactorily executed following minimum quantities of the items in one single year from works completed in last Seven years. 1) BC/AC/Mastic 30% Qty. of Schedule ' B'	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
18	B.S.Chopra and associates	Clause 1.1 Eligibility Criteria, Machinery (Page No 8) Sr. No. 1. After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, meets the required capacity and standards, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for.	1) Distance Certificate Eligibility for this tender is strictly limited to contractors who possess established and operational Asphalt Batch Mix Plants and Ready Mix Concrete (RMC) Plants located within a 30-kilometer radius of the Nashik Municipal Corporation Headquarters (Rajiv Gandhi Bhavan) Limiting participation to contractors with readily available, nearby facilities ensures higher material quality, guarantees on-time project completion, and minimizes logistical and transportation complicationsvvv	As per NIT
			2) Availbility of Machinery and Staff during Defect Liability Period (DLP) Please clarify whether the contractor is obligated to maintain a local, stationed presence of essential machinery and technical personnel throughout the DLP for timely handling of maintenance and repair work. This will ensure timely response to any defects observed during the DLP and maintain the desired quality and serviceability of the executed work	As per NIT
			3) Provision for Price Escalation and Star Rate Difference As the allocation of project funds has not been clearly specified, it is requested that, in accordance with the Government of Maharashtra GR on Price Escalation, suitable provisions for price escalation and star rate differences for materials such as cement and steel be incorporated in the tender conditions. This will ensure financial fairness to the contractor in case of increase in material and labour costs during the execution period, and will help maintain the quality and timely completion of the work as per government norms	As per NIT
			4) Clarification Regarding Use of Grader / Paver for GSB Work (Item No. 47) We request clarification: Is a mechanical paver mandatory for GSB work (Tender Item 47), or can the process be substituted by using a controlled motor grader for; spreading and a vibratory roller for compaction As per standard MoRTH Clause 401, both paver and grader methods are permissible depending on site conditions and layer uniformity requirements. Hence, it is requested that the tender condition may be suitably relaxed to allow the use of either a motor grader or paver for laying GSB material, ensuring compliance with the required density and grading specifications.	As per NIT

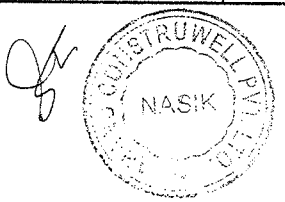
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
			5) On Scope & Responsibilities •Kindly confirm whether the Corporation will provide the approved list of quarries in advance, or the Contractor is expected to identify and obtain approvals independently.	As per NIT
			6) On Risk & Liability •We seek clarification on whether the liability for material-rel*ed defects (like pavement failure) rests solely with the Contractor, or if the Corporation assumes shared responsibility, since the materials were officially sanctioned by them.? •Please clarify whether approvals once granted can be revoked mid-project, and what compensation (if any) will be payable to the Contractor.	As per NIT
			7) Clarification Regarding Validity and Issuing Authority of Distance Certificate Please clarify if the tender will recognize a valid, one-year Distance Certificate for the Asphalt and RMC Plants, provided it was formally issued by the PWD Executive Engineer and authenticated by the Assistant Engineer (Mechanical) Given that the current certificate is valid and issued by a recognized government authority, we ask that you waive the requirement for bidders to secu. a fresh Distance Certificate from the NMC Quality Control Department	As per NIT
			8) Lead Charges for Quarry Material We request that the calculation of lead charges for quarry materials be uniformly restricted to a maximum distance of 20 kilometres, consistent with the distance specified in the original tender estimate Should the Engineer-in-Charge mandate the use of an approved quarry situated beyond the 20-kilometre lead distance, the Nashik Municipal Corporation is kindly requested to reimburse the additional transportation (lead) charges based on the actual distance. The adjustment ensures both financial fairness for contractors and operational practicality for the project, aligning compensation with actual site-specific requirements.	As per NIT



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
			9) Star Rate and Escalation Clause We kindly request a clear provision regarding the application of Star Rates and Price Escalation throughout the work execution period. Please confirm that the relevant guidelines specified in the PWD Government Resolution will be strictly implemented for these financial adjustments. Since the tender is based on current market rates, it is suggested that: •Star Rates for materials not covered in the schedule (DTP/SSR) be approved by the Engineer-in-Charge, based on prevailing market rates at the time of execution. •In case of delay not attributable to the contractor, or in case of variation in material/labour costs, the escalation clause (price adjustment) as per standard PWD / MJP / CPWD practice may be made applicable.	As per NIT
			10) Availability of Machinery and Equipment We request confirmation that all necessary movable equipment for the project (e.g., paver, roller, grader, tipper) can be sourced through either contractor ownership or verified rental/lease agreements. This flexibility should apply to all machinery other than the mandatory Asphalt Batch Mix Plant." Allowing equipment to be rented or leased will boost competition by encouraging wider participation from qualified contractors, all while ensuring compliance with our project's technical requirements and quality standards.	Refere CSD
			11) Eligibility Criteria We request confirmation that the financial escalation factors provided in the tender document (covering FY 2020-21 to 2024-25) must be uniformly applied to both the contractor's annual turnover and the corresponding value of work executed. This application is intended to align the evaluation process with the Government of Maharashtra GR dated 27/09/2018. This uniform application aligns the assessment of the contractor's financial and technical capacity with the standards set forth in the Government of Maharashtra GR dated 27/09/2018, ensuring an equitable evaluation. The aim is to uphold clarity and fairness in assessing each contractor's capacity to undertake the project	Refer CSD



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
19	Alson Electricals		It is mandatory to that, all electrical works should be done by Electrical Licensed contractor only. As per tender DTP the DLP period given for all electrical material is 60 Months. Actually in other tenders 60 months DLP period is to be considered only for LED Street light fittings. So we request you to consider the regular DLP period Le. 12 months for other electrical item like Cable, Pole Transformer, Conductor etc. It is our humble request you to remove the Electrical works from the above mention 18 civil works and please published separate tender for electrical work for all locations.	As per NIT
20	SGA Electric Corporation		Electrical works should be carried out by Govt. Licensed Electrical contractor only.	As per NIT
		General Condition Clause No-11	"Comprehensive maintenance refers to an all-inclusive maintenance contract that covers both routine preventive work and unplanned repairs, including the cost of labor and replacement spare parts, and often provides emergency service and remote support & this is when the system is in operation & Maintance Contract like Annual Maintance Contract." In the above situation after completion of work, it is handed to NMC Elect. Dept. & then system is operated by NMC (Electrical) Dept. & third party Contractor TATA Project. In this situation comprehensive Maintance criteria should not be imposed as due to negliance of operating dept the system may be failed. Hence the tender condition under General Condition Clause No-11 of onsite 5 years comprehensive Maintance should be cancelled for all items except LED, as for LED fittings Manufacturer is giving the 5 years warranty with their terms conditions.	As per NIT
			Kindly remove the Electrical works from the above mention 18 civil works and please published separate tender for electrical work for all locations.	As per NIT
21	Jaquar Group		Brand name Jaquer is missing In LED Fittings category. Kindly request to incorporate Jaquar brand in it	As per NIT
22	Suyog Infra		Kindly remove the Electrical works from the above mention 18 civil works and please published separate tender for electrical work for all locations.	As per NIT
			1. Eligibility Criteria (Machinery List): In point no. 2, the requirement specifies "Hydraulic Paver Finisher (with minimum screed width 9 metres)". We request you to kindly relax this condition to "Hydraulic Paver Finisher (with	Refer CSD
			2. Price Escalation: Considering the large quantities of bitumen and cement involved in the tender, and their fluctuating market rates, we request you to allow Star Rate/Price Escalation provisions.	As per NIT
			3. Bid Capacity: The formula for calculating bid capacity has not been mentioned in tender document	As per NIT



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
23	RPS Infraprojects	**1. Tender Clause Page No.13 Important Conditions Contract 2.i** All Tenderer/bidder must note that after completion of tender procedure the successful Tenderer/ bidder shall take out necessary Insurance Policy / Policies so as to provide adequate insurance cover for execution of the awarded contract work from the "Directorate of Insurance, Maharashtra State Mumbai" only. It's Postal address	We must be permitted to take insurance cover from reputed pvt Insurers also	As per NIT
		2. Tender Clause Page No.15 Important Conditions Contract 2.3 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming SimhastaKumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor. In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land,obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority.In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks,dependencies, and conditionalities while preparing and submitting their bids.	Extention of time Limit to be granted in proportion to delays in site handover and local hindrances in R.O.W	As per NIT
		3. Tender Clause Page No.59 Important Conditions Contract 69 6.42 Deviation limit Quantities shown in the Tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender or estimate, to any extent.	Total devisation limit should be fixed at maximum 5% of contract sum.Individual item variation can be to any extent based on site conditions.	As per NIT
		4. Tender Clause Page No.69 & 70 Important Conditions Contract 6.69.i 6.69.1 MINIMUM CEMENT CONSUMPTION: Minimum cement consumption per cubic meter of concrete for the different grades of concrete shall be as follows	Cement Consumption for various Grade of concrete to be allowed as per relevant IS codes.	As per NIT

CONSTRUWELL PVT. LTD. NASHIK

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		5. Tender Clause-2.3 Page No.15 Important Conditions Contract 2.3 . 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming Simhasta Kumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor.In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land, obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints,and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority. In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks, dependencies,	We have to erect plant at 30 km from Rajiv Gandhi Bhavan as mandated in tender.NMC to arrange suitable land for the same	As per NIT
		6. Tender Clause no.1.1 C a) Page no.11 b) After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shifl, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit.	Time for erection and operation of Asphalt plant to be 60 Days From L.O.A	Refer CSD
		7. Royalty charges to be Paid by Contractor 2(viii) on page no 13	Royalty charges on minor mineral consumed in work to be reimbursed as per Govt norms.	As per NIT

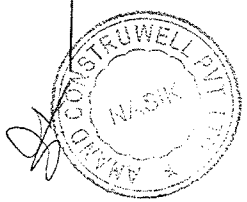
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
24	Shah & Parikh Engineer	1. **Tender Clause Page No.13 Important Conditions Contract 2.i.** All Tenderer/bidder must note that after completion of tender procedure the successful Tenderer/ bidder shall take out necessary Insurance Policy / Policies so as to provide adequate insurance cover for execution of the	We must be permitted to take insurance cover from reputed pvt Insurers also	As per NIT
		2. **Tender Clause Page No.15 Important Conditions Contract 2.32.3** Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming SimhastaKumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor. In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land,obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority.In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks,dependencies, and conditionalities	Extention of time Limit to be granted in proportion to delays in site handover and local hindrances in R.O.W	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		3.Tender Clause-2.3 Page No.15 Important Conditions Contract 2.3 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming Simhasta Kumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor.In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land, obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints,and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority. In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks, dependencies, and conditionalities	We have to erect plant at 30 km from Rajiv Gandhi Bhavan as mandated in tender.NMC to arrange suitable land for the same.	As per NIT
		4.Tender Clause no.1.1 C a) Page no.11 b) After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shifl, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit.	Time for erection and operation of Asphalt plant to be 60 Days From L.O.A	Refer CSD
		5. Royalty charges to be Paid by Contractor 2(viii) on page no 13	Royalty charges on minor mineral consumed in work to be reimbursed as per Govt norms.	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		6.Asphalt batch mix plant to be owned clause no page no	i) Assured access to Asphalt plant through confirmed lease agreement ii)To permit successful tenderer to procure and install Asphalt plant within 60 days after L.O.A	Refer CSD
25	saket infra	1. Tender Clause Page No.13 Important Conditions Contract 2.i . . All Tenderer/bidder must note that after completion of tender procedure the successful Tenderer/ bidder shall take out necessary Insurance Policy / Policies so as to provide adequate insurance cover for execution of the awarded contract work from the "Directorate of Insurance, Maharashtra State Mumbai" only. It's Postal address	Insurance cover to be permitted from private insurers also	As per NIT
		2. Tender Clause Page No.15 Important Conditions Contract 2.3 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming SimhastaKumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor. In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land,obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority.In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks,dependencies,	Proportionate Extention of time Limit to be granted on account of delays in site handover and Third Party obstructions	As per NIT
		3. Tender Clause Page No.59 Important Conditions Contract 69 6.42 Deviation limit Quantities shown in the Tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender or estimate, to any extent.	Deviation Limit to be Fixed 5% of contract sum and 25 % in Individual Items	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		4. Tender Clause Page No.69 & 70 Important Conditions Contract 6.69.i 6.69.1 MINIMUM CEMENT CONSUMPTION: Minimum cement consumption per cubic meter of concrete for the different grades of concrete shall be as follows	Cement Consumption for various Grade of concrete to be permitted as per mix design attaining Desired Strength as per revelant IS Codes /MORTH specifications.	As per NIT
		5. Tender Clause-2.3 Page No.15 Important Conditions Contract 2.3 2.3 Land Availability, Alignment Clearance, and Tender Process Implications (Road Works) The proposed road works are of critical importance and are time-bound in view of the forthcoming Simhasta Kumbhamela 2027. The Simhasta Kumbhamela Road Development Project has received formal approval from the Nashik–Trimbakeshwar Kumbhamela Pradhikaran vide letter dated 14/09/2025 and all conditions given below, stipulated in the said letter of the Administrative Approval shall be binding on the tenderer/contractor.In certain stretches of the proposed works, delays or difficulties may arise in acquisition of land, obtaining right-ofway,or securing alignment clearance. Accordingly, all tenderers are strictly advised to visit the site, examine theground conditions, review the proposed alignment, and take into account land availability, right-of-way constraints,and all related challenges prior to submission of their bids. Furthermore, in the event that: the required land is not made available, alignment or right-of-way clearance is notgranted, or the Competent Authority proposes changes in the overall treatment, modifies the Administrative Approval amount, or reduces the sanctioned length of work, then the tender process may be withheld, cancelled,withdrawn, or reassigned under separate arrangements, as may be decided by the Competent Authority. In all such circumstances, no claim, demand, compensation, or financial liability of any nature whatsoever shall beentertained from any bidder or contractor. Tenderers shall be deemed to have factored in all such risks, dependencies,	Adequate Land for RMC/Asphalt Plant And Temporary Facilities to be made available within 30 kms fromat Rajiv Gandhi bhawan as mandated in tender	As per NIT

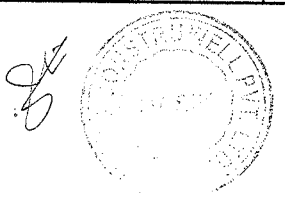
Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		6.Tender Clause no.1.1 C a) Page no.11 b) After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shifl, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit.	Time for erection and operation of RMC /Asphalt plant to be 60 Days From L.O.A	Refere CSD
		7.Royalty charges to be Paid by Contractor 2(viii) on page no 13	Royalty charges on minor mineral consumed in work to be reimbursed as per Govt norms.	As per NIT
26	Aakar Constructions, Nashik	1.1.a Machinery (1) Asphalt / RMC Batch Mix Plant : Above said plant shall be located within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from issuance of LOA, the bidder shall be submit certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation	It is our earnest request to consider the Asphalt and RMC plants, which are already in existence within 30 Kms from the Nashik Municipal headquarters, at the time of submission of tenders may only be considered eligible for the tendering process.	As per NIT
		1.1.a Machinery (2) Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled) : Width : 9.00 mtr Mode of availability : Owned	Please allow hire agreement for said machinery (9.00m width) instead of owned paver.	Refer CSD
		Hydraulic Concrete Paver (with SCADA) : Width : 7.5 mtr Mode of availability : Owned	Please allow hire agreement for said machinery (7.50m width) instead of owned paver.	Refer CSD
		1.1.a Machinery (5) Static roller 8 to 10 Tonne/ smooth wheeled power roller	Please permit to use vibratory road roller instead of static roller. Or Please allow hire agreement for said machinery instead of owned.	As per NIT
		1.3 - B BID CAPACITY A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer-in-Charge not below the rank of Executive Engineer or equivalent.	Please request that the statement showing the value of existing commitments and ongoing works for the next three years be accepted only if it is certified by a Chartered Accountant. and The condition requiring counter signature by an Engineer not below the rank of Executive Engineer or equivalent may kindly be deleted.	Refer CSD



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
		Clause 57, (Note), Page No. 49 As per the guidelines dated 27/09/2018, there is no provision for Price variation, Star rate for this work	Since the fund allocation is not clear, its requested to incorporate price variation clause or star rate.	As per NIT
27	Mahalaxmi Constructions	**Clause 1.1 Eligible Critera, Point 1.2** Satisfactorily executed 30% quantity of following items in one single year in last seven years : 1)WBM+GSB+WMM 2)BM 3)DBM 4)BC/AC	as per earlier tender qualification criteria of NMC there are BM+DBM quantities consider for tender like WBM+GSB+WMM. we hereby request to allow BM+DBM quantities for fare and genuine competition	As per NIT
28	Kranti Constructions	**Detailed E Tender Notice 11), P.No7** Joint Venture: Joint Venture agreement in any form shall not be allowed	Considering the cost & quantum of the work it is requested you to allow the joint venture	
29	Vinod Luthra & Associates		1. Exclusion of Electrical Work The scope of the work includes electrical works along with bituminous road works. We humbly request that the electrical portion be excluded from this tender, as we do not possess adequate expertise in electrical execution. Getting the same executed through sub-contracting will be a challenging task for us. If the electrical works are floated separately, the Nashik Municipal Corporation will benefit from greater competition among qualified electrical contractors across India. This will not only ensure better service, quality, and workmanship but also result in an approximate saving of 15-20% of the electrical contract value.	As per NIT
			2. Aggregate Quality and Mix Design You are aware of the varying quality of stone aggregates available in Nashik district. Hence, we request that a mix design be prepared for every aggregate source from different quarries. The percentage of bitumen required for DBM, AC, and DM layers may accordingly be determined and applied.	As per NIT
			3. Lead Charges for Aggregates We request that lead charges for aggregates be paid as per actuals, duly certified by the Engineer-in-Charge and approved by Quality Control.	As per NIT
			4. Bank Guarantee / Security Bond As per PWD-GR manual and practice, instead of insisting on a bank guarantee, it is requested that the same be replaced with a Security Bond, which will reduce the financial burden on Plot	As per NIT
		Clause 6.34 Mobilisation advance – no mobilisation advance shall be paid under this contract.	5. Mobilization Advance Provision of mobilization advance may kindly be incorporated in the tender form to facilitate smooth commencement of work.	As per NIT
			6. Release of Payment and Security Deposit We request that immediately upon completion of work, the total payment be released without deduction of 10% towarsd security deposit. This will improve cash flow and ease financial stress on contractors.	As per NIT

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
			7. Chartered Accountant Certification Once a certificate is issued by the Executive Engineer, in such cases only acertificate from a Chartered Accountant may be accepted, and no further conditions may be imposed.	As per NIT
			8. Work Balance Certificate We submit these suggestions for your kind consideration in the interest of improving quality, transparancy, and economy of the work.	As per NIT
		Clause 1.1 Eligibility Criteria, Machinery (Page No 8) Sr. No. 1. After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, meets the required capacity and standards, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for.	9. Distance Certificate - Requesting that Asphalt and RMC plants within 30 km of Nashik Municipal HQ. be considered valid for tender eligibility.	As per NIT
		Clause 57, (Note), Page No. 49 As per the guidelines dated 27/09/2018 there is no provision for Price variation, Star rate for this work	10. Price Escalation / Star Rate Difference -Asking for provisions in line with Maharashtra Government GR to cover rising costs of cement, steel, labour, etc as there is no provision of funds with NMC for these works.	As per NIT
		Schedule B (Item no 47)	11. Use of Grader / Paver for GSB Work - Seeking clarification if Item 47 (GSB construction) must use a paver, or whether a grader with proper compaction is acceptable (as per MoRTH 401).	As per NIT
		1.1 Eligibility criteria Page no 8	12. Machinery & Equipment - Requesting flexibility to allow contractors to use owned or rented machinery (except Asphalt Batch Mix Plant, which is mandatory) movable machinery like grader & 9 miter paver will be provided during work execution or allow 5.5 miter Sencer paver.	As per NIT except TM
		1.3 Financial Turnover and Bid Capacity Page no 11	13. Additional Point for Consideration: Application of Financial Multiplication Factors (PWD GR) As per the Government of Maharashtra PWD Government Resolution, for bringing financial figures to a common base value, completed works from previous years are to be multiplied by prescribed factors — 1.10 for 1st year, 1.21 for 2nd year, 1.23 for 3rd year, 1.46 for 4th year, and 1.61 for 5th year. In the tender form, this factor has presently been applied only for the annual turnover. However, as per the said Government Resolution, the same multiplication factor is also required to be applied for the executed amount of work completed.	As per CSD

Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
			As per the PWD Government Resolution and norms, the escalation factor is applicable not only to the turnover but also to the work executed amount. However, in the present tender form, it appears that due to a typographical error or oversight, the words WORK "executed amount" to be considered for escalation have not been included. We therefore request you to kindly rectify this and include the WORK executec amount for application of the escalation factor and index, in line with PWD norms & G.R.	As per NIT
30	ST Kundariya		Dear Madam, In view of the above reference, I, M.S.T. Kundariya, (Electrical Contractor), Nashik, hereby submit that we have the experience of completing the electrical works in Simhasthata in the past in a timely and satisfactory manner. However since the electrical works have been published in the Simhasthata Works M.N.P. Nashik Construction E-Tender Notice No. 3 for the year 2025-26 (Work No. 1 to 18), the electrical contractor will be the one to complete the electrical works in the said Simhasthata. Please kindly request you that all electrical works of Simhastha Works M.N.P. Nashik Construction E-Tender Notice No.3 Year 2025-26 (Work No. 1 to 18) and onwards should be published as separate tenders by M.N.P. Nashik Electricity Department as usual. Therefore. Electrical contractors and their dependent employees will get employment opportunities and since they are local workers, it will be easy to carry out electrical works and carry out maintenance and repair on time/expeditiously. This is a humble request to get justice from you.	As per NIT
31	F.C.Rodrigues	**Detailed E Tender Notice 11), P.No7** Joint Venture: Joint Venture agreement in any form shall not be allowed	Permission of Joint Venture	As per NIT
		Clause 57, (Note), Page No. 49 As per the guidelines dated 27/09/2018, there is no provision for Price variation, Star rate for this work	**Inclusion of price escalation star rate clause** Given the volatility in the market prices of materials (Such as cement, steel, fuel, bitumen)and labor which may prevail over the contract period, we strongly request the inclusion of a suitable price escalation star rate clause	As per NIT
		6.70 Bituminous Works b) Plant and Machinery, Asphalt Batch mix plant Clarification Regarding Validity and Issuing Authority of Distance Certificate	**Point for the distance certificate** It is our earnest request to consider the Asphalt and RMC plants, which are already in existance within 30 kms from the NMC at the time of submission of tenders may only be considered eligible for the tendering process	As per NIT



Road Tenders				
Sr. No.	Name of Agency	Clause Details	Queries	Response
32	JB Infrastructure		Firstly, we would like to request exemption from pre-qualification criterion regarding ownership of an asphalt Batch mix Plant as our company has well experience asphalt road work and capable of executing similar quantum of asphalt road work. As per the tender condition in this regard it is requested to accept our MOU signed with the local Asphalt plant owner before starting the work. We believe our expertise and resources make us a suitable candidate for this project,and we would appreciate consideration for exemption from this requirement.	As per NIT
		Schedule B	Item No B6 of tender no-03/05 -Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outside including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, inspection charges, transportation to stores / site, and stacking, etc. complete. MJP DSR Page no 72 Sr No 7 (d) 0.00 SECTION-I(I) C.I./D.I. PIPES (70) Unit of quantity -killometre(Please clarify)	As per NIT
			Item no.D-15 of tender no-03/08 Supplying, fitting and fixing in position true to line and level Elastomeric Bearing including all accessories as per drawing and technical specifications and IRC:83 (Pt-II) section IX and clause 2005 of MoRTH specifications etc. complete.(SSR Item Nc-13.07)	As per NIT
			Can we work during monsoon? Time Period of payment after submission of bills.	As per NIT
33	M.G.Nair	Eligibility criteria, machinery	1)Hydraulic paver finisher machine of 6mt wide may be allowed for simhasta project	Refer CSD
			2) motor grader should be allowed on hire basis	As per NIT
34	M.T.Patil	1.3 Certificate of work experience in private sector, joint ventures, and unofficial sub-contracts will not be consider.	Kindly requested all certificate of work experience in Joint Venture should be considered. This procedure to considering experience in joint venture work done certificate. Work completed in joint venture the proportionate cost and experience will be considered as single work. (In proportionate to his % contribution in joint venture agreement) Recently tenders in PWD for Simhasta, joint venture work done allowed for work experience proportionate % contribution.	Refer CSD
35	Rushabh Construction		1. Earnest Money Deposit: We request you to kindly permit the payment of EMD in the form of a Bank Guarantee. minimum screed width up to 5.5 metres)" for wider participation.	As per NIT

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Road Tenders

Sr. No.	Name of Agency	Clause Details	Queries	Response
35	Rushabh Construction		1. Earnest Money Deposit: We request you to kindly permit the payment of EMD in the form of a Bank Guarantee. minimum screed width up to 5.5 metres)" for wider participation.	As per NIT
			2. Eligibility Criteria (Machinery List): In point no. 2, the requirement specifies "Hydraulic Paver Finisher (with minimum screed width 9 metres)". We request you to kindly relax this condition to "Hydraulic Paver Finisher (with	Refer CSD
			3. Price Escalation: Considering the large quantities of bitumen and cement involved in the tender, and their fluctuating market rates, we request you to allow Star Rate/Price Escalation provisions.	As per NIT
			4. Bid Capacity: The formula for calculating bid capacity has not been mentioned in tender document	As per NIT
36	Electrical Contractors Association of Maharshtra		For simhasta 2027 electrical work tenders shall be published on e-tender by electrical department NMC instead of PWD NMC	As per NIT
37	Rajson Electrons		In that civil tender near about 33.25 Cr electrical works are included. Further in tender DTP there is no technical criteria mentioned / asked for electrical works. as per government norms it is mandatory to that, all electrical works should be done by Electrical Licensed contractor only. As per tender DTP the DLP period given for all electrical material is 60 Months. Actually in other tenders 60 months DLP period is to be considered only for LED Street light fittings. So we request you to consider the regular DLP period i.e. 12 months for other electrical item like Cable, Pole. Transformer, Conductor etc. It is our humble request you to remove the Electrical works from the above mention 18 civil works and please published separate tender for electrical work for all locations.	As per NIT

Executive Engineer (Works)
Nashik Municipal Corporation, Nashik

Executive Engineer (Works)
Nashik Municipal Corporation, Nashik

Nashik Municipal Corporation – Tender Notice No. 03 (2025-26)

Pre-Bid Meeting and Issuance of Addendum/Corrigendum

Nashik Municipal Corporation has invited bids for eight (18) works under Tender Notice No. 03 (2025-26). A Pre-Bid Meeting for the same was conducted online on 01/10/2025 at 16:00 hours. The meeting was attended by the following bidders:

1	B.T. Kadlag Construction Pvt. Ltd.	13	N. K. Varma	25	saket Infra
2	CKA Birla Group	14	Lokmanya Enterprises	26	Aakar Constructions, Nashik
3	Forcon Infra Pvt. Ltd.	15	Anand Construwell Pvt. Ltd	27	Mahalaxmi Constructions
4	N.M. Pekhale Infra Pvt. Ltd.	16	Ajwani Infrastructure Pvt.Ltd	28	Kranti Constructions
5	Rajaram Constructions	17	G.R Constructions	29	Vinod Luthra & Associates-2
6	Pawar Patkar Constructions Pvt. Ltd.	18	B. S. Chopra and associates	30	ST Kundariya
7	SGM Buildcon	19	Alson Electricals	31	F. C. Rodrigues
8	RE Infra Pvt Ltd.	20	SGA Electric Corporation	32	JB Infrastructure
9	SBD Infra Tech Pvt.Ltd	21	Jaquar Group	33	M.G Nair
10	Surya Total Lighting Solutions	22	Suyog Infra	34	M. T. Patil
11	Karyesh Construwell	23	RPS Infraprojects	35	Rushabh Construction
12	Gaurishankar Purohit	24	Shah & Parikh Engineer	36	Electrical Contractor Association of Maharashtra
				37	Rajson electron

Pursuant to discussions during the meeting, the following documents have been issued and shall form an integral part of the tender document:

- **Common Set of Deviations (CSD) – containing clarifications, amendments, and decisions arising from the Pre-Bid Meeting.**

Nashik Municipal Corporation

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COMMON SET OF DEVIATION / CORRIGENDUM / ADDENDUM
For Works Under Tender Notice No:-3 (2025-2026)

Sr.No	CLAUSE	ORIGINAL CLAUSE DETAILS	SHALL BE READ AS
1	Detailed Tender Notice, Sr. No.6, **Date of Submission of :- Tender**	The bids shall be submitted online through the e-tendering system on www.mahatender.gov. in for above work on or before date 10/10/2025 upto 15.00 hrs.	The bids shall be submitted online through the e-tendering system on www.mahatender.gov. in for above work on or before date **17/10/2025 upto 17.00 hrs.**
2	Eligibility Criteria	Certificates of work experience in private sector, joint ventures, and unofficial sub-contracts will not be considered.	Official joint ventures experience in proportionate to percentage contribution in JV agreement will be considered however, certificates of work experience in private sector, and unofficial sub-contracts will not be considered.
3	1.3 Financial Turnover and Bid Capacity, **A) Financial Turnover**	iii) Escalation factors shall be applied to bring all figures to a common base year, as under: **Year before** / **Financial Year** / **Multiplication Factor** One / 2024–25 / 1.10 Two / 2023–24 / 1.21 Three / 2022–23 / 1.33 Four / 2021–22 / 1.46 Five / 2020–21 / 1.61	**Note:** Escalation factors shall be applied to bring all figures related to **similar types of work** and financial turnover to a common base year, as under: **Year before** / **Financial Year** / **Multiplication Factor** One / 2024–25 / 1.10 Two / 2023–24 / 1.21 Three / 2022–23 / 1.33 Four / 2021–22 / 1.46 Five / 2020–21 / 1.61
4	1.3 Financial Turnover and Bid Capacity, **C) Supporting Documentation**	A statement showing the value of existing commitments and ongoing works (for the next three years) shall be certified by a Chartered Accountant and countersigned by the Engineer-in-Charge not below the rank of Executive Engineer or equivalent.	A statement showing the value of existing commitments and ongoing works (for the next three years) shall be **certified by a Chartered Accountant.** Such existing commitments and ongoing works, **work done certificates and work orders for such works** shall also be submitted along with the certificate **certified by a Chartered Accountant.**
5	**5.7 Conditions of Contract**	**General Provision** **Clause – 1** : The person / persons whose tender may be accepted (herein-after called the contractor, which expression shall unless exceeded by or repugnant to the context include his hires, executors, administrators and (assigns) shall within 10 days (which may be extended by the Executive Engineer/ City	**General Provision** **Clause – 1**: The person / persons whose tender may be accepted (herein-after called the contractor, which expression shall unless exceeded by or repugnant to the context include his hires, executors, administrators and assigns) shall

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		Engineer/ or The Commissioner conceded up to 1month/ 2 months/ 3 months respectively if the Executive Engineer/ City Engineer/ or The Commissioner thinks fit to do so) of the receipt by him of the notification of the acceptance of his tender deposit with the Nashik Municipal Corporation in Cash or Govt. securities endorsed to the Commissioner, Nashik Municipal Corporation (if deposited for more than 12 months) of sum sufficient which will make up the full security deposit specified in the tender or (A) Permit Corporation at the time of making any payment to him for work done under the contract to deduct such as will amount to the percentage mentioned in detailed tender notice of all moneys so payable such deductions to be held by Nashik Municipal Corporation by way of security deposit, provided always that in the event of the contractor depositing a lump sum by way of security deposit as contemplated at (A) above then and in such case, if the sum so deposited shall not amount to the percentage mentioned in detailed tender notice, of the total estimated cost of the work it shall be lawful for Nashik Municipal Corporation at the time of making any payment to the contractor for work done under the contract to make up the full amount of the percentage mentioned in detailed tender notice, by deducting a sufficient sum from every such payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sums of money payable by the contractor to Nashik Municipal Corporation under the terms of his contract may be deducted from or paid by the sale of sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due or may become due by Nashik Municipal Corporation to the contractor under any other contract or transaction of any nature on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall, within 10 days thereafter, make good in cash or	(A) within 10 days (which may be extended by the Executive Engineer/ City Engineer/ or The Commissioner conceded up to 1month/ 2 months/ 3 months respectively if the Executive Engineer/ City Engineer/ or The Commissioner thinks fit to do so) of the receipt by him of the notification of the acceptance of his tender deposit with the Nashik Municipal Corporation in **Cash/DD/ Cheque to the Commissioner, Nashik Municipal Corporation of sum sufficient which will make up the full security deposit specified in the tender** or (B) Permit Corporation at the time of making any payment to him for work done under the contract to deduct such as will amount to the percentage mentioned in detailed tender notice of all moneys so payable such deductions to be held by Nashik Municipal Corporation by way of security deposit, provided always that in the event of the contractor depositing a lump sum by way of security deposit as contemplated at (A) above then and in such case, if the sum so deposited shall not amount to the percentage mentioned in detailed tender notice, of the total estimated cost of the work it shall be lawful for Nashik Municipal Corporation at the time of making any payment to the contractor for work done under the contract to make up the full amount of the percentage mentioned in detailed tender notice, by deducting a sufficient sum from every such payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sums of money payable by the contractor to Nashik Municipal Corporation under the terms of his contract may be deducted from or paid by the sale of sufficient part of his security deposit or from the interest arising therefrom, or from any sums which may be due or may become due by Nashik Municipal Corporation to the contractor under any other contract or transaction of any nature on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall, within 10 days thereafter, make good in cash or Govt. securities endorsed as aforesaid any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof. The security deposit referred to, when paid in cash may, at the cost of the depositor be converted into interest bearing securities provided that depositor has expressly desired this in writing. If the amount of the security

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		Govt. securities endorsed as aforesaid any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof. The security deposit referred to, when paid in cash may, at the cost of the depositor be converted into interest bearing securities provided that depositor has expressly desired this in writing. If the amount of the security deposit to be paid in a lumpsum within the period specified at (A) above the tender/contract already accepted shall be considered as cancelled and legal steps taken against the contractor for recovery of the amounts. Security deposit lodged by a contractor shall be refunded as per the details mentioned in Detailed Tender Notice. In the event of the contractor failing or neglecting to complete rectification work within the period up to which the contractor has agreed to maintain the work in good order. then subject to provisions of Clauses 17 & 20 hereof the amount of Security Deposit retained by Nashik Municipal Corporation shall be adjusted towards the cost incurred by department on rectification work.	deposit to be paid in a lumpsum within the period specified at (A) above the tender/contract already accepted shall be considered as cancelled and legal steps taken against the contractor for recovery of the amounts. Security deposit lodged by a contractor shall be refunded as per the details mentioned in Detailed Tender Notice. In the event of the contractor failing or neglecting to complete rectification work within the period up to which the contractor has agreed to maintain the work in good order, then subject to provisions of Clauses 17 & 20 hereof the amount of Security Deposit retained by Nashik Municipal Corporation shall be adjusted towards the cost incurred by department on rectification work.
6	**6.24 Subletting of Work**	Not allowed	1. **For civil works subletting of work is not allowed.** 2. For electrical works, If the construction contractor does not have a license to carry out electrical work and fulfilling all the conditions mentioned as per clause 2.4 (Conditions of Electrical work) in such cases, the construction contractor may enter into subcontract with an electrical contractor holding a license, as per the conditions mentioned in NIT . Such works shall be executed in consultation with Electrical Department, NMC.
7	**2.4 Conditions for Electrical Work**	List Of Approved Makes for Electrical Works Sr. No 1 to 21	In addition to List of Approved Makes for Electrical Works Sr. No 1 To 21, Sr. No 22. Added as: - Octagonal Pole- Bajaj / Valmont /Crompton/ Vakrangee.

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Asphalt Roads			
8	Eligibility Criteria, - **Sr No 1 – (b)**	**Asphalt Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA. The tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for.	**Asphalt Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. **Within 50 days from the date of LOA.** The tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for. **Note: Already approved distance certificate up to validity period are valid for these tenders.**
9	Eligibility Criteria, **Sr. no. 2, Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled):**	**Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled):** The Electronic Sensor Paver Finisher shall be equipped with an electronic sensing device and shall conform to Clause 504.3.5 of the MORTH Standard Specifications. The machine shall have a minimum 9.00 metres width and shall be capable of laying bituminous layers with a minimum lift thickness of 75 mm.	**Hydraulic Paver Finisher with Automatic Electronic Sensor Device (SCADA enabled):** The Electronic Sensor Paver Finisher shall be equipped with an electronic sensing device and shall conform to Clause 504.3.5 of the MORTH Standard Specifications. The machine shall have paving capacity of **minimum basic 5.5 meter width with extendable arrangement beyond 5.5 meter** in single operation and shall be capable of laying bituminous layers with a minimum lift thickness of 75 mm.
Concrete Roads			
10	Eligibility Criteria, - **Sr No 1 – (b)**	**Concrete Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming	**Concrete Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. **Within 50 days from the date of LOA**, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned

		that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for compliance.	outright by the tenderer/bidder and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for compliance. **Note: Already approved distance certificate up to validity period are valid for these tenders.**
11	Eligibility Criteria, **Sr. no. 2, Hydraulic Concrete Paver (with SCADA):**	**Hydraulic Concrete Paver (with SCADA):** The slip form paver shall conforming to Clause 602 of MORTH and IRC:SP:64, with automatic electronic sensor control for line, level, and thickness. It shall be capable of laying CC pavement up to 7.5 m width and 300 mm thickness in a single pass, equipped with vibrators for full compaction.	Hydraulic Concrete Paver: The slip form paver shall confirming to Clause 602 of MORTH and IRC: 15/2017, with automatic electronic sensor control for line, level, and thickness with DBI, TBI and TCM. It shall be capable of laying CC pavement **of minimum 5.5 meter width with extendable arrangement and 300 mm thickness** in a single operation, equipped with vibrators for full compaction.
12	Eligibility Criteria, **Machinery**	**Concrete Transit Mixer (with SCADA): 07 Nos, Owned** The Transit Mixer shall be truck-mounted, with a minimum capacity of 6 m^3, conforming to relevant IS standards. It shall be equipped with a water dosing system, revolution counter, and control for monitoring operational parameters such as rotation speed, drum revolutions, transit time, and temperature of concrete, ensuring proper mixing, uniformity, and quality during transportation and placement.	**Concrete Transit Mixer (with SCADA): 07 Nos (05 Owned + 02 hired)** The Transit Mixer shall be truck-mounted, with a minimum capacity of 6 m^3, conforming to relevant IS standards. It shall be equipped with a water dosing system, revolution counter, and control for monitoring operational parameters such as rotation speed, drum revolutions, transit time, and temperature of concrete, ensuring proper mixing, uniformity, and quality during transportation and placement.
Asphalt + Concrete Roads			
13	Eligibility Criteria, - **Sr No 1 – (b)**	**Asphalt Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA. The tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or	**Asphalt Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Asphalt Batch Mix Plant having a minimum capacity of 80 TPH with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. **Within 50 days from the date of LOA**. The tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder, and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for.

		affidavit shall be accepted, and no extension of time shall be granted for.	**Note: Already approved distance certificate up to validity period are valid for these tenders.**
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15	Eligibility Criteria, - **Sr No 1 – (b)**	**Concrete Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. Within 45 days from the date of LOA, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for compliance.	**Concrete Batch Mix Plant** After issuance of the Letter of Acceptance (LOA), it shall be compulsory for the tenderer/bidder to arrange, shift, and install his own stationary/mobile Concrete Batch Mix Plant of the above specification and minimum 60 Cu.m. per hour capacity with SCADA within 30 km of Rajiv Gandhi Bhavan, Nashik. **Within 50 days from the date of LOA**, the tenderer/bidder shall submit a certificate issued by the Executive Engineer, Quality Control Department, Nashik Municipal Corporation, confirming that the said plant has been installed within the stipulated period, is owned outright by the tenderer/bidder and is located within the specified 30 km limit. No arrangement through rent, lease, joint venture, tie-up, or affidavit shall be accepted, and no extension of time shall be granted for compliance. **Note: Already approved distance certificate up to validity period are valid for these tenders.**
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17	Eligibility Criteria, **Machinery**	**Concrete Transit Mixer (with SCADA): 07 Nos, Owned** The Transit Mixer shall be truck-mounted, with a minimum capacity of 6 m^3, conforming to relevant IS standards. It shall be equipped with a water dosing system, revolution counter, and control for monitoring operational parameters such as rotation speed, drum revolutions, transit time, and temperature of concrete, ensuring proper mixing, uniformity, and quality during transportation and placement.	**Concrete Transit Mixer (with SCADA): 07 Nos (05 Owned + 02 hired)** The Transit Mixer shall be truck-mounted, with a minimum capacity of 6 m^3, conforming to relevant IS standards. It shall be equipped with a water dosing system, revolution counter, and control for monitoring operational parameters such as rotation speed, drum revolutions, transit time, and temperature of concrete, ensuring proper mixing, uniformity, and quality during transportation and placement.
18	Tender Notice No. 03	13. Development of Trimbak road from Khadkali Signal to Trimbak Naka to ITI Signal (connects both Nashik and Trimbak Kumbha Mela sites/parking) 14. Development of Trimbak Road from ITI Signal to Pimpalgaon Bahula up to NMC limits (connects both Nashik and Trimbak Kumbha sites/parking)	The Tender Process for these Two works has been cancelled.

Note :- The Last date of Tender Submission is being extended till dt. /10/2025.

The Common Set of Deviations (CSD) shall form the part and parcel of the Tender document. The contents of CSD papers will supersede all other conditions what so ever mentioned elsewhere. The bidder should submit these papers of CSD duly signed by authorized person along with tender document as a token of acceptance and scanned copy to upload online in Technical bid. All other terms and conditions remain unchanged.

Executive Engineer
Municipal Corporation

Executive Engineer
Nashik Municipal Corporation

City Engineer
Nashik Municipal Corporation

Additional Commissioner
Nashik Municipal Corporation

Commissioner
Nashik Municipal Corporation

दि. /१०/२०२५

मा.सादर

विषय- सिंहस्थ कुंभमेळा-२०२७ चे अनुषंगाने निविदा सुचना क्र.३ मधील १८ कामांचे Corrigendum / Addendum प्रसिध्द करणे बाबत.

सिंहस्थ कुंभमेळा-२०२७ चे अनुषंगाने नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचे दि.१४/९/२०२५ एकूण २१ कामंन्न प्रशासकीय मंजुरी प्राप्त झाली असून त्यापैकी १८ कामांच्या निविदा प्रसिध्द सुचना क्र.३ (२०२५-२६) अन्वये प्रसिध्द करणेत आल्या आहेत. त्याअनुषंगाने दि.२६/०९/२०२५ रोजी ऑन लाईन पध्दतीने निविदा पुर्व बैठक आयोजित करणेत आली होती. सदर बैठकीच्या अनुषंगाने प्राप्त हरकती / सुचना यास अनुसरून परिशिष्ट-अ तयार करण्यात आले असून त्यामध्ये सर्व हरकती / सुचना व त्यावर नाशिक महानगरपालिकेचा खुलासा नुसार CSD (Commons Set of Deviation) प्रसिध्द करणेत आले होते.

तथापी सदर कामाच्या निविदा अटी शर्ती मध्ये मा.आयुक्त सो. यांनी दुरुस्ती करणे बाबत सुचित केल्याने त्यानुसार सिंहस्थ कुंभमेळा-२०२७ चे अनुषंगाने निविदा सुचना क्र.३ मधील १८ कामांचे Corrigendum / Addendum प्रसिध्द करणेस मंजुरी मिळणेस विनंती.

कार्यकारी अभियंता (बांध)

मा.शहर अभियंता सो.

NASHIK MUNICIPAL CORPORATION, NASHIK
CORRIGENDUM / ADDENDUM

For All Works Under Tender Notice No:-3 (2025-2026)

Nashik Municipal Corporation has invited bids for eighteen (18) works under Tender Notice No. 03 (2025-26). A Pre-Bid Meeting for the same was conducted online on 1/10/2025 at 16:00 hours. The meeting was attended by the following bidders:

Pursuant to discussions during the meeting, a common set of deviation was issued on 10/10/2025. It is necessary to issue a addendum/ corrigendum to the CSD for the following clause.

STAR RATE FOR BASIC MATERIALS:-

The basic rates (star rates) for **cement, steel, and bitumen** are as given below. For any increase or decrease in these basic rates during the operative period of the contract,the difference between the basic rate and the prevailing market rate shall be paid to or recovered from the Contractor, as applicable.

For determining the rate difference of cement, steel, and bitumen for the quantities used as per work done,the Contractor shall produce sufficient proof of purchase in the form of:

- Manufacturer's authorised challan/gate pass,
- Excise challan mentioning quantity, grade, and date of delivery,
- GST-paid receipts,
- Or refinery's authentic challan (for bitumen).

The Contractor must produce authentic purchase vouchers from the manufacturing company, supported by matching vouchers of the authorised dealer of the same brand and lot,bearing the same date.

The decision of the **Engineer-in-Charge** regarding the authenticity of documents and the determination of the **lowest market operative price** of cement, steel, or refinery rate of bitumen shall be **final and binding** on the Contractor.

No claim shall be entertained for materials purchased from unauthorised dealers or on the basis of unverified or incomplete documents.

(I) Formula for Bitumen Component

$$V1 = QB \times (B1 - Bo)$$

Where:

- **V1** = Amount of cost variation in Rupees for bitumen component
- **QB** = Quantity of bitumen (grade) in metric tonnes used in the works during the period
- **B1** = Current ex-refinery price per metric tonne of bitumen (excluding GST) during the relevant period
- **Bo** = Star rate (basic rate) of bitumen = **₹49,862/- per MT (VG-30 Bulk)**

(II) Formula for Cement Component

$$V2 = \frac{Co \times (CI1 - CIo)}{CIo} \times T$$

Where:

- **V2** = Amount of cost variation in Rupees for cement component
- **Co** = ₹6,000/- per MT (basic rate)
- **CI1** = Average Cement Index (RBI Bulletin) for the quarter under consideration
- **CIo** = Average Cement Index (RBI Bulletin) for the quarter preceding the last date of tender submission
- **T** = Tonnage of cement used in permanent works for the quarter under consideration

(III) Formula for TMT Steel (Other Plant) Component

$$V3 = \frac{So \times (SI1 - SIo)}{SIo} \times T$$

Where:

- **V3** = Amount of cost variation in Rupees for TMT steel
- **So** = ₹61,000/- per MT (basic rate)
- **SI1** = Average Steel Index (RBI Bulletin) for the quarter under consideration
- **SIo** = Average Steel Index (RBI Bulletin) for the quarter preceding the last date of tender submission
- **T** = Tonnage of steel used in permanent works for the quarter under consideration

Additional Conditions

i) Operative Period:

The operative period of the contract shall commence from the date of issue of the Work Order and end on the date of completion of the work as per the contract period, including any extensions of time granted by the Engineer (except where delay is due to the Contractor's default).The decision of the Engineer-in-Charge regarding the operative period shall be **final and binding**.

If compensation for delay or inadequate progress is levied under the relevant clause, the **price adjustment** for the balance of work from the date of levy of such compensation shall be worked out by **pegging indices (L1, M1, C1, P1, B1, S1, C1)** to the level corresponding to the date from which such compensation is levied.

ii) Frequency of Adjustment:

Cost variation shall be determined **quarterly** as per the above formulas.

iii) **Extra Items:**

Price adjustment under this clause shall **not apply** to extra items executed during the course of the work.

iv) **Operative Both Ways:**

This clause shall operate both ways-If variation is on the plus side, payment shall be made to the Contractor; if on the minus side, recovery shall be effected by NMC from the Contractor.

v) **Full Compensation Clause:**

To the extent that full compensation for any rise or fall in cost is not covered under this or other clauses,the unit rates and prices quoted by the Contractor shall be **deemed to include contingencies** for such other actual rises or falls in cost.

All bidders are mandatorily required to upload a signed copy of the Common Set of Deviations (CSD), Addendum, Corrigendum along with their bid as a token of acceptance. Bids submitted without a signed copy of the CSD shall be considered invalid and will be summarily rejected.

City Engineer
Nashik Municipal Corporation,
Nashik

NASHIK MUNICIPAL CORPORATION, NASHIK

CORRIGENDUM / ADDENDUM - 3

For All Works Under Tender Notice No:-3 (2025-2026)

Nashik Municipal Corporation has invited bids for eighteen (18) works under Tender Notice No. 03 (2025-26). A Pre-Bid Meeting for the same was conducted online on 1/10/2025 at 16:00 hours.

Pursuant to discussions during the meeting, a common set of deviation was issued on 10/10/2025. It is necessary to issue a addendum/ corrigendum to the CSD for the following.

Sr.No	CLAUSE	ORIGINAL CLAUSE DETAILS	SHALL BE READ AS
1	Detailed Tender Notice, Sr. No.6, Date of Submission of :-Tender	The bids shall be submitted online through the e-tendering system on www.mahatender.gov. in for above work on or before date 10/10/2025 upto 15.00 hrs.	The bids shall be submitted online through the e-tendering system on www.mahatender.gov. in for above work on or before date **17/10/2025 upto 15.00 hrs.**

All bidders are mandatorily required to upload a signed copy of the Common Set of Deviations (CSD), Addendum, Corrigendum along with their bid as a token of acceptance. Bids submitted without a signed copy of the CSD shall be considered invalid and will be summarily rejected.

Executive Engineer
Nashik Municipal Corporation

City Engineer
Nashik Municipal Corporation

Additional Commissioner
Nashik Municipal Corporation

Commissioner
Nashik Municipal Corporation

ANAND CONSTRUWELL PVT. LTD. NASIK

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

Affidavit

Clause for Non Black Listing

We Anand Construwell Pvt.Ltd having Registered Office at Nashik, PAN Number AAFCA7736H Affirm in writing that, I Navinchandra Premchand Chokasi Director of Anand Construwell Pvt.Ltd, company, constituted Under company act & having registered under Registration no. 11-102326-1996 have Submitted the tender for the work of Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Chandak Circle to Mahamarg Bus Stand (Ghat approach/ parking connection)

Tender Notice No.03/09 (2025-26) Tender ID: 2025_NMC_1221768_9

We declare that as on date neither our company is black listed nor any action of deregistration has been taken against our company by any Government / Semi-Government / Public Sector Undertaking / Urban Local body/ Municipal Corporation etc.

If our above statement is found misleading, false and incomplete then we will be responsible and will remain responsible for legal action taken by Executive Engineer, Public Works Department, Nashik Municipal Corporation, Nashik. and will remain responsible for prosecution under Indian Penal Code.

Date:-29.09.2025

Place: - Nashik.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt. Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. | Tel. : +91 253 2513211
+91 253 2517212 | Mobile : +91 9822011517 | E-Mail : acpinsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI | CIN No. : U70100MH1996PTC102326

DECLARATION OF THE CONTRACTOR

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Chandak Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9
Tender Notice No. 03/09 (2025-26)

We hereby declare that we have made ourselves thoroughly conversant with the local conditions regarding all materials (such as stone, murum, sand etc.) and labour on which we have based our rates for this work. The specifications, conditions and lead of materials of this work have been carefully studied and understood by us before submitting this tender. We undertake to use only the best materials complying to schedule B and detailed specifications of said items, and approved by the Engineer in Charge, Nashik Municipal Corporation, Nashik or his duly authorised assistant before starting the work and to abide by his decision.

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt.Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
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+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

DECLARATION

Name of Work: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Chandak Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Tender ID: 2025_NMC_1221768_9
Tender Notice No. 03/09 (2025-26)

We hereby declare that we have thoroughly acquainted myself/ourselves with the local conditions relating to availability of materials, labour, and all other factors on which we have based the rates quoted in this tender. We have carefully studied and understood the specifications. Drawings and lead statements pertaining to this work before submitting the tender.

We further undertake to use only the best quality materials, duly approved by the Engineer- in charge or his authorized representative, during the execution of the work, and to abide by their decisions and directions in all respects.

We also agree and confirm that no claim whatsoever shall be made by me/us at later stage on account of lack of knowledge of site conditions, specifications, or any other circumstances affecting the execution of the work.

Place: Nashik
Date: 29.09.2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt.Ltd.

Director
Mr. Navinchandra P. Chokasi

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

Undertaking

Name of Work: - Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/ parking connection)

Tender ID: 2025_NMC_1221768_9
Tender Notice No. 03/09 (2025-26)

I, the undersigned do hereby undertake that our firm **Anand Construwell Pvt. Ltd.** agree to abide by this bid for a period 120 days for the date fixed for receiving the same and it shall be binding on us and may be accepted at any time before the expiration of that period.

Name of Firm: - Anand Construwell Pvt. Ltd
Ramchandra Apartment,
Makhamalabad Naka,
Panchavati, Nashik-422003
Phone No: 0253-2513211, 2517212
Fax No: - 0253-2517213

Date: 29.09.2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt. Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
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GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

UNDERTAKING FOR MAN POWER

We hereby give undertaking that considering the nature of work, we have sufficient experienced and skilled Key Technical personnel's and field staff required as per requirement. The additional expertise if required will be arranged by us to complete the entire work within the scheduled time frame.

The undertaking is being issued in the interest of the work and for timely completion of the project.

Date: 29/09/2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt. Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office, Makhmalabad Naka, Panchavati, Nashik 422003. | Tel. : +91 253 2513211 +91 253 2517212 | Mobile : +91 9822011517 | E-Mail : acplnsk@gmail.com GST Reg. No. : 27AAFCA7736H1ZI | CIN No. : U70100MH1996PTC102326

UNDERTAKING FOR MACHINERY

We hereby declare that the machineries will be deployed immediately on award of contract. This machinery will solely be used for this work only. The above machineries are in my possession and/ or the owner of the machineries has given the consent to deploy these machineries for this work. We hereby the fitness certificate may be submitted by the bidder before issuance of LOA give undertaking that during execution, if additional or other type of Machinery is required to be deployed on site (as per instruction of Engineer-in-charge), the same shall be deployed by hiring or other means to complete each work in time schedule.

The undertaking is being issued in the interest of the work and for timely Completion of the project.

Date: 29/09/2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt. Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office, Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211 +91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

UNDERTAKING FOR ELECTRICAL CONDITIONS

We assure you that, if the work is awarded to us, we will, within 15 days from the date of receiving the work order as per the tender conditions, execute a subcontract agreement with the electrical contractor and submit the same along with the required documents to you. We will also complete the work as per the terms of the tender.

Date: 29/09/2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Anand Construwell Pvt. Ltd.

Director

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
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GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

PROFORMA OF SUBMISSION OF TENDER

Ref No. ACPL/ADM/25-26 -01 Dated: 29.09.2025

The Commissioner,
Nashik Municipal Corporation,
Rajiv Ganbdhi Bhavan,
Sharanpur Road,
Nashik.

Sub: - Development of Road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Mahamarg Bus Stand (Ghat approach/parking connection)

Dear Sir,

1. Having obtained tender documents for the work under reference and having examined specifications and conditions of contract, we hereby offer to perform, provide, execute, complete the work in conformity with the Tender notice, Instructions, to the tender, General Conditions of Contract, Special Conditions of contract. Technical Specifications, drawings, CSD and the price-bid/ amount as quoted in the tender documents, within the stipulated time.
2. We have satisfied ourselves as to the location of the site and working conditions examined the requirements of NMC and have obtained all the information necessary for the successful timely completion of the work.
3. We also agree to submit a detailed work programme to complete the work in stipulated period.

CONSTRUWELL PVT. LTD. NASHIK

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office, Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211 +91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

4. We have deposited earnest money deposit with you, which shall not to bear any interest. We hereby agree that this amount shall stand forfeited in the event of our tender being acceptance and our failure to execute the contract when called upon to do so within stipulated time. During the validity period of offer, if we withdraw or modify our offer, then Corporation (NMC) would be at Liberty to forfeit Earnest Money deposited by us. We also hereby agree to treat the sum as part of security deposit on our signing the contract.

5. We understand you are not bound to accept the lowest tender nor are you required to assign any reasons for rejection of our tender. We understand that our offer is valid for one hundred and twenty (120) days from the date of submission of tender or till we withdraw the offer in writing after 120 days of submission of tender.

Thanking you,

Date: 29.09.2025

ANAND CONSTRUWELL PVT. LTD. NASHIK

Yours faithfully
Anand Construwell Pvt.Ltd.

Director

HDFC BANK

HDFC Bank Limited
Shop No.3,
Swastik Trade Center,
Opp Fame Talkies,
Nashik-Pune Road, Nashik,
Maharashtra - 422 011.

SOLVENCY CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to state that to the best of our knowledge and information that **ANAND CONSTRUWELL PVT. LTD.,** having registered addressed Ramchandra Apartment, Makhamalabad Naka, Panchavati, Nashik-422 003 & a customer of our Bank is respectable, Solvent and can be treated as good up to a sum of **Rs. 41,00,00,000/- (Rupees Forty One Crores only).**

This certificate is issued at the request of Anand Construwell Pvt. Ltd.

It is clarified that this information is furnished without any risk and responsibility on the part of our Bank of any of its officials in any respect whatsoever more particularly either as guarantor or otherwise.

Date :- 06/10/2025

Place :- Nashik

For HDFC Bank Ltd.

44290

HDFC BANK LTD. INFRASTRUCTURE FINANCE

Authorised Signatory

HDFC BANK

HDFC Bank Limited
Shop No.3,
Swastik Trade Center,
Opp Fame Talkies,
Nashik-Pune Road, Nashik,
Maharashtra - 422 011.

Date : 03/10/2025

BANK CERTIFICATE

This is to certify that **Anand Construwell Pvt. Ltd. Nashik** is a reputed company with a good financial standing.

If the contract for the work namely **Development of road from KTHM college Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) Circle to Chandak Circle to Mahamarg Bus Stand (ghat approach/ parking connection)** is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of **Rs.12,02,02,352/-** to meet their working capital requirements for executing the above contract during the contract period.

HDFC BANK LTD. INFRASTRUCTURE FINANCE

(Signature)
Name of Bank –HDFC Bank Ltd.
3rd Floor, Nakshatra Hub,
Pipeline Road, Gangapur road,
Nashik - 422013.

ANAND CONSTRUWELL PVT. LTD. NASHIK

9. कर्मचारी भविष्य निधि योजना परिवार पेन्शन योजना तथा निक्षेप सहबद्ध बीमा योजना 1976 के अन्तर्गत सभी निर्धारित प्रपत्र भविष्य निधि निरीक्षक के कार्यालय में उपलब्ध है और आपकी पहचान पर उसकी पूर्ति की जाएगी। योजना के निर्धारित विभिन्न प्रपत्रों का संक्षिप्त विवरण अनुलग्नक "ए" में दिया है। शीघ्र गणक भी इसके साथ संलग्न है।

8. All the forms prescribed under the Employees' Provident Funds Scheme, the Family Pension Fund Scheme and the Deposit Linked Insurance Scheme 1976 are available in the Provident Fund Inspector' Office and will be supplied on receipt of your indent. A summary of the various froms prescribed under the Scheme is given as Annexure 'A'. A ready reckoner is also enclosed.

10. इसके अलावा आपको सेवा में लिए गये प्रत्येक कर्मचारी से प्रपत्र सं 11 में विवरण प्राप्त करना होगा जिससे वह पहले भविष्य निधि योजना का सदस्य था या नहीं इसका पता चल सके। सदस्यता के लिये अनिवार्य योजना को अंगीकृत करने हेतु प्रतिष्ठान असदस्य कर्मचारियों के बारे में पात्रता रजिस्टर रखेगी।

10. Besides, you should also take a declaration in form No. 11 form every employee who is taken in employment to ascertain as to whether or not he was already a member of the Provident Fund Scheme.

11. निम्नलिखित प्रारूप के अनुसार एक निरीक्षण पुस्तिका रखी जाए एवं टीका-टिप्पणी दर्ज करने के लिए इसे भविष्य निधि निरीक्षक को प्रस्तुत किया जाए।

11. An Inspection book in the following proforma may also be maintained and produced to the Provident Fund Inspector for recording his observations :-

1. भविष्य निधि निरीक्षक का नाम _____

(i) Name of the Provident Fund Inspector .....

2. जांच किये गये लेखा की अवधि _____

(ii) Period for which accounts are checked .....

3 भेंट की तारीख _____

(iii) Date of visit .....

4 टीका टिप्पणी _____

(iv) Observations .....

12. उपयुक्त पारा 2- के अनुसार आपकी फैक्ट्री/स्थापना के लिए एम्/एच्/_____ यह संकेत संख्या नियत की है। सदस्यों की लेखा संख्या प्रपत्र संख्या 9 और प्रपत्र संख्या 3 (प. पे. नि.) के अनुसार क्रमशः होगी। एतद् अनुसार सदस्यों की वैयक्तिक लेखा संख्या एम्/एच्/_____/1, एम्/एच्/_____/2, एम्/एच्/_____/3, और इसीप्रकार इत्यादि होगी। एक बार एक सदस्य को नियत की गई लेखा संख्या किसी भी मामले में दूसरे सदस्य के लिए नियत नहीं की जाएगी। (जिस सदस्य को लेखा संख्या दी गई है उसने आपकी सेवा त्याग देने पर भी)

12 As Stated in para 2 above, the code number allotted to your factory/establishmen is MH/.....The account number of the individual members will be suffixed by the serial numbers in which they appear in Form No. 9, Form No. 3 (PPF). Thus the Account number of individual members will be MH/...../1. MH/...../2 MH/...../3, and so on. An account number once allotted to a member should in no case be allotted to another member, even thought the member bearing Account number may have left your establishment.

13. यह सुनिश्चित किया जाए की निधि को देय राशी निर्धारित समय में भरती है । विलंबित अदायगी कर्मचारी भविष्य निधि एवं प्रकिर्ण उपबन्ध अधिनियम की धारा 14-बी के अनुसार सौ प्रतिशत क्षतिपूर्ण के लिए उत्तरदायी होगी ।

14. It is important to ensure that the amount due to the Fund is paid within the prescribed time limit. Delayed payments are liable to damages upto hundred percent of the arrears as provided in Section 14B of the Employee's Provident Funds and Miscellaneous Provisions Act, 1952.

14. इसके अतिरिक्त देयता की अदेयगी तथा विवरणियों की अ-प्रस्तुति के लिए अभियोग भी चलाया जाएगा ।

14. returns. Besides, Prosecution could also lie for non-payment of dues and for non-submission of

15. इस कार्यालय के निरिक्षक आपकी स्थापना की भेट देंगे । इसलिए आपसे निवेदन है कि उन्हे आवश्यक सहयोग दें । तथापि, अगर आपको कोई कठिनाई महसूस हो या आप कि ी प्रकार के मार्गदर्शन की अपेक्षा रखते है, तो इस कार्यालय को या निम्नलिखित पते पर भविष्य निधि निरिक्षक को लिख सकते है ।

16. An Inspector of this office, will be visiting your establishment. You are requested to please afford him necessary co-operation. However, if you experience any difficulty or desire any guidance, you may please write to this office or the Provident Fund Inspector whose address is given below.

श्री/श्रीमती _____

भविष्य निधि निरीक्षक

_____

_____

भवदीय,

क्षेत्रीय भविष्य निधि आयुक्त
महाराष्ट्र तथा गोवा

Provident Fund Inspector

_____

_____

Please acknowledge receipt of this communication.

Yours faithfully,

( )
Regional Provident Fund Commissioner
Maharashtra and Goa.

संलग्नक :

ened.

1. संकेत संख्या के आवंटन सम्बन्धित सूचना
1. Instruction regarding allotment of A/c number and filing up of scheme.

2. Instructions regarding transfer of previous Provident Fund accumulations and transfer of securities.

3. Reday Reckoner for calculating P. F. contributions/F. P. contribution/Deposit Linked Insurance contribution.

लेखा संख्या के आवंटन सम्बन्धि सूचना
INSTRUCTION REGARDING ALLOTMENT OF ACCOUNT NUMBER

फैक्ट्री स्थापना की संकेत संख्या के अन्तर्गत योगदानी कर्मचारी को लेखा संख्या क्रमिक रूप से होगी । प्रत्येक फैक्ट्री/स्थापना अपना खुद का क्रमसंख्या दर्शाएगी जिस निधि के जितने योगकर्ता है उतनी ही क्रमसंख्या होगी । फैक्ट्री/स्थापना की संकेत संख्या आवंटन के पहले जोडनेपर सम्बन्धित कर्मचारी/योगकर्ता का भविष्य निधि का पूर्ण लेखा संख्या तैयार होगी । उदाहरण के तौरपर, अगर आपकी फैक्ट्री/स्थापना में 52 योगकर्ता है तो उनकी पूर्ण भविष्य निधि लेखा संख्या एमएच/306/1, एमएच/306/2, एमएच/306/3 और इसी तरह आगामी एमएच/306/52 तक होगी । जिसके एमएच/306 यह फैक्ट्री/स्थापना की अ-परिवर्तनीय संकेत संख्या सूचित है और संकलनात्मक क्रमांक योगकर्ता के लिए निश्चित की गयी लेखा संख्या सूचित करती है । एकत्र संख्या की तरह योगकर्ता को एक बार निश्चित की गयी लेखा संख्या भी अपरिवर्तनीय होगी । योगकर्ता ने सेवा त्याग देनेपर उसका लेखा बंद हो गया हो तो बन्द लेखा किसीका संख्या रिक्त रखी जाए । उसे किसी अन्य कर्मचारी के लिए फिर से निश्चित न की जाए । योगकर्ता का फैक्ट्री/स्थापना से स्थानांतरण होनेपर, जिस फैक्ट्री/स्थापना में वह कार्य करता था, वहाँ उसकी लेखा संख्या अस्तित्व रहेगा लेकिन किसी अन्य को निश्चित नहीं की जाएगी । सेवानिवृत्ति निधि मानुसन और फैक्ट्री/स्थापना के बीच होनेवाले पत्राचार में योगकर्ता को लेखा संख्या उद्धृत की जाएगी ।

The employee' subscriber's account number will be a running number under the code number of the factory/establishment. Each factory/establishment having a serial of its own and as many numbers in the serial as there are subscribers to the Fund. The runing numbers prefixed with the code number of the factory/establishment will be the full Provident Fund Account Number of the employee/subscriber concerned. For example, if there are 52 subscribers in a factory/establishment their full Provident Fund Account Numbers will be MH/306/1, MH/306/2, MH/306/3, and so on till MH/306,where MH/306 denotes the unalterable factory/establishment's code number and the running numerical number denote the Account Number allotted to each subscriber. Like the code number, the account number, once allotted to the subscriber will not be changed, when he quits service and his account is closed, the number of the closed account will be left blank and WILL NOT BE RE-ALLOTTED TO ANY NEW MEMBER. On transfer of a subscriber from one factory/establishment he joins and his account number in the factory/establishment in which he was last employed will become inoperative and will not be reallotted to any one. The Account Number of each subscriber must be quoted in all correspondence between the Regional Provident Fund Commissioner and the factory/establishment and vice versa.

MAHARASHTRA LABOUR WELFARE BOARD

Hutatma Babu Genu Mumbai Girni Kamgar Krida Bhavan,
Senapati Bapat Road, Prabhadevi, Mumbai - 400 013
Tel.: 022-433226818 Email mlwbconteeg@gmail.com

Subject to Realisation of Payment

RECEIPT

To		
NANSKA000080 ANAND CONSTRUWELL PVT.LTD. RAMCHANDRA APARTMENT MAKHAMALABAD NAKA, PANCHAVATI NASIK-422003	Rec. No. Rec. Dt. By Total Rs.in words	915823 16/07/2025 ONLINE PAYMENT Nine Thousand Only.

Received from the above Establishment Employees' and Employer's Contribution, With interest as per details below:

Refer/Chq/DD No.: BBBCMN40QJP7ZV Refer/Chq/DD Date: 16/07/2025 Amount: 9000.00 Bank:

Slab No.	Period	Emp	EEC	ERC	P.I
2	06-2025	90	2250.00	6750.00	0.00

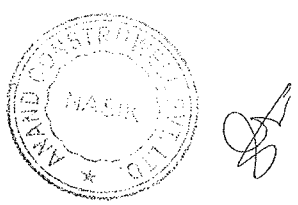
Please note the overleaf instruction for any payment / correspondence
Prepared & Issued by

ANAND CONSTRUWELL PVT. LTD. NASIK

Welfare Commissioner
Maharashtra Labour Welfare Board

Transaction Acknowledgment Receipt

Transaction Id	: 1639593
Payment Transaction Id	: BBBCMN40QJP7ZV
Amount(in INR)	: 9000.00
Payment Date	: 16/07/2025
Payment To	: Maharashtra Labour Welfare Board
Payment Status	: Success



FORM I – A

CERTIFICATE OF REGISTRATION UNDER SUB-SECTION (1) OF SECTION OF THE MAHARASHTRA STATE TAX ON PROFESSIONS, TRADERS, CALLINGS AND EMPLOYMENTS ACT, 1975.

[See rule 3(2)]

P. T. R. C. number : **27530001742P**

This is to certify that the **PVT. LTD. CO.** known as **M/S. ANAND CONSTRUWELL PVT. LTD.** and located at RAMCHANDRA APARTMENT, MAKHAMALABAD NAKA, PANCHAVATI, NASHIK **City:NASHIK (M CORP.), 422003, Taluka:NASHIK , District: NASHIK, MAHARASHTRA, India** has been registered as an employer under the Maharashtra State Tax on Professions, Trades, Callings and Employments Act, 1975.

The holder of this certificate has additional places of work at the following addresses:

No Additional Places of business present

Return in the prescribed form shall be furnished by the employer in respect of each month separately. The tax shall be payable monthly with the return and receipted challan in token of payment of the tax shall be attached to the return.

Profession Tax Officer Nashik

Place: Nashik.

Date: 20/03/2013

20/03/2013

Signature: Pramod M. Kakad

Profession Tax Officer

NAS - PTO-001

Designation: Nashik Division,Nashik.

ANAND CONSTRUWELL PVT. LTD. NASHIK

FORM II-A

CERTIFICATE OF ENROLMENT UNDER SUB-SECTION (2) OR SUB-SECTION (2A) OF SECTION 5 OF THE MAHARASHTRA STATE TAX ON PROFESSIONS, TRADES, CALLINGS AND EMPLOYMENTS ACT, 1975.

P.T.E.C Number : **99800902457P**

This is to certify that ANAND CONSTRUWELL PRIVATE LIMITED engagedin/employment with profession/Trade/Calling known as /as a ANAND CONSTRUWELL PRIVATE LIMITED located at RAMCHANDRA APARTMENT, MAKHAMALABAD NAKA, PANCHAVATI, NASHIK-422003 **MAHARASHTRA , INDIA**

owns/operates **is a person covered by the entry no 18** and has been enrolled under the Maharashtra state Tax on Professions,Trades,Callings and Employments Act,1975.
The holder of this certificate has additional places of work at the following addresses:-
No Additional place of business present

The holder of this certificate shall pay the tax at the rate of Rs. (in figures) **NIL** ( ) immediately and Rs ((in figures) **2500.00** per annum on or before the 30 th June of every year and Rs. (in figures) **2500.00** on or before 12 APR-**2013** for the current year in the manner prescribed in the rule 20 of the Maharashtra State Tax on Professions,Trades, Callings and Employments Act, 1975.

Profession Tax Officer Nashik

Place : NASHIK
Date : 21/03/2013

Signature :
Pramod M. Kakad
Profession Tax Officer
NAS - PTO-001
Designation Nashik Division,Nashik.

Annexure
Tax Clearance/ Dues Certificate

OFFICE OF THE:
PROFESSION TAX OFFICER
NAS-PTO-C-003
3RD FLOOR,
NASHIK JILHA KRUSHI
AUDYOGIK SANGH BUILDING,
DWARKA, NASHIK-422011

To,

M/s. ANAND CONSTRUWELL PVT LTD
RAMCHANDRA APARTMENT, MAKHAMALABAD NAKA,
PANCHAVATI , NASHIK 422003.

No. PTO/NAS-C-003/Clearance/ B- 883 Nashik Date: 01/07/2021.

Subject: Tax Clearance Certificate for PT Act,1975

Name of the Dealer/person	**M/s. ANAND CONSTRUWELL PVT LTD**
EC Number under PT Act, 1975	-
RC Number under PT Act, 1975	**27530001742P**
Address of the place of business/place of work	As above

Details of tax Dues for PTRC:

Sr. No	Period	Amount of tax dues as per returns	Remarks
1	2019-20	NIL	Dealer has filed e- returns and paid Profession Tax (PTRC) accordingly.
2	2020-21	NIL	Dealer has filed e- returns and paid Profession Tax (PTRC) accordingly.

Profession Tax Officer Nasik

R. E. DAREKAR
PROFESSION TAX OFFICER
NAS-PTO-C-003
NASHIK

CHALLAN

MTR Form Number-6

(See Rule 11, 11C, 17, 20, 22(4) and 27B of the Professions Tax Rules, 1975)

Account Head 00280012

GRN	MH010198839202526E	BARCODE		Date	14/10/2025-11:02:28	Form ID	IIIB

Department	Commissioner of Sales Tax	**Payer Details**	
Type of Payment	Profession Tax - PTRC Maharashtra Profession Tax PTRC	**TAX ID / TAN (If Any)**	27530001742P
		PAN No.(If Applicable)	AAFCA7736H
Office Name	Sales Tax Office NASHIK	**Full Name**	ANAND CONSTRUWELL PVT LTD
Location	NASHIK		
Year	2025-2026 From 01/09/2025 To 30/09/2025	**Flat/Block No.**	
		Premises/Building	
		Road/Street	
		Area/Locality	
		Town/City/District	
		PIN	
		Remarks (If Any)	
		IIIB	
		Amount In Words	Sixteen Thousand One Hundred Rupees Only

Account Head Details	Amount In Rs.
AMOUNT OF TAX	16100.00
Total	16,100.00

Payment Details	BANK OF BARODA	**FOR USE IN RECEIVING BANK**			
Cheque-DD Details		Bank CIN	Ref. No.	02003942025101400205	1460147133
Cheque/DD No.		Bank Date	RBI Date	14/10/2025-11:04:04	Not Verified with RBI
Name of Bank		Bank-Branch		BANK OF BARODA	
Name of Branch		Scroll No. , Date		Not Verified with Scroll	

Department ID : URN10024295304TR

Mobile No. : 9822199021

Print Date 14-10-2025 11:04:19

CHALLAN

MTR Form Number-6

(See Rule 11, 11C, 17, 20, 22(4) and 27B of the Professions Tax Rules, 1975)

Account Head 00280012

GRN MH004486554202526E	**BARCODE**	**Date** 27/06/2025-11:09:31	**Form ID** VIII

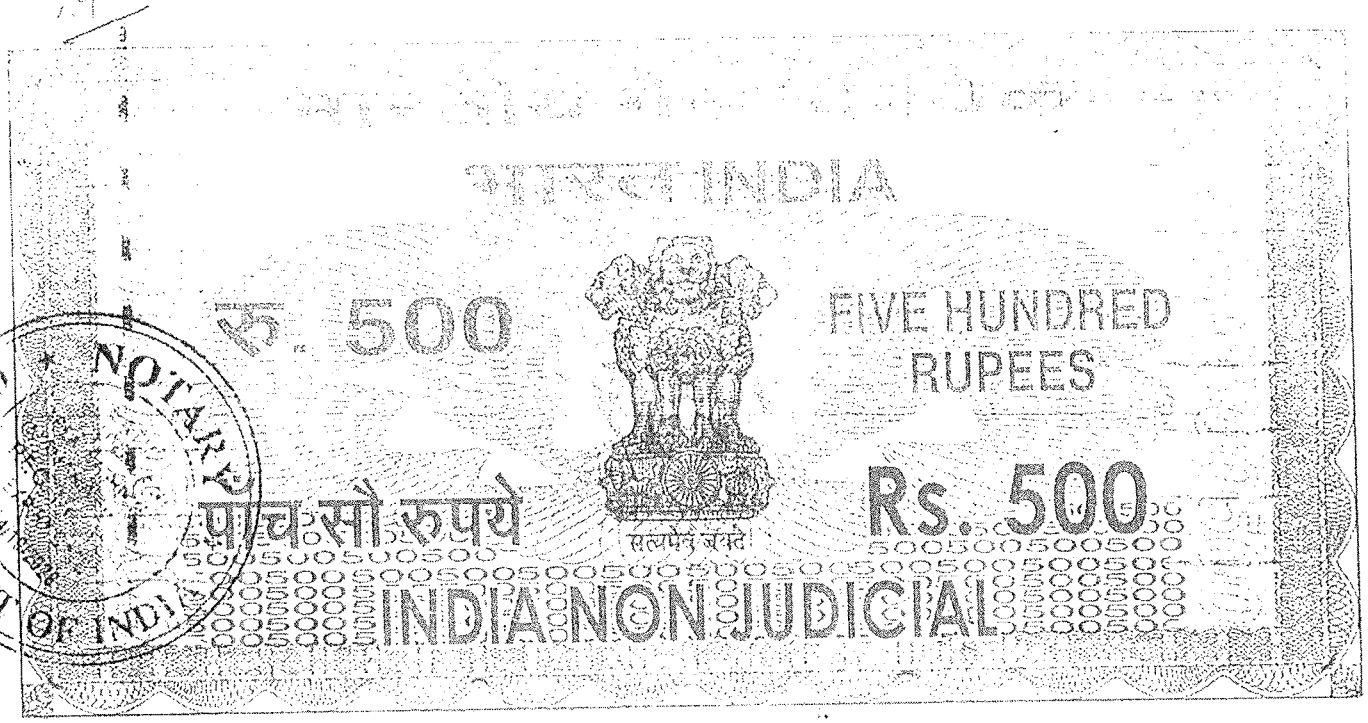
Department Commissioner of Sales Tax		**Payer Details**	
Type of Payment Profession Tax - PTEC Maharashtra Profession Tax PTEC		**TAX ID / TAN (If Any)**	99800902457P
		PAN No.(If Applicable)	AAFCA7736H
Office Name Sales Tax Office NASHIK		**Full Name**	M S ANAND CONSTRUWELL PRIVATE LIMIT
Location NASHIK			
Year 2025-2026 From 01/04/2025 To 31/03/2026		**Flat/Block No.**	
Account Head Details	**Amount In Rs.**	**Premises/Building**	
AMOUNT OF TAX	2500.00	**Road/Street**	
		Area/Locality	
		Town/City/District	
		PIN	
		Remarks (If Any)	
		VIII	
		Amount In Words	Two Thousand Five Hundred Rupees Only
Total	2,500.00		

Payment Details BANK OF BARODA		**FOR USE IN RECEIVING BANK**			
Cheque-DD Details		Bank CIN	Ref. No.	02003942025062700301	1444555165
Cheque/DD No.		Bank Date	RBI Date	27/06/2025-11:11:40	Not Verified with RBI
Name of Bank		Bank-Branch		BANK OF BARODA	
Name of Branch		Scroll No. , Date		Not Verified with Scroll	

Department ID : URN10023551871TE

Mobile No. : 9822011517

Print Date 27-06-2025 11:11:57



महाराष्ट्र MAHARASHTRA ◑ 2024 ◑ CS 676708

This Document Noted at SR.No. 493
and Contained 03 Pages
Dated 20/01/2025

DEC 2024

GENERAL POWER OF ATTORNEY

THE GENERAL POWER OF ATTORNEY is made and executed at Nashik on this 20th day of January 2025.

BE IT KNOWN to all that, we (1) SHRI NAVINCHANDRA PREMCHAND CHOKASI, resident of Plot No.19, Sr. No. 719/2/1/2/1A Ramdas Colony, 4th Floor, Canada Corner, Nashik - 422005, to-day at Nashik, (2) SHRI RAMESH PREMCHAND CHOKASI, resident of Opp. B.Y.K. Collage, 37, Veervilla, Near Yogvidya Dham, Kulkarni Baug Lane No.3, Nashik - 422005, to-day at Nashik, (3) SMT. VINA RAMESH CHOKASI, resident of Opp. B.Y.K. Collage, 37, Veervilla, Near Yogvidya Dham, Kulkarni Baug Lane No.3, Nashik - 422005, to-day at Nashik, (4) SHRI SHAILENDRA NAVINCHANDRA CHOKASI, resident of Plot No.19, 3rd Floor, Ramdas Colony, Canada Corner, Nashik - 422005, to-day at Nashik, (5) SHRI ABHAY NAVINCHANDRA CHOKASI, resident of Plot No.19, Sr. No. 719/2/1/2/1A, 2nd Floor, Ramdas Colony, Canada Corner, Nashik - 422005, to-day at Nashik, do hereby sent greetings.

Cont....

जोडपत्र-2

दस्ताचा प्रकार/ अनुच्छेद क्र. : टेंडर

दस्त नोंदणी करणार आहेत का : होय/नाही

असल्यास दुय्यम निबंधक कार्यालयाचे नांव :

मिळकतीचे वर्णन:

मोबदला रक्कम : मुद्रांक शुल्क रक्कम :

मुद्रांक विकत घेणाऱ्याचे नांव व पत्ता : आनंद कन्स्ट्रुवेल प्रा. लि., रामचंद्र अपार्टमेंट, म.बाद नाका, पंचवटी, नाशिक

दुसऱ्या पक्षकाराचे नांव : मनपा

हस्ते असल्यास नांव : नाशिक

शंकर गिते

मुद्रांक विक्री नोंदवही अनुक्रमांक व दिनांक : 25631/20.12.2024

मुद्रांक विकत घेणाऱ्याची सही :

LATISH S.
Advocate
परवाना क्रमांक -87/195/20
मेघदुत शॉपिंग सेंटर, सी.वी.एस.नाशिक

ज्या कारणासाठी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून सहा महिन्यात वापरणे बंधनकारक आहे.

WHEREAS we are carrying the Construction business in the name and style M/s. Anand Construwell Pvt. Ltd., Nashik as per agreed terms.

AND WHEREAS it is not possible both of us all the time to sign the tender, to assign the contract, to collect the cheques, drafts, to represent on behalf of the firm jointly by all the two directors.

AND WHEREAS it is required to execute the General Power of Attorney in favour of SHRI RAMESH PREMCHAND CHOKASI. And accordingly, we do hereby, appoint, nominate and constitute, Shri. RAMESH PREMCHAND CHOKASI resident of Nashik as our General Power of Attorney holder, who shall for on behalf of company and for us do and cause to be done the following acts and deeds and things on behalf of our company.

1] On behalf of M/s. Anand Construwell Pvt. Ltd. full-fill the tender and put signature and present them.

2] And doing the agreement for accepted tenders and speak them and put signature therein.

3] To accept the Cheques, drafts, cash on behalf of Company and deposit the same in the Bank.

4] To accept the measurement, to correspondence with concern authority on behalf of the company.

5] To sublet the contract awarded on behalf of the company to any other agency or any one Director individually or any two Directors jointly.

6] To appoint other representatives for execution of work / official correspondence with department of particular work on behalf of company's letter head paper as and when requires.

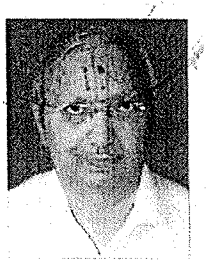
7] To appoint the representative for Legal hearing on behalf of company for legal purpose with all Government Department. Such as Income Tax, GST Department, EPF Department, all Municipal Corporation, Public Works Department, Irrigation Department & other semi Government Department like CIDCO, MIDC, Food Corporation of India and all other Government undertaking enterprises.

8] The validity of this Power of Attorney is up to 31/03/2028.

AND WE HEREBY AGREE AND UNDERTAKE to ratify and confirm whatever and our said, Attorney shall lawfully do or caused to be done in the pursuance aforesaid by virtue of these presents.

IN WITNESS WHEREOF We have put in our respective signatures today at Nashik on this 20th day of January 2025.

SIGNED, SEALED & DELIVERED
By the within named.



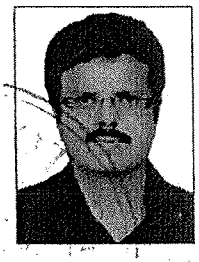
(SHRI NAVINCHANDRA PREMCHAND CHOKASI)
Director – Anand Construwell Pvt. Ltd, Nashik.



(SMT. VINA RAMESH CHOKASI)
Director – Anand Construwell Pvt. Ltd, Nashik.

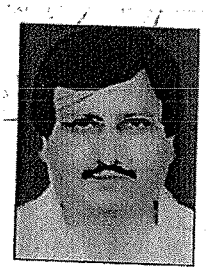


(SHRI SHAILENDRA NAVINCHANDRA CHOKASI)
Director – Anand Construwell Pvt. Ltd, Nashik.



(SHRI ABHAY NAVINCHANDRA CHOKASI)
Director – Anand Construwell Pvt. Ltd, Nashik.

Signature of the Power of Attorney Holder SHRI RAMESH PREMCHAND CHOKASI



(SHRI RAMESH PREMCHAND CHOKASI)
Director – Anand Construwell Pvt. Ltd., Nashik.

ASANI
Notary

IDENTIFIED BY

BEFORE ME

MEMORANDUM
AND
ARTICLES OF ASSOCIATION
OF
ANAND CONSTRUWELL
PRIVATE LIMITED

प्रारूप० आई० आर०
Form I. R.

निगमन का प्रमाण-पत्र
CERTIFICATE OF INCORPORATION

सं०..... की तं०.....
No. 11-102326 *of Date* 1996

मैं एतद्द्वारा प्रमाणित करता हूं कि आज.....

.....

.....

कम्पनी अधिनियम 1956 (1956 का सं० 1) के अधीन निगमित की गई है और वह कम्पनी परिसीमित है।

I hereby certify that ANAND CONSTRUWELL PRIVATE LIMITED

.....

.....

is this day incorporated under the Companies Act, 1956 (No. 1 of 1956) and that the Company is limited.

मेरे हस्ताक्षर से आज दि०..... को दिया गया।

Given under my hand at MUMBAI this THIRD day of SEPTEMBER One thousand nine hundred and NINETYSIX

Puran Chand

(PURAN CHAND)
कम्पनियों का रजिस्ट्रार
ASSTT. *Registrar of Companies*

के० एन० मेहता, I
J. S. C...

119/एम०एफ०एस०/निगमन/[illegible]—20,000—3-4-93—सासमुना।
119/MFS/C[illegible]—3-4-93—GIPG.

THE COMPANIES ACT, 1956
THE COMPANY LIMITED BY SHARES

MEMORANDUM OF ASSOCIATION
OF
ANAND CONSTRUWELL PRIVATE LIMITED

I. The name of the Company is ANAND CONSTRUWELL PRIVATE LIMITED.

II. The Registered Office of the Company will be situated in the State of Maharashtra.

III. The objects for which the Company is established are :

A) THE MAIN OBJECTS OF THE COMPANY TO BE PURSUED BY THE COMPANY ON ITS INCORPORATION ARE :

01) To Purchase acquire, take on lease or in exchange or any other lawful manner any area, land, buildings, structures and to turn the same into account, develop the same and dispose off or maintain the same and to build townships, markets or other buildings, residential or commercial or conveniences thereon and to equip the same or part thereof with all or any amenities or conveniences, drainage facility, electricity, telephone, television installations and to deal with same in any manner whatsoever and by advancing money to and to entering into contracts and arrangements of all kinds with builders, tenants and others. To construct, erect, build, repair, re-model, demolish, develop, improve, grades, curve, pave, macadamise cement and maintain buildings, structures, houses, apartments, hospitals, schools, places of worships, highways, roads, paths, streets, sideways, courts, gallery, pavements and to do

other civil construction, leveling or paving work and for these purpose to purchase, take on lease or otherwise acquire agricultural land for farming, develop and hold any lands and prepare layout thereon or building or any tenure or description wherever situates and rights or interests therein or connected therewith and to build, erect, construct, operate on Build-Own-Transfer (BOT) or Build-Own-Lease-Transfer (BOLT) basis, repair, execute, develop infrastructural project including roadways, bridges, dams, docks, harbours, canals or any kind of work for and on behalf of Government, Semi-Government NGO's or bodies corporate or individuals.

01(a) To carry on the business to purchase, take on lease or otherwise acquire agricultural land on freehold or leasehold basis for farming, develop and hold agricultural lands and prepare layout thereon for the attainment of the main objects of the company.

B) **OBJECTS INCIDENTAL OR ANCILLIARY TO THE ATTAINMENT OF THE MAIN OBJECTS:**

02) To purchase, sell, develop, take in exchange or on lease, hire or otherwise acquire, whether for investment or sale or working the same, any real or personal estate including lands, mines, businesses, buildings, factories, mills, houses, cottages, shops, depots, warehouses, machinery, plants, stock in trade, mineral rights, concessions, privileges, licences, easements or interest in with respect to any property whatsoever for the purpose of the Company in consideration for a gross sum or rent or partly in the other or for any other consideration of flats and buildings and to let on lease or otherwise appartments therein and to provide for the conveniences commonly provided in flats, suites and residential and business quarters.

03) To carry on the business of builders, contractors, dealers in and dealers of pre-fabricated and pre-cast houses, buildings and errections and materials, tools, implements, machinery and metalware in connection therewith or incidental thereto.

04) To carry on the business of purchase, sale, import of all kinds of buildings and construction material required for purpose of carrying on the business of builders and contractors.

05) To act as adviser and consultants on all matters relating to construction and land development, collection and interpretations of data on business or industry, to make out surveys, reports thereon for improving and promoting and for managing any type of commerce/business/ industry or service rendering organisation.

06) To purchase, apply for or otherwise obtain or acquire (whether with a view to release or otherwise) any

inventions, patents, knowhow, designs, rights, privileges, licences, processes, secrets or other information or trademarks or copyrights from any Indian or foreign company or from any sources which may seem to the Company to be capable of use for any of the purpose of the company and to work, use, exercise, manufacture, develop, grant licences in respect of or otherwise dispose of, deal in or turn to account all or any of such things.

07) To purchase, takeover, absorb or otherwise acquire the business or to participate in joint ventures with any person, partnership firm, company, association, corporation which deal in same line of business and such purchase, takeover or acquisition should not contravene the main object of the Company.

08) To purchase or to import and instal, take on hire, lease, plant, machinery, workshop, assembly shop, factories, extrusion and other plants.

09) To borrow, raise, secure the payment of money in such manner as the Company shall think fit and by negotiating loans wither with or without security on such terms and conditions as may deem suitable and beneficial to the Company provided that Company shall not carry on the business of banking as referred to in the Banking Regulations Act, 1949, subject to the provisions of Section 58-A of the Companies Act, 1956 and the directions of Reserve Bank of India.

10) To advance, deposit or lend with or without security money, securities, assets and properties or corporation and on such terms as may deem expedient to negotiate loans to discount, buy, sell and deal in bills, notes, warrants, coupons and other negotiable or transferrable securities, documents and instruments.

11) To promote companies for establishing industries, manufacturing concerns, other business undertakings similar to the objects of this Company or any other company or otherwise for the purpose of acquiring all or any of the property together with the undertaking, the liability of this Company or any other company, partnership concern or individual undertaking or to take or otherwise acquire and hold shares or debentures, in and otherwise assist such company or companies.

12) To arrange means of finance by accepting deposits from relatives, friends, employees with or without interest for the aggrandisement of the Company within the meaning of provisions of the Companies Act, 1956 wherever applicable.

13) To issue on commission, underwrite, subscribe for take, acquire, hold, sell, exchange and deal in land property, goods, stocks, bonds, shares or securities of any Government, Local Authority or Company subject to Section 76 of the Companies Act, 1956.

14) To invest in, acquire, hold, underwrite, sell, or otherwise deal in shares, stocks, debentures, debenture stocks, bonds, negotiable instruments, securing of any Company, Government, Public Body or Authority, Municipal and Local Bodies whether in India or abroad.

15) To invest and deal with the moneys of the Company not immediately required in or upon such securities other than in the shares of Company and in such manner as may from time to time be determined.

16) To draw, make, accept, endorse, discount, execute, issue and negotiate Promissory Notes, Bills of Exchange, Hundies, Bills of Lading, Warrants, Debentures and other negotiable or transferrable instruments.

17) To pay all expenses, preliminary or incidental to the promotion, formation and registration of the Company.

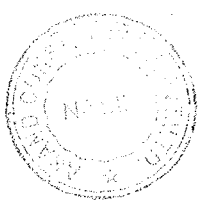
18) To grant licences or concessions over or in respect of any property or rights of the Company.

19) To sell, barter or dispose off the undertakings assets and liabilities and securities of the Company or any part thereof for such consideration as the Company may think fit.

20) To undertake and execute any trust, foundation the undertaking of which may seem to the Company desirable and either gratuitous or otherwise.

21) To accept gifts, bequests or donations of any movable or immovable property or any right of interest therein from others.

22) To do all and everything necessary, suitable or proper for the accomplishments of any of the purposes of the attainment of any of the objects or the furtherence of any of the powers herein set forth either alone or in association with other corporate bodies, firms or individuals and to do every other act or acts, thing or things, incidental or appurtenant to or growing out of, connected with the aforesaid business or powers or any other parts of provided the same be not inconsistant with the laws of the Union of India.



23) Subject to the provisions of the Companies Act, 1956, distribute among members in species property of the Company or any proceeds or sale or disposal of any property of the Company in the event of winding up.

C) **OTHER OBJECTS:**

24) To carry on business as manufacturers, importers, exporter, hirers, dealers, commission agents, distributors of any material, equipments, various machines, equipments, apparatus, films, tools, spares etc.

25) To carry on the business as experts and consultants in building material, manufacturing and marketing fields of all types and to offer all types of consulting services including the making of survey reports thereon.

26) To edit, print, publish, distribute, sale the books, booklets, brochures, catalogues, journals, periodicals, annuals etc. related with building material manufacturing and marketing and of the interest of general public at large.

27) To carry on the business as estate agents and estate managers and to collect rents, repair, look after and manage immovable properties of or for any persons, firms, companies, Governments and States as well as this Company, to give, take, let and sub-let rent forming contracts and to carry out, undertake or supervise any building constructing, altering, improving, demolishing and repairing operations and all other works and operations in connection with immovable estates and properties.

28) To undertake poultry raising, fishery, pissery and dairy farming and to carry on and undertake any of all persuits such as kennel, goat, sheep, rearing, bee-keeping etc.

29) To carry on the business of farming, horticulture, floriculture, sericulture, dairies, cultivators of all kinds of foodgrains, seeds, fruits, proprietors of orchard and traders, experts and sellers of and dealers in products of farming, dairy, horticulture, floriculture, sericulture and pisciculture and fishing and manufacturers of drinks, alcoholic or otherwise including beverages produced from such products or otherwise.

30) To manufacture, process, prepare, preserve, can, refine, bottle, buy, sell and deal whether as wholesellers or retailors or as exporters or importers or as principals or agents in foods, meats, eggs, poultry, vegetables, grapes, canned and tinned and processed foods, protein, health and instant foods of all kinds including baby and diabetic foods, cereals, beverages, cordials,

tonics, restoratives and aerated mineral water and food stuffs and consumable provisions of every discription for human or animal consumption.

31) To carry on the business of tourist and travel agents and contractors, to arrange and operate tours and to facilitate travelling and provide for tourists and travellers and of freight and passage brokers, representatives of airlines, steamshiplines, railways and other whether in India or abroad.

32) To carry on the business of an investment company and to underwrite, to invest in and acquire and hold, sell, buy or otherwise deal in shares, debentures, debenture stocks, bonds, units, obligations and securities issued or guaranteed by Indian or foreign Governments, State Dominions, Soverigns, Municipalities or Public Authorities or Bodies and shares, stocks, debentures, debenture stocks, bonds, obligations and securities issued and guaranteed by any Company, Corporation, Firm or person, whether incorporated or established in India or elsewhere.

33) To carry on the business of manufacturers of and dealers in Chemicals, Chemical Compounds (Organic and Inorganic) in all forms and chemical products of any nature and kind whatsoever and all bye-products and joint-products thereof.

34) To carry on the business of manufacturers, importers, exporters, sellers, buyers and dealers, whether wholesellers or retailors of all kinds of electric and electronic equipments, appliances, apparatus, systems, circuits, motors, generators, distribution boards and other accessories.

35) To undertake the business as iron masters, iron and steel makers, steel founders, steel converters, steel fabricators, extruders, iron-ore miners, steel re-processers, re-rollers, metallurgists, smelters and as manufacturers of and dealers in ferrous and non-ferrous castings and forgings of all types.

36) To carry on the business of manufacturing, refining and preparing all classes and kinds of fertilizers and all classes and kinds of chemicals including petro-chemicals and plastics and industrial and other preparations arising from or required in the manufacture of any kind of fertilizer and chemicals and to carry on any operation or processes of mixing, granulating different chemicals or fertilizers.

37) To encourage the discovery of new advertising and/or marketing management of products and services and to investigate and made known the nature and merits of investigations and findings and research in the said field and to acquire any processes upon such terms as may seem expedient and to improve the same to

undertake the manufacture of any product developed, discovered or improved and / or to give licences for the manufacture of the same to others and either to market the same on such terms and conditions as the Company may deem fit to do.

38) To provide, encourage, initiate to promote facilities for the discovery, improvement or development of new methods of advertising and marketing of building material and allied products.

39) To conduct and carry on experiments and to provide funds for research works and for scholarships, stipend remuneration and / or other payments or aid to any person or persons engaged in research work or work connected with or conducive to research and to encourage and to improve knowledge of the persons who are engaged or likely to be engaged in any building material manufacturing and marketing or related profession so as to make available and services to the public at large.

IV. The Liability of the Members is limited.

V. *The Authorized Share Capital of the company is Rs.2,50,00,000/- (Rupees Two Crore Fifty Lacs only) divided into 2,50,000 (Two Lac Fifty Thousand) Equity Shares of Rs.100/- (Rupees One Hundred only) each, with the rights, privileges and conditions attached thereto as per the relevant provisions contained in that behalf in the Articles of Association of the Company and with power to increase and or to reduce the capital and to divide the shares in the capital for the time being into several classes (being those specified in the Companies Act, 1956) and to attach thereto respectively such preferential, qualified or special rights, privileges or conditions as may be determined by or in accordance with the Articles of Association of the Company for the time being force and to vary, modify or abrogate any such rights, privileges or conditions in such manner as may be permitted by the said Act or provided by the Articles of Association of the Company for the being in force.

****

* Note : The Authorized Share Capital was increased from

(1) Rs.5,00,000/- to Rs.30,00,000/- by Special Resolution passed in Extra Ordinary General Meeting dated 22-08-2006;

(2) Rs.30,00,000/- to Rs.50,00,000/- by Special Resolution passed in Extra Ordinary General Meeting dated 10-03-2008;

(3) Rs.50,00,000/- to Rs.1,00,00,000/- by Special Resolution passed in Extra Ordinary General Meeting dated 19-03-2009; and

(4) Rs.1,00,00,000/- to Rs.2,50,00,000/- by Special Resolution passed in Extra Ordinary General Meeting dated 05-12-2013.

We, the several persons whose names and addresses are subscribed below are desirous of being formed into a Company in pursuance of this Memorandum of Association and we respectively agree to take the number of shares in the capital of Company set opposite to our respective names.

Name, address, description and occupation of each Subscriber.	No.of Equity Shares taken by each Subscriber	Signature of Subscriber	Signature of witness, his name, address, description and occupation.
Navinchandra Premchand Chokasi S/o. Premchand Thakarsi Chokasi 653, Raviwar Peth Nashik - 422 001. Occ : Business.	01 (ONE)	Sd/-	
Ramesh Premchand Chokasi S/o. Premchand Thakarsi Chokasi 653, Raviwar Peth Nashik - 422 001. Occ : Business.	01 (ONE)	Sd/-	Witness to all Sd/- **Abhay Ramakant Sadavarte** S/o. Ramakant Laxman Sadavarte 1990-A, Somwar Peth, Nashik - 422 001. Occ : Business.
	02 (TWO)		

Dated : 22nd August, 1996 at Nashik.

THE COMPANIES ACT, 1956
COMPANY LIMITED BY SHARES

ARTICLES OF ASSOCIATION
OF
ANAND CONSTRUWELL PRIVATE LIMITED

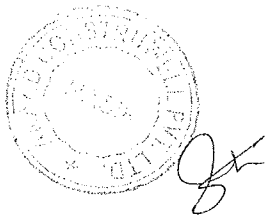
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01) Subject as hereinafter provided the regulation contained in Table "A" in the First Schedule of the Companies Act 1 of 1956 (hereinafter referred to as Table "A") shall apply to the Company in so far as they are applicable to private companies and not in consistant with any of the provisions contained in these Articles.

INTERPRETATIONS

02) In these articles, unless there is something in the subject matter or context in consistant therewith:

"The Company" means ANAND CONSTRUWELL PRIVATE LIMITED.



"The Act" means the Companies Act, 1956 or any statutory modification or re-enactment thereof for the time being in force.

"The Office" means the Registered Office for the time being of the Company.

"The Register" means the Register of Members to be kept pursuant to Section 150 of the Act.

"Month" means the calender month.

"Dividend" includes bonus.

"Paid-up" includes credited as paid-up.

"In writing" or "written" means and includes words printed, lithographed, represented or reproduced in any mode in a visible form.

"Secretary" includes any person appointed to perform the duties of Secretary.

"Special Resolution" and "Ordinary Resolution" have the meaning assigned thereto respectively by Section 189 of the Act.

Words imparting the singular number only includes the plural number and vice versa.

Words imparting the masculine gender only shall extend to and include the feminine gender.

Words denoting persons include corporations.

PRIVATE COMPANY

03. The Company is a private company and within the meaning of Section 3 (1) (iii) of the Companies Act, 1956, and accordingly -

a) The rights of the transfer of shares is restricted as hereunder.

b) The number of members of the Company is limited to 50 exclusive of :-

i) Persons who are in the employment of the Company; and

ii) Persons who having been formerly in the employment of the Company were members of the Company while in that employment and have continued to be members after the employment ceased.

Provided that where two or more persons who hold one or more shares in the company jointly, they shall, for the purposes of this definition, be treated as a single member.

c) Any invitation to the subscriber for any shares in or debentures of the Company is hereby prohibited.

d) Prohibits any invitation or acceptance of Deposits from any persons other than its Members, Directors or their Relatives.

04) The Authorised Capital of the Company will be as specified in capital clause of Memorandum of Association.

05) Subject to the provisions of these Articles, the shares shall be under the control of the Directors who (subject to the provisions of the Act) may allot or otherwise dispose of the same to each persons, on such terms and conditions and at such time as the Directors think fit.

06) The Company in General Meeting may, from time to time, increase the Capital by the creation of new shares of such amount as may be deemed expedient.

07) The new shares shall be issued upon such terms and conditions and with such rights and privileges annexed thereto as the general meeting resolving upon the creation thereof, shall direct and if no direction shall be given, as the directors shall determine and in particular such shares may (subject to any special rights for the time being attached to any existing class of shares) be issued with a preferential or qualified rights to dividends and in the distribution of assets of the Company and with or without any special right of voting.

08) Except as far as otherwise provided by the conditions of issue or by these presents, any capital raised by the creation of new shares shall be considered part of the original capital and shall be subject to the provisions therein contained with reference to the payment of calls, lien, forfeiture, transfer and transmission, surrender and otherwise.

09) Where any shares are issued for the purpose of raising money to defray expenses of the construction or any works or buildings or the provisions of any plant which cannot be made profitable for a lengthened period the Company may pay interest on so much of that share capital as is for the time being paid up for the period at the rate and subject to the conditions and restrictions provided, by the Act and may charge the same to capital as part of the cost of construction or the work or building or provision of the plant.

L I E N

10) The Company shall have a first and paramount lien upon all the shares registered in the name of each member (whether solely or jointly with others) and upon the proceeds of sale thereof, for his debts, liabilities and engagements, solely or jointly with any person to or with the Company, whether the period for these payment, fulfilment or discharge thereof shall have actually arrived or not and no equitable interest in any shares

shall be created except upon the footing and conditions that Article hereof is to have full effect. And such lien shall extent to all dividends from time to time declared in respect of such shares.

11) The Directors may at any time after the date for the payment or satisfaction of such debts, obligations or liabilities shall have arrived, serve upon any member who is indebted or under any obligation or liability to the Company or upon persons entitled to his shares by reason of the death or bankruptcy of such member, a notice requiring him to pay the amount due to the Company or satisfy the said obligation or liability and stating that if payment is not made or the said obligation or liability is not satisfied within a time (not being less than fourteen days) specified and if such member or the person entitled to his shares as aforesaid, the Directors may sell such shares without further notice and for the purpose of giving effect to any such sale the Directors may authorise some person to transfer the shares so sold to the purchaser thereof.

12) Upon any sale being made by the Directors of any shares to satisfy the lien of the Company thereon, the proceeds shall be applied first in the payment of all costs of such sale-next, in satisfaction of the debts, obligations and liabilities of the members to the Company and the residue (if any) shall be paid to the persons entitled to the shares at the date of the sale or as he shall in writing direct.

CERTIFICATES

13) Every member shall be entitled free of charge to one certificate for all shares registered in his/her name or if Board so approves to several Certificates each for one or more of such shares.

14) The Certificate of Title to shares and duplicates. Duplicate shall be issued under the Seal of the Company wherein shall be affixed in the presence of (1) Two Directors, the Secretary or some persons appointed by the Board for the two Directors and Secretary or the other person.

CALLS ON SHARES

15) In Clause 13 of the Table "A" the words "Provided that no call shall exceed one fourth of the nominal amount of the shares to be payable at less than one month from the last date fixed for the payment of the last preceding call" shall be omitted.

16) If a sum called in respect of a share is not paid before or on the day appointed for payment thereof the person from whom the sum is due shall pay interest thereon from the day appointed for

payment thereof to the time of actual payment of such rate, as the Board may determine.

17) The Board shall be at liberty to waive payment of such interest wholly or in part.

TRANSFER OF SHARES

18) The instrument of transfer of any shares in the Company shall be executed by or on behalf of both the transferor and transferee.

19) The transferor shall be deemed to remain a holder of the share until the name of the transferee is entered in the register of members in respect thereof.

20) The Board may decline to register: -

a) The transfer of a share, not being a fully paid share, to a person of whom they do not approve; or

b) Any transfer of shares of which the Company has a lien.

21) No fee shall be charged for the registration of any transfer grant of probate, grant of letters of administration, certificate of death or marriage, power of attorney or other instruments.

22) The Board may also decline to recognise any instrument of transfer unless: -

a) The instrument of transfer is accompanied by the certificate of the shares to which it relates and such other evidence as the Board may reasonably require to show the right of the transferor to make transfer.

b) The instrument of transfer is in respect of only one class of shares.

23) a) Every member or other person who intends to transfer shares (hereinafter called the vendor) in the Company shall give notice in writing to the Board of Directors of his intention. This constituted the Board of Directors his agent for the sale of said shares in one or more lots at the discretion of the Board to the existing members of the Company at a price which the Auditor of the Company for the time being shall certify, by writing under his hand to be, in his opinion, the fair selling value of the shares as between a willing vendor and a willing purchaser.

b) The price having been fixed as aforesaid, the Board shall forthwith give notice to all the members of the Company of the number and

price of the shares to be sold and invite each of them to state in writing within thirty days from the date of the notice whether he is willing to purchase any and if so, what number of shares.

c) At the expiration of the said thirty days, the Board shall allocate the said shares to or amongst the members who shall have expressed his or their willingness to purchase as aforesaid and (if more than one) so far as may be pro-rata according to the number of shares already held by them respectively, provided that no member shall be obliged to take more than the said maximum number of shares so notified by him as aforesaid. Upon such application being made the Vendors shall be bound on payment of the said price to transfer the shares to the Purchasers and if he makes defaults in so doing, the Board may receive and give a good discharge for the Purchaser in the Register of Members as holder by transfer of the shares purchased by him.

d) In the event of the whole of the said shares not being so sold, the Vendor may at any time after six calender months from the date of expiration of the said thirty days, transfer the shares and sell the same to any person and at any price subject to Clause 11 hereof.

TRANSMISSION OF SHARES

24) Any shares may be transferred at any time by a member to his or her lineal descendants or to his father or mother or to her father or mother or to any lineal descendants, such father or mother or his wife or her husband and to such persons as mentioned in Schedule IA of the Companies Act, 1956 and to none else.

25) If on the death of a shareholder his legal heirs, executors, administrators or succession certificate holders apply for recognition and registration of their names in place of the deceased shareholder, the directors being satisfied as to the bonafides of the applicants in place of the deceased shareholder.

INCREASE AND REDUCTION OF SHARE CAPITAL

26) The Company by ordinary resolution, may from time to time increase the share capital by such sum, to be divided into shares of such amount as may be specified in the resolution.

27) The Company may from time to time by Special Resolutions, reduce its share capital and may create Capital Redemption Reserve Fund or Share Premium Account in any manner and with subject to

any incident authorised and consent require by Law.

ALTERATION OF CAPITAL

28) The Company in General Meeting may: -

a) Consolidate and divide all or any of its share capital into shares of large amount than its existing shares.

b) Sub-divide its existing shares or any of them into shares of smaller than is fixed by the Memorandum so however, that in the subdivision the proportion between the amount paid and the amount, if any, unpaid on each reduced share shall be the same as it was in the case of the share from which the reduced share is derived.

c) Cancel any shares which at the date of the passing of the resolution, have not been taken or agreed to be taken by any person and diminish the amount of the shares so cancelled.

29) If at any time the share capital is divided into different classes of shares the rights attached to any class may subject to the provisions of Sections 106 and 107 and whether or not the Company is being wound up be varied with the consent in writing of the holders of three-fourth of the issued shares of that class or with sanction of a Special Resolution passed at a separate General Meeting of the holders of the shares of that class.

GENERAL MEETINGS

30) All the General Meetings other than Annual General Meeting shall be called Extra-Ordinary General Meetings.

31) a) The First Annual General Meeting shall be held at such time not being more than eighteen calender months after the registration of the Company and at such place as the Directors may determine.

b) The next Annual General Meeting of the Company shall be held by it within six months after the expiration of the financial year in which the First Annual General Meeting was held and thereafter an Annual General Meeting shall be held once at least in every year at such time (not being more than fifteen months after the holding of last preceeding Annual General Meeting) and at such place as the Company may determine.

32) The Board may whenever it thinks fit call an Extra-Ordinary General Meeting.

33) No business shall be transacted at any General Meeting unless a Quorum of members is present at the time when the meeting proceeds to business. Save as herein otherwise provided two members present in person shall be a quorum.

34) a) The Chairman of the Board, if any, shall preside as Chairman at every General Meeting of the Company.

b) If there is no Chairman or if he is not present within fifteen minutes after the time appointed for holding the meeting or is unwilling to act as a Chairman of the meeting, the Directors present shall elect one of their members to be Chairman of the meeting.

35) A General Meeting of the Company may be called by giving not less than ten days' notice in writing but a General Meeting may be called by giving shorter notice if consent is accorded thereto as provided in Sub-Section 2 of Section 171 of the Companies Act or any statutory modifications thereof.

36) The Directors shall duly comply with the provisions of Section 190 of the said Act with regard to resolutions in respect of which special notice is required by the said Act. In regard to the calling and conduct of meetings, the proviso to Section 172 (2), Section 173 and 176 (2) shall not apply to this Company. Further, other provisions in the group Sections 176 to 186 shall also not apply to this Company in so far as they are inconsistant with the regulations herein contained.

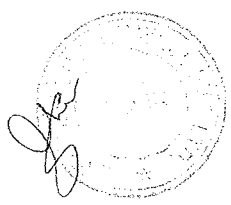
VOTES OF MEMBERS

37) Subject to any rights or restrictions for the time being attached to any class or classes of shares, no member shall be entitled to vote at any General Meeting unless all calls or other sums presently payable by him in respect of the shares held by him in Company have been paid.

38) In case of joint-holders, the vote of the senior who tenders a vote, whether in person or through proxy, shall be accepted to the exclusion of the votes of the other joint-holders, and for this purpose, seniority shall be determined by the order in which the names stand in the Register of Members.

39) 1) No objection shall be raised to the qualification of any voter except at the meeting or adjourned meeting at which the vote objected to is given or tendered and every vote not disallowed at such meeting shall be valid for all purposes.

2) Any such objection made in due time be



referred to the Chairman of the meeting whose decision shall be final and conclusive.

40) The instrument appointing a proxy shall be in writing under the hand of the appointer or of his attorney duly authorised in writing or if such appointer be a corporation, either under its common seal or under the hand of an officer of attorney so authorised.

41) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarily certified copy of such power of authority shall be deposited at the Registered Office not less than forty eight hours before the time fixed for holding the meeting or adjourned meeting at which the persons named in such instrument of proxy shall be deemed to confer authority to demand or join in demanding a poll -

a) on a show of hands every member present in person shall have one vote; and

b) on a poll every member shall have one vote for every share held by him.

42) A vote in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or the revocation of proxy or of the authority under which the proxy was executed or the transfer of the shares in respect of which the proxy is given.

Provided that no intimation in writing of such death, insanity, revocation or transfer shall have been received by the Company at its office before the commencement of the meeting or adjourned meeting at which the proxy is used.

43) Without prejudice to Section 176 of the Act, a proxy may be appointed for all or any Meeting during a period not exceeding one year, specified in the instrument of proxy, the instrument of proxy shall be as near practicable in the form set out in Schedule IX of the Act.

DIRECTORS

44) Unless and until the Company in General Meeting shall otherwise determine, the number of Directors shall not be less than two and more than twelve.

45) Subscribers to the Memorandum and Articles of Association of the Company will be deemed to first directors of the Company.

45(a) A Director shall not be required to hold any Share of the Company, for qualifying to be a Director of the Company.

46) The fees of the Directors shall be such sum as the Directors may fix from time to time not exceeding Rs. 1,500/- (Rupees One thousand five hundred only) for every meeting of the Board or

of a committee attended by him. The Directors may also be paid travelling and other expenses incurred, if any, for attending Meeting of the Board and/or for any other work of the Company.

47) If any Director, being willing, shall be called upon to perform extra services or to take any special exertions in going or residing out of the State of Maharashtra or otherwise for any of the purposes of the Company, the Company may remunerate the Director so doing, either by a fixed sum or by a percentage of the profits or otherwise as may be determined by the Directors.

48) The Directors of the Company shall not be liable to retire by rotation.

49) The Directors shall have power at any time and from time to time to appoint any person to be an Additional Director either to fill in a casual vacancy or as an addition to the Board but so that the total number of Directors shall not at any time exceed the maximum number fixed as above. Any Directors so appointed shall hold office only until the next Annual General Meeting of the Company, but shall then be eligible for reappointment.

50) The Board of Directors may appoint an alternate Director to act for Director (hereinafter referred to as "Original Director") during his absence for a period of not less than three months from the State in which the meetings of the Board are ordinarily held, such alternate Director shall vacate office if and when the Original Director returns to the State in which the meetings of the Board are ordinarily held. If the term of office of the Original Director is determined before he so return to the State, provisions for the automatic re-appointment shall apply to the original and not to the alternate Director.

51) The Company in General Meeting appoint as a Special Director a person having special experience or who can otherwise be useful to the Company in the business carried on by the Company.

52) If and when debentures of the Company shall be issued, the holder thereof shall have the right to appoint a Director in accordance with the provisions of Trust Deed securing the said debentures. The Directors appointed under this Article is hereinafter referred to as "the Debenture Director" and the term Debenture Director means the Director for the time being in office under this Article.

53) The Business of the Company shall be managed by the Directors, who may exercise all such powers of the Company and do all such acts and things as are not required by the Act or by these

Articles to be exercised by the Company in General Meeting, subject nevertheless to the provisions of these articles and of the act, and no regulation made by the Company in General Meeting shall invalidate any prior act of any Director which would have been valid if such regulation had not been made.

PROCEEDINGS OF THE BOARD

54) The Directors may meet together for the dispatch of business and adjourn or otherwise regulate their Meetings as they think fit. Until otherwise determined, the quorum for a meeting of the Board shall be one-third of its total strength of two Directors, whichever is higher.

55) The Directors may, when necessary, shall meeting together at least once in every three calender months and four times in a year for the dispatch of business, adjourn and otherwise regulate their meetings and proceedings of the meeting shall be recorded in writing.

56) The Continuing Directors may act notwithstanding any vacancy in their body, but if and so long as the number of Directors is reduced below the number fixed by or pursuant to the Regulations of the Company as the necessary quorum of Directors, the continuing Directors may act for the purpose of increasing the number of Directors to that number of or summoning a General Meeting of the Company, but for no other purpose.

57) The Company may from time to time in General Meeting increase or reduce the number of Directors. The Company may by an ordinary resolution remove any Director in accordance with Section 284 of the Act.

58) The Directors shall have power at any time and from time to time to appoint any other person to be a Director of the Company, either to fill a casual vacancy or as an addition to the Board, but so that the total number of Directors shall not at any time exceed the maximum number as herein above mentioned.

59) Save as otherwise expressly provided in the Act, questions arising at any meeting of the Board shall be decided by a majority of votes.

60) In case of an equality of votes, the Chairman of the Board, if any, shall have a second or casting vote.

61) Subject to Section 289, a resolution in writing signed by majority of the Directors passed at a meeting duly convened, held and constituted will be deemed to have been duly passed by the Board.

62) All acts done by any Meeting of the Directors or by any person acting as Director shall, notwithstanding that it be afterwards discovered that there was some defect in the appointment of any such Directors or persons acting as aforesaid or that they or any of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a Director.

BORROWING POWERS

63) The Directors may submit to the provisions of Sections 292 and 293 of the Act from time to time at their discretion raise, borrow or secure payment of any sum or sums of money for the purpose of the Company. Payment or re-payment of such moneys may be raised or secured in such a manner and upon such terms and conditions in all respects as they think fit and in particular by the issue of Bonds, charged upon the whole or any part of the property of the Company both present and future including uncalled capital for the time being.

64) The Debentures, Debenture-stock, Bonds and other securities may be made assignable free from any equities between the Company and the person to whom the same maybe assigned.

MANAGING DIRECTORS AND WHOLETIME DIRECTORS

65) The Directors may from time to time appoint any one or more of their body to be a Managing Director or Managing or Wholetime Directors for such period and upon terms as they may think fit.

66) Subject to any contract between the Company and a Managing Director or Wholetime Director, the remuneration of a Managing Director or Wholetime Director shall from time to time be fixed by the Directors in accordance with the provisions of the Act.

67) A Managing Director and/or Wholetime Director shall not, while he continues to hold that office be subject to retirement by rotation, and shall not be taken into account in determining the rotation of Directors, but he shall be subject to the same provisions as to resignation etc., as to other Directors of the Company and if he ceased to hold the office of Director, he shall ipso facto and immediately cease to be a Managing Director or Wholetime Director.

68) The Directors may from time to time entrust to and confer upon a Managing Director or Wholetime Director for the time being such of the powers exercisable under these Articles by the Directors as they may think fit and may confer such power for such time and on such conditions and with such restrictions as they think expedient, for

such objects and purposes, and upon such terms and they may confer such power either collaterally with or to the exclusion of and in substitution for all or any of the powers of the Directors in that behalf and may from time to time revoke, withdraw, alter or vary all or any such powers. Unless and until otherwise determined, a Managing Director or Wholetime Director may exercise all the powers exercisable by the Directors save such powers as the Act or by these Articles or any resolutions shall be exercisable by the Directors themselves.

69) Except as may be delegated by the Board under Section 292 of the Act, the Managing Director shall not exercise the power to : -

1) make calls on shareholders in respect of monies unpaid on the shares of the Company;

2) invest the funds of the Company or make loans or borrow monies or issue debentures.

MANAGING COMMITTEE

70) The Directors may from time to time appoint a Managing Committee for such period and upon such terms as they may think fit and vest in the Managing Committee such of the powers as are hereby vested in the Directors generally as they may think fit and upon such conditions and subject to such restrictions and generally upon such terms as to remunerate or otherwise as they may determine.

71) The Directors may from time to time appoint any person as member of the Managing Committee and may appoint any one of such members to be Chairman of the Managing Committee on such terms and conditions and subject to such restrictions and may vest in them such of the powers as are vested in the Directors generally as they may deem fit.

SECRETARY

72) The Board may, from time to time appoint any person to be the Secretary of the Company for such term at such remuneration with such power and duties and upon such conditions as it may think fit and Secretary so appointed may be removed by the Board but without prejudice to any claim for damages for breach of any contract of service between him and the Company.

DIVIDENDS AND RESERVE

73) Subject to the provisions of Section 205 and the rights of holders of preference shares, if any, and to any resolution of the Company attaching any special privileges to other shares and to the provisions of these Articles the net profit of the

Company, after making provisions, if any, for sinking, depreciation and reserve funds and for carrying over balance for the next year, shall be divisible among the equity shares held by them respectively. No dividend shall be paid otherwise than out of profits of any undistributed profits.

74) The Company in General Meeting may declare dividends, but dividend shall not exceed the amount recommended by the Board.

75) The Board may from time to time pay to the members such interim dividends as appear to it to be justified by the profits of the Company.

76) 1) The Board, may before recommending any dividend set aside, out of the profits of the Company, such sums as it thinks proper as a reserves which for shall, at the discretion of the Board, be applicable for any purposes to which the profits of the Company may be - properly applied, including provision for meeting contingencies or for equalising dividends, and pending such application, may, at the like discretion either be employed in the business of the Company or be invested in such investments (other than shares of the Company) as the Board may, from time to time, think fit.

2) The Board may also carry forward any profits which it may think prudent not to distribute without setting them aside as a reserve.

77) 1) Subject to the rights of persons, if any, entitled to shares with special rights as to dividends, all dividends shall be declared and paid according to the amounts paid or credited as paid on the shares in respect whereof the dividend is paid, but, if and so long as nothing is paid upon any of the shares in the Company, dividends may be declared and paid according to the amounts of the shares.

2) No amount paid or credited as paid on a share in advance calls shall be treated for the purposes of this regulation as paid on the share.

3) All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares during any portion of the period in respect of which the dividend is paid but if any share is issued on terms providing that it shall rank for dividend as from a particular date such share rank for dividends accordingly.

78) The Board may deduct from any dividend payable to any member all sums of money, if any, presently payable by him to the Company on account of calls or otherwise in relation to the shares of the Company.

79) 1) Any dividend, interest or other monies payable in cash in respect of shares may be paid by cheque or warrant sent through the post, directed to the registered address of the holder, in the case of joint-holders, to the registered address of one of the joint-holders who is first named in the Register of the Members or to such persons and to such address as the holder or joint-holder may in writing direct.

2) Every such cheque or warrant shall be made payable to the Order of the person to whom it is sent.

80) Any one of two or more joint-holders of a share may give effectual receipts for any dividends, bonuses or other monies payable in respect of such share.

81) Notice of any dividend that may have been declared shall be given to the persons entitled to share therein in the manner mentioned in the Act.

82) Subject to the provisions of the Act, no dividend shall bear interest against the Company.

ACCOUNTS

83) The Board shall cause proper books of accounts (being such books of accounts as are necessary to give a true and fair view of the State of the Company's affairs and to explain its transactions) to be kept with respect to : -

1) all sums of money received and expanded by the Company and the matters in respect of which such receipts and expenditures take place;

2) all sales and purchases of goods by the Company; and

3) the assets and liabilities of the Company.

84) The books of accounts shall be kept at the Registered Office or (subject to the provisions of the Act) at such other place as the Board may determine and shall always be open to the inspection of the Board.

85) 1) The Board shall from time to time determine whether and to what extent and at what times and places and under what conditions or regulations, the accounts and books of the Company or any of them shall be open to the inspection of members not being directors.

2) No members (not being a director) shall have any right of inspecting any account or book or document of the Company except as conferred by Law or authorised by the Board or by the Company in General Meeting.

A U D I T

86) Auditors shall be appointed and their duties regulated in accordance with Sections 224, 225, 227, 230 and 231 of the Companies Act or any statutory modifications thereof for the time being in force, so far as the same may apply to this Company.

S E A L

87) The Directors shall provide a Common Seal for the purposes of the Company and shall have power from time to time to destroy the same and substitute a new seal in lieu thereof and the Directors shall provide for the safe custody of the seal for the time being and the seal shall never be used except by the Authority of a Resolution of the Board of Directors or a Committee of the Directors. Provided, however, that if there shall be only one Director present the Seal of the Company may be used without the authority of a Resolution of the Board of Directors.

88) Every deed or instrument to which the Seal of the Company is required to be affixed shall, unless the same is executed by a duly constituted attorney for the Company be signed by one Director and the Seal shall be affixed thereto in his presence.

89) Every officer or agent for the time being of the Company shall be indemnified out of the assets of the Company against any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgement is given in his favour or in which he is acquitted or in connection with any application under Sections 663 in which relief is granted to him by the Court.

90) Subject to the provisions of Section 201 of the Companies Act, no Director, Auditor or other officer of the Company shall be liable for the acts, receipts, neglects or defaults in any act for conformity for any loss or expenses happening to the Company through the insufficiency or any security in or upon which any of the monies of the Company shall be invested or for any loss or damage arising from the bankruptcy or insolvency or tortuous act of any persons with whom any monies, securities or effects shall be deposited or any loss occasioned by any error or judgement, omission, default or oversight on his part or for any other loss, damage or misfortune whatever, which shall happen in relation to the execution of the duties of his office or in relation thereto unless the same happens through his own dishonesty.

SECRECY

91) No member shall be entitled to require or receive any information concerning the business trading or customers of the Company, or any trade secret, process of or used by the Company, beyond such information as to accounts and business of the Company as is by these presents or by the Act directed to be laid before the Company in General Meeting.

92) Subject to the provisions of the Act, every Director, Manager, Auditor, Secretary, Accountant, Member or other person employed in the business of the Company, shall when required sign a declaration pledging himself to observe a strict secrecy respecting all transactions of the Company with the customers and the state of accounts with individuals and in matters relating thereto and shall by such declaration pledge himself not to reveal any of the matters which may come to his knowledge in the discharge of his duties, except when required so to do by the Directors or the Auditors or by a resolution of the Company in General Meeting or by a Court of Law or by the persons to whom matters relates and except so far as may be necessary in order to comply with any of the provisions in these presents contained. Nothing herein contained shall affect the powers of the Central Government or any office appointed by the Government to enquire or to hold an investigation into any Company's affairs.

WINDING UP

93) If the Company shall be wound up and the assets available for distribution among the members as such shall be insufficient to repay the whole of the paid-up capital, such assets shall be distributed so that as nearly as may be the losses shall be borne by the members in proportion to the capital paid-up or which ought to have been paid-up as at the commencement of the winding up on the shares held by them respectively. And if in a winding up of the assets available for distribution among the members shall be more than sufficient to repay the whole of the capital paid-up at the commencement of the winding up, the excess shall be distributed amongst the members in proportion to the capital at the commencement of the winding up, paid up or which ought to have been paid up on the shares held by them respectively. But this Article is to be without prejudice to the right of the holders of shares issued upon special terms and conditions.

94) If the Company shall be wound up whether voluntary or otherwise, liquidators may with the sanction of a Special Resolution, divide amongst the members, in specie or kind part of the assets of the Company as the liquidators, with the like sanction shall think fit.

We, the several persons whose names and addresses are subscribed below are desirous of being formed into a Company in pursuance of this Articles of Association.

Name, address, description and occupation of each Subscriber.	Signature of Subscriber	Signature of witness, his name, address, description and occupation.
Navinchandra Premchand Chokasi S/o. Premchand Thakarsi Chokasi 653, Raviwar Peth, Nashik - 422 001. Occ : Business.	Sd/-	Witness to all Sd/- **Abhay Ramakant Sadavarte** S/o Ramakant Laxman Sadavarte 1990-A, Somwar Peth, Nashik - 422 001. Occ : Business
Ramesh Premchand Chokasi S/o. Premchand Thakarsi Chokasi 653, Raviwar Peth, Nashik - 422 001. Occ : Business	Sd/-	

Dated : 22nd August, 1996 at Nashik.

M/S. S S MUTHA & CO.
CHARTERED ACCOUNTANTS

Off: 1st Floor, Vasant Market, Canada Corner, Nashik – 422 002.
Tel.:0253-2314307 Mobile: 9422256548 Email: cassmutha@gmail.com

UDIN: 24146965BKBNDA1932

CERTIFICATE

This is to certify that the Gross Turnover of M/s. Anand Construwell Private Limited (PAN: AAFCA7736H) having registered office at Ramchandra Apartment, Makhmalabad Naka, Panchavati, Nashik - 422003 for the last three financial years are as under -

FINANCIAL YEAR	TURNOVER (Rs. IN LAKHS)
2021-22	14,079.73
2022-23	12,638.30
2023-24	10,788.00

The Gross Average Turnover in Lakhs for last 3 years is Rs. 12,502.01/-

This certificate is issued on request of our above mentioned client and on the basis of our verification of the audited financial statements for financial years 2021-22, 2022-23 and 2023-24 produced before us.

For M/S. S S MUTHA & CO.,
CHARTERED ACCOUNTANTS
(Firm Registration No. 114117W)

M/s. S S Mutha & Co. NASHIK Firm Regn.No 114117W CHARTERED ACCOUNTANTS

CA BURHANUDDIN Z. VOHRA
PARTNER
(Membership No.146965)

NASHIK
25/10/2024

ANAND CONSTRUWELL PVT. LTD. NASIK

M/S. S S MUTHA & CO.
CHARTERED ACCOUNTANTS

Off: 1st Floor, Vasant Market, Canada Corner, Nashik – 422 002.
Tel.: 0253-2314307 Mobile: 9422256548 Email : cassmutha@gmail.com

UDIN: 25146965BMJHVB7247

CERTIFICATE

This is to certify that the Gross Turnover of M/s. Anand Construwell Private Limited (PAN: AAFCA7736H) having registered office at Ramchandra Apartment, Makhmalabad Naka, Panchavati, Nashik-422003 for the last five financial years are as under -

FINANCIAL YEAR	GROSS TURNOVER (RS. IN LACS)
2022-23	12,638.30
2023-24	10,788.00
2024-25	12,310.96

This certificate is issued on the request of our abovementioned client and on basis of our verification of audited Financial Statements for financial years 2022-23 and 2023-24 and unaudited books of accounts for the financial year 2024-25, produced before us.

For M/S. S S MUTHA & CO.,
CHARTERED ACCOUNTANTS
(Firm Registration No. 114117W)

M/s. S S Mutha & Co. NASHIK Firm Regn.No. 114117W CHARTERED ACCOUNTANTS

CA BURHANUDDIN Z. VOHRA
PARTNER
(Membership No. 146965)

NASHIK
19/05/2025

M/s. S S MUTHA AND CO.
CHARTERED ACCOUNTANTS

Off: 1st Floor, Vasant Market, Canada Corner, Nashik-422 002
Tel.: 0253-2314307 Mobile: 9422256548 Email: cassmutha@gmail.com

UDIN: 24146965BKBNDG6283

CERTIFICATE

This is to Certify that the Gross Turnover, Net Worth and Net Cash Accruals of Anand Construwell Private Limited (PAN: AAFCA7736H), having its registered office at Ramchandra Apartment, Makhmalabad Naka, Panchavati, Nashik - 422003, for the last five financial years are as under-

(Amount in Lakhs)

SR. NO.	PARTICULARS	FINANCIAL YEAR				
		2019-20	2020-21	2021-22	2022-23	2023-24
1	Gross Turnover	12,178.4	12,250.23	14,079.73	12,638.30	10,788.00
2	Net Worth	3,587.02	4,224.75	5,011.19	5727.27	6,687.34
3	Net Cash Accruals	655.13	748.32	863.07	796.85	1,049.61

This certificate is issued on request of our above mentioned client and on the basis of our verification of the audited financial statements for the financial years 2019-20 to 2023-24.

For M/s. S S MUTHA & CO.,
CHARTERED ACCOUNTANTS
(Firm Registration No. 114117W)

M/s. S S Mutha & Co. NASHIK Firm Regn.No. 114117W CHARTERED ACCOUNTANTS

CA BURHANUDDIN Z. VOHRA
PARTNER
(Membership No: 146965)

25/10/2024
NASHIK

7. उपयुक्त लेखा सं. 1, 2, 10, 21 और 22 में किया जानेवाला विशेष अंशदान चालान द्वारा किया जाए एवं बैंक द्वारा प्राप्त पावती चालान की प्रति प्रपत्र सं. 12-ए (निम्नलिखित ब्यौरों के अनुसार) के साथ संलग्न करके इस कार्यालय को भेजी जाए।

7. The deposit in the above Account Viz. No. 1, 2, 10, 21 and 22 are to be made by sparat challan and a copy of the challan as receipted by the Bank may by forwarded to this office duly attache with form 12-A (explained below).

8. आपको निम्नलिखित विवरणियों का संधारण/प्रेषण करना है।

8. You are required to maintain/forward the following returns.

1 क. भ. नि. योजना 1952 के अन्तर्गत प्रपत्र संख्या 9 तथा प. पे. योजना 1971 के अन्तर्गत प्रपत्र सं. 3 (प.पे नि) (i) Form No. 9 under the EPF Scheme 1952 & Form No. 3 (EPF) under the E.P.F. Scheme, 1971.	योजना के अन्तर्गत फैक्ट्री/स्थापना की व्याप्ति की तारीख पर जिन्हें सदस्य बनाना आवश्यक है या जो सदस्य बनने के लिए पात्र हैं, उन कर्मचारियों के बारे में केवल एक बार इसे इस कार्यालय में प्रस्तुत करना है। These are to be submitted to this office once in respect of those employees who are required or entitled to become members on the date of the factory/establishment is covered under the Scheme.
2 कर्मचारी भ. नि. योजना 1952 तथा प. पे. नि. योजना 1971 के अन्तर्गत प्रपत्र नं. 2 (ii) Form No.2 under the EPF Scheme 1952 and also under E.P. F. Scheme, 1971.	इन्हें इस कार्यालय को भेजने के लिए प्रत्येक सदस्य से दो प्रतियों में प्राप्त करना है। These are to be obtained in duplicate from every member for submission to this office.
3 प्रपत्र सं. 5-ए (iii) Form No. 5-A	यह इस कार्यालय को प्रस्तुत किया जाएगा। यदि कोई भी अवार उत्तरवर्ती परिवर्तन हो जाए तो उसे इस प्रपत्र के जरिए इस कार्यालय को सूचित किया जाए। This is to be submitted to this office. Any subsequent change in ownership is also to be notified to this office through this form.
4. प्रपत्र सं. 3-ए (iv) Form No. 3-A	इसे प्रत्येक सदस्य कर्मचारी के बारे में फैक्ट्री स्थापना में परिरक्षित किया जाना है। This is to be maintained at the factory/establishment in respect of every employee who is a member.
5. प्रपत्र सं. 6-ए (v) Form No. 6-A	यह अंशदान की वार्षिक विवरणी है और इसे वित्तीय वर्ष की समाप्ति पर 30 दिन के अन्दर इस कार्यालय को भेजा जाना है। This is the annual return of contributions and is to be submitted to this office within 30 days of the close of the financial year.
6 प्रपत्र सं. 12-ए (vi) Form No 12-A	यह अंशदान की मासिक विवरणी है और इसे 15 तारीख तक इस कार्यालय को भेजा जाना है। भारतीय स्टेट बैंक में किए गए निक्षेप के पुष्टिकरण हेतु चालान की प्रतियां इसके साथ संलग्न की जाए। This is the monthly return of contributions and is to be submitted to this office by 25th Copies of the challan, in support of the deposits madein the State Bank of India should be attached with this
7. प्रपत्र सं. 5 और 10 (vii) Form No 5 & 10	यह महिने में जिन कर्मचारियों को सदस्य बनाया गया है तथा जिन कर्मचारियों ने सेवा त्याग दी है उनके सम्बन्धित विवरणियां हैं जिन्हें 25 तारीख तक इस कार्यालय को भेजा जाता है। These are the returns of employees who have become new members or have left the service in the month and are to be submitted to this office by the 25th.

15. कर्मचारी को उसका वेतन देने से पहले आप उसके वेतन से कर्मचारी के अंशदान की कटौती कर लें और मालिक अंशदान एवं प्रशासनिक खर्चों की रकम के साथ प्रत्येक महिने की समाप्ति के 15 दिन के अन्दर भारतीय स्टेट बैंक द्वारा पृथक्त निधि के रूप में अलग चालान द्वारा निम्नलिखित प्रकार से भरें।

5. Before paying the member his wages, you shall deduct the employees contributions from his wages which together with your own contribution and administrative charges shall, within 15 days of the close of every month be paid in the Accounts of the Fund maintained by the State Bank of India by separate challans in the following manner :

(क) भ. नि. अंशदान (दोनों— कर्मचारी एवं नियोक्ता का)	कर्मचारी भविष्य निधि लेखा सं. 1 में निक्षेपित किया जाए।
(a) P.F. contributions (both employees' and employer's)	To be deposited in Employees' Provident Fund Account No. 1
(ख) प्रशासनिक खर्चों की रकम	कर्मचारी भविष्य निधि लेखा सं. 2 में निक्षेपित किया जाए
(b) Administrative charges	To be deposited in Employees' Provident Fund Account No. 2
(ग) परिवार पेन्शन अंशदान	कर्मचारी परिवार पेन्शन निधि लेखा सं 10 में निक्षेपित किया जाए।
(c) Family Pension contributions	To be deposited in Employees' Family Pension Fund Account No. 10.

टिप्पणी :– 1. प्रशासनिक खर्चों की दर वेतन के, जिसमें मूल वेतन, महंगाई भत्ता और अगर हो तो प्रतिधारण भत्ते के 0.37% है। जिस स्थापना द्वारा प्रशासनिक खर्चों का रकम प्रतिमास 5.00 रुपये से कम परिकलित होती हो, उसके द्वारा प्रशासनिक खर्चों की रकम प्रतिमास कम से कम 5.00 रुपये देय होगी।

NOTE : (i) The rate of administrative charges is 0.37% of pay i.e. basic wages, dearness allowance including cash value of any food concession and retaining allowance, if any.

2. यह भी नोट कर लिया जाए की वास्तव के वेतन व अन्य समय कटौती न करने पर अंशदान के दोनों हिस्सों को नियोक्ता को भरने होंगे क्यों कि उत्तरवर्ती वेतन से विगत अवधि के लिए पहले अंशदान की वसूली निषिद्ध है।

(ii) It may be noted that if timely deductions are not made from the members wages, the employer will have to pay both the shares himself as the recovery of arrears contributions for back period from the subsequent wages of the employee is prohibited.

3. आपको सभी पात्र कर्मचारियों के संबंध में विगत _____ से _____ तक के महिनों के लिए अभिप्राप्त निधि कुल अंशदान इस पत्र की तारीख के 30 दिन के अन्दर सम्बन्धित खाते में निक्षेपित करना है।

(iii) You have to deposit the P.F. contributions of the eligible employees for all the past months namely from 01/08/1995 to 20/09/1995 into the respective account within 30 days from the date of this letter.

4. धन प्रेषण हेतु सम्बन्धित चालान इस कार्यालय या विभिन्न जिलों में स्थित निकटतम शाखाओं से प्राप्त किये जा सकते हैं।

(iv) The relevant challans for the purpose of remittance of can be had from any branch of the State Bank of India.

5. ऐसे सभी सदस्यों के भ. नि. लेखा सं. 1, 2, 10, 21 और 22 के बारे में लिखकर चालानों की चार प्रतियों के साथ भारतीय स्टेट बैंक की किसी भी शाखा में प्रस्तुत किये जाए।

6. लेखा संख्या 1, 2 और 10 में (उपयुक्त रूपरेखा के अनुसार) दिये जाने वाले निक्षेप के अतिरिक्त आपको कर्मचारी संबद्ध बीमा योजना 1976 के अन्तर्गत लेखा सं. 21 और 22 में निम्नलिखित प्रकार से चालीसा निक्षेप प्रत्येक महिने की समाप्ति के बाद अगले महिने के 15 दिन के अन्दर करना है।

6. Besides making deposits in Account Nos. 1, 2 and 10 (as explained above), you are also required to deposit the amounts in Account No. 21 and 22 under the Employees' Deposit Linked Insurance Scheme, 1976 in the manner indicated below within 15 days of the close of each month.

1. निक्षेप सहबद्ध बीमा निधि लेखा सं. 21	इस लेखा में नियोक्ता द्वारा कर्मचारी को देय मूल वेतन, महंगाई भत्ता (अगर सुविधा की नकद कीमत के साथ) और अगर हो तो प्रतिधारण भत्ते की कुल राशि पर 0.5% की दर से अंशदान निक्षेपित करना है।
1) Deposit Linked insurance Fund Account No. 21	To this account will be deposited the contribution @0.5% which will be the aggregate of the basic wages dearness allowance (including cash value of food concession) and retaing allowance, if any, payable to the employees by employer.
2. प्रशासन खाता निधि प्रशासन लेखा सं. 22	इस लेखा में नियोक्ता द्वारा कर्मचारी को देय मूल वेतन, महंगाई भत्ता (अगर सुविधा की नकद कीमत के साथ) और अगर हो तो प्रतिधारण भत्ते की कुल राशि पर 0.1% की दर से प्रशासनिक खर्चों का रकम निक्षेपित करना है।
ii) Regional Insurance Fund Administration Account No. 22	To this account will be deposited the administrative charges @0.1% which will be the aggregate of the basic wages dearness allowance (including the cash value of food concession) and retaining allowance, if any, payable to the employees by employer.

1-क. आपकी कर्मचारी भविष्य निधि एवं प्रकीर्ण उपलब्ध अधिनियम 1952 और उसके अधीन बनाई गई योजना के उपबन्धों का अनुपालन करने के लिए एमएच/ _____ यह संकेत संख्या निदेश की है। यह संकेत संख्या इस कार्यालय के साथ किये जाने वाले सभी पत्राचार पर निम्न रूप से उद्धृत की जाए।

1-C The code No. MH/ 51538 ..... is allotted to you for the purpose of making compliance with the provisions of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 and the Scheme framed thereunder. This code number should invariably be quoted in all the correspondence with this office.

2. आपको _____ से कर्मचारी भविष्य निधि योजना _____ से परिवार पेन्शन योजना तथा _____ से निक्षेप सहबद्ध बीमा योजना के उपबन्धों को कार्यान्वित करना है, अगर अभी तक न किये हो, तो।

2. You are required to implement the provisions of the Employees' Provident Fund Scheme w.e.f. 01/08/1952 ..... Family Pension Scheme w.e.f. 01/08/1971 ..... and Deposit Linked Insurance Scheme w.e.f. 01/07/1976 if not already done.

3. फैक्ट्री/स्थापना में या उसके काम के सम्बन्ध में कार्य करने वाला कर्मचारी भविष्य निधि योजना 1952 की धारा 26 के अनुसार निधि की सदस्यता के लिए पात्र होगा।

3. As provided in para 26 of the Employees' Provident Fund Scheme, 1952, an employee working in or in connection with the work of the factory/establishment shall be eligible for membership of the fund

4. 1 हर महिने प्रत्येक कर्मचारी को देय मूल वेतन, महंगाई भत्ता (प्रतिधारण भत्ता यदि कोई हो तो उसके मूल्य सहित) और अगर हो तो प्रतिधारण भत्ते के 6½%/8⅓%/8⅓%/10% की दर से अंशदान नियोक्ता द्वारा देय होगा। कर्मचारी द्वारा देय अंशदान नियोक्ता द्वारा देय अंशदान के बराबर होगा।

4. (i) The contributions payable be the employer shall be at the rate of 6½%/8⅓% of basic wages, dearness allowance (including cash value of food concession) and retaining allowance, if any, payable to each employee, every month. The contribution payable by the employee shall be equal to the contribution payable by the employer.

2. अंशदान पूरे महिने में प्राप्त किये मूल वेतन, महंगाई भत्ता आदि के आधार पर परिकलित किया जाए, चाहे वह दैनिक, साप्ताहिक, पाक्षिक या मासिक आधार पर अदा किया हो।

(ii) The contributions shall be calculated on the basic wages, dearness allowance etc. actually drawn during the whole month whether paid on daily, weekly, fortnightly or monthly basis.

3. प्रत्येक अंशदान रुपये के नजदीक के चतुर्थांश में परिकलित किया जाएगा। यदि कि 12.5 या उससे अधिक पैसे होने पर उसे रुपये के उच्च चतुर्थांश के अनुसार गिने जाते।

(iii) Each contributions shall be calculated to the nearest quarter of a rupee i.e. 12.5 paise or more to be counted as the next higher quarter of a rupee.

4. अंशदान की परिगणना हेतु वेतन नजदीक के रुपये में पूर्णांकित किया जाए जैसे कि 50 या उससे अधिक पैसे एक रुपया के अनुसार गिने जाए और 50 से कम पैसे छोड़ दिये जाए।

(iv) For the purpose of calculation of contributions, the wages may be rounded off to the nearest rupee i.e. 50 paise or more being taken as one rupee and less than 50 paise being ignored.

टिप्पणी :- किसी भी दिन अपने 50 या 50 से अधिक व्यक्तियों को काम पर रखने पर आप 8% अंशदान देने के लिए उत्तरदायी होंगे।

NOTE : On your employing 50 or more than 50 persons on any day, you will be liable to pay contributions — 8%.

5. नियोक्ता प्रथमतः स्वयं और कर्मचारी की ओर से देय दोनों अंशदान करे।

(v) The employer shall in the first instance, pay both contributions payable by himself and also on behalf of the member.

6. ठेकेदार द्वारा कामपर लगाये हुए कर्मचारियों के बारे में देय अंशदान ठेकेदार वसूल करेगा और उसके अंशदान की रकमों के समान अंशदान की राशी प्रधाननियोक्ता की रकम के साथ कुल मिलाकर की अदायगी करेगा।

(vi) In respect of employee employed by or through a contractor, the contractor shall recover the contribution payable by such employees and shall pay to the principal employer the amount of members contribution so deducted together with an equal amount of contributions and administrative charges.

7. मुख्य नियोक्ता पर उसके कर्मचारियों के एवं ठेकेदार द्वारा कामपर लगाये गये कर्मचारियों के बारे में देय दोनों अंशदान और प्रशासनिक खर्चों का रकम भरने का जिम्मेदारी होगा।

(vii) It shall be the responsibility of the principal employer to pay both the contributions payable by himself in respect of employees employed by him and also in respect of employees employed by or through a contractor and also Administrative charges.

क्षेत्रीय भविष्य निधि आयुक्त का कार्यालय
OFFICE OF THE REGIONAL PROVIDENT FUND COMMISSIONER

भविष्य निधि भवन 341, बांद्रा (पूर्व) बम्बई-400 051.
Bhavishya Nidhi Bhavan, 341 Bandra (East), Bombay-400 051.

क्र. सहा/भ. नि./प्रवेश्यता।
No. MH/PF/APP/ 1676

दिनांक :
Date : 30/10/00

प्रेषक है
To

Dear Sir,

विषय :— कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम 1952 और उसके अधीन बनाई गई योजना — संस्था की प्रवेश्यता — संकेत संख्या का आवंटन।

Sub : Employees' Provident Funds and Miscellaneous Provision Act, 1952 and the scheme framed thereunder—applicability thereof—Allotment of code number.

महोदय,
Sirs,

1. आपकी (कंपनी/स्थापना) उसकी सभी शाखाएं और विभागों के साथ दि. _____ से कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम 1952 और उसके अधीन बनाई गई योजना के प्रविधान लागू में लाया गया है। उपलब्ध सूचना की के अनुसार यह प्रकट होता है कि :—

1. Your factory/establishment with all its branches and departments is brought within the purview of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 and the Scheme framed thereunder with effect from 01/08/2000. The information made available reveals that—

1. आपकी फैक्ट्री अनुसूचि 1 में उल्लिखित उद्योग _____ का कार्य करती है जिसपर अधिनियम की धारा 1 (3) के अधीन कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम 1952 लागू होता है।

(i) Your factory is engaged in _____ one of the Industries specified in Schedule 1 to which the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 is applicable under section 1 (3) (a) of the Act,

2. आपकी स्थापना _____ के लिए वर्गीकृत की गई है जिसपर अधिनियम की धारा 1 (3) (बी) के अधीन भारत सरकार द्वारा जारी की गई अधिसूचना के अनुसार कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम 1952 लागू किया है।

(ii) Yours is an establishment classified as _____ to which the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 has been made applicable by the Government of India by a Notification issued under section 1 (3) (b) of the Act,

3. आपकी फैक्ट्री/स्थापना पर लागू करनी है वह अनुसूचि 1 में उल्लिखित उद्योग में नहीं लगाई गई है। अतः अधिनियम की धारा 1 (3) (बी) के अनुसार भारत सरकार द्वारा अनुसूचित उद्योगधंधों के रूप में अधिसूचित नहीं है। अतः आपके स्थापना को अनुसूचित किया गया है।

1-क. कवि प्रवेश्यता/उपलब्ध सूचना के आधार पर प्रदान की गई है; किन्तु इस शर्त पर कि आपके पूर्व अवधि के रजिस्टर सत्यापित हो जाएं।

1-A The coverage is provisional on the basis of enquiries made/information available and is subject to further verification of your records for prior periods.

1-ख. अधिनियम की धारा (1) (4) के अनुसार कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम 1952 के स्वैच्छिक रूप से विस्तार के सम्बन्ध में प्रस्तुत आपके आवेदन सं. _____ दि. _____ के सन्दर्भ में कर्मचारी भविष्य निधि एवं प्रकीर्ण उपबन्ध अधिनियम की धारा 1 की उपधारा (4) द्वारा प्रदत्त अधिकार का प्रयोग करते हुए भारत सरकार द्वारा अधिसूचना जारी होने तक आपकी स्थापना को तात्कालिक रूप से दि. _____ से संस्था कोड संख्या निम्न प्रकार आवंटित की गई है :

1-b With reference to your application No _____ Dated _____ received for extension of Employees' Provident Funds and Miscellaneous Provisions Act, 1952 under section 1 (4) of the Act, on a voluntary basis, a code number is hereby allotted to your establishment namely MH/_____ provisionally covering your establishment with effect from _____ pending issue of a notification by the Govt. of India in exercise of the power conferred on them by sub-section (4) of Section 1 of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952

भारतीय कामगार
कर्मचारी राज्य बीमा निगम
पंजीकृत पत्र (कार्यालय) नेहरूनगर पुणे 411033

आर. नं. 31646 / 2010 / 33000379590001009 दिनांक 03/03/2011

सेवा में

मैसर्स Anand Construwell Pvt ltd

विषय :- कर्मचारी राज्य बीमा अधिनियम 1948 (यथासंशोधित) का कार्यान्वयन - अधिनियम के अधीन अधिनियमित किए गए कारखानों / स्थापनाओं का पंजीकरण ।

महोदय,

इसके साथ कार्य सी-11 से आर. 31646 /2010/ 33000379590001009 दिनांक 03/03/2011 उचित अनुपालनहेतु संलग्न किया जा रहा है ।

भवदीय,

(एस.एस.नायर)
उप निदेशक

प्रतिलिपि :-

1 इ डी पी कक्ष
2 निरीक्षण नियंत्रण शाखा
3 सामाजिक सुरक्षा अधिकारी NASIK-I प्रभाग
4 प्रबंधक शाखा कार्यालय AMBAD
5 बीमा शाखा IV

ANAND CONSTRUWELL PVT. LTD.

33/30/37058/2007/DC

In the Bhoge with the above [illegible] by the [illegible] Industrial Estate [illegible] Contractor Panchsheel Brokers, Nashik [illegible]

The branches of State Bank of India, as specified in the list enclosed herewith, have been authorised to receive the payments of contributions and other dues payable in respect of the branches under this Act through challans, which will be available free of cost with the Branch Office Manager.

It is requested that publicity may kindly be given to enable your employees to know their panel doctors, if necessary and the required forms may please be collected from the ESI Branch Office to which your employees will also be attached. To facilitate this, a list of branches of the Dispensaries of NASIK area is also enclosed.

Rule 51 of the ESI (Central) Rules, 1950 has been amended w.e.f. 01/01/04 which provides for rounding both the employer's contribution and employees' contribution to the next higher rupee in respect of each employee. You are, therefore, requested to pay monthly contributions as per the amended provisions of Rule 51.

Regulation 10-C has been inserted in the ESI (General) Regulations, 1950, w.e.f. 01/01/2005 which provides that the employer in respect of a factory or establishment to which this Act applies shall furnish to the appropriate Regional / Sub Regional/ Divisional Office by 31st of January every year, a return in Form 01-A. You are requested to submit the said return in Form 01-A every year so as to reach this office before 31st January of each year. A copy of Form 01-A is enclosed. You are requested to submit the said return for the current year to this office immediately.

The Corporation officials would be pleased to render all necessary and possible assistance to you in discharging your duties and obligations under the E.S.I. Act 1948, and I am confident of prompt and strict compliance with the provisions of the Act and the Regulations on your part.

Yours faithfully,

(S.S NAIR)
(DY DIRECTOR

Encl:- As above.

Copy to the Manager Branch Office AMBAD for information and necessary action. He is advised to watch the submission of Declaration Forms by the employer and ensure early registration. He is also advised to submit a report thereon every fortnight. The No. of employees initially coverable is 25

Copy to the:- 1.EDP Cell, 2. Inspection Control Br., 3.Insurance Inspector NASIK-II Division for information and further necessary action.

(S.S NAIR)
(DY. DIRECTOR

PRINCIPAL EMPLOYERS ARE NOT ABSOLVED OF THEIR LIABILITY U/S 40 (1) AND 41 OF THE E.S.I. ACT, 1948 IN RESPECT OF EMPLOYEES ENGAGED THROUGH CONTRACTOR WITH OR WITHOUT ESI CODE NUMBER

FORM C-11 (V.95GD.A.P)

SUB REGIONAL OFFICE
EMPLOYEES' STATE INSURANCE CORPORATION
"PANCHDEEP BHAVAN, BIBVEWADI, PUNE - 411 037.
Phone No. 24211138/39, Email - dir-pune@esic.nic.in

No. R- 31646 / 2016 (3300037959000001009) Dated : 07-Mar-2016

To
M/s. Anand Constrowell Pvt ltd
Sanchanda Apartments
Nasik-Ahmadabad Naka
Panchwati, Nasik
422003

Shri/Smt Rajnish Indra Premchand Chokani
Shri/Smt
Phone No

Sub:- Implementation of the E.S.I. Act, 1948 (as amended)-Registration of factories / establishments coverable under the Act.

Sir,

I have to inform you that u/s 1(3) of the E.S.I. Act, 1948, the Central Govt. vid Notification No. S-38013/8/90 SSI dated 19/Mar/1990 has made the provisions of the Ac applicable to all the factories coverable u/s 2(12) of the Act, within the area specified in the notificatio w.e.f. 01/Apr/1990

I have further to inform you that the appropriate government has extended the provisior of the Act to other establishments u/s 1(5) of the Act w.e.f. 16/May/1990 vide Notificatio No. S-38012/5/89 SSI dated 16/May/1990

Under section 2-A of the Act, such establishment to which the Act is applicable i required to register itself under the Act and Chapter IV thereof casts a responsibility on the principa employer thereof to insure its employees and to pay contribution in respect of such employees covere under the Act.

On the basis of the particulars in respect of your establishment submitted by you/ th report of the inspection of your establishment conducted by the Insurance Inspector o 18/01/2011 your establishment falls within the purview of sec. 1(5) of the E.S.I. Act, 1948 w.e. 01/10/2010 (Prov.) In case, however, subsequent facts reveal that your establishment wa coverable from a date prior to the date mentioned above, you shall be liable to comply with th provisions of the Act from such earlier date.

You are requested to take immediate steps for :

1. Registration of your employees (whose wages excluding remuneration for overtime ar Rs. 15,000/- or below per month) under the Act by filling in and submitting Declaration Forms alongwit the photographs of employees and their family members within 10 days of the receipt of this letter t Branch Office

2. Payment of contribution and submission of Returns.

3. Maintenance of all the relevant records as per the provisions of the Act and th Regulations framed thereunder, from the date of coverage of your establishment under the Act.

For the sake of convenience, your establishment has been allotted the Code N 3300037959000001009 which may be used in all communications sent to this office and all forms at the place indicated for the purpose.

You are attached to Branch Office AMBAD of the Corporation situated a 527, Bombay-Agra Road, Pathardiphata, Pashanpushpa, Ambad, Nashik 10

The Branch Office Manager has been instructed to render necessary assistance to you i connection with the registration of your employees etc. In case you find any difficulty or for any othe purpose which may be necessary in connection with the scheme, you are requested to contact th Manager of the above Branch Office who will render necessary help in the matter.

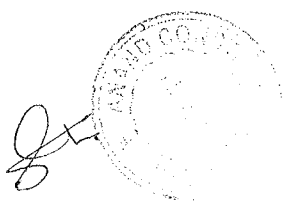
August 2025	3115.00	6047434.00	6047434.00	0.00

Verification:
I hereby solemnly affirm and declare that the information given herein above is true and correct to the best of my knowledge and belief and nothing has been concealed there from.

Date: 20/09/2025

Name of Authorized Signatory
NAVINCHANDRA CHOKASI

Designation /Status
DIRECTORS



(4) Inward supplies from ISD	0.00	0.00	0.00	0.00
(5) All other ITC	333577.70	6007027.18	6007027.18	0.00
B. ITC Reversed				
(1) As per rules 38,42 & 43 of CGST Rules and section 17(5)	0.00	0.00	0.00	0.00
(2) Others	0.00	0.00	0.00	0.00
C. Net ITC available (A-B)	336692.70	6100797.26	6100797.26	0.00
(D) Other Details	0.00	0.00	0.00	0.00
(1) ITC reclaimed which was reversed under Table 4(B)(2) in earlier tax period	0.00	0.00	0.00	0.00
(2) Ineligible ITC under section 16(4) & ITC restricted due to PoS rules	0.00	0.00	0.00	0.00

5 Values of exempt, nil-rated and non-GST inward supplies

Nature of Supplies	Inter- State supplies	Intra- State supplies
From a supplier under composition scheme, Exempt, Nil rated supply	0.00	0.00
Non GST supply	0.00	0.00

5.1 Interest and Late fee for previous tax period

Details	Integrated tax	Central tax	State/UT tax	Cess
System computed Interest	-	-	-	-
Interest Paid	0.00	0.00	0.00	0.00
Late fee	-	0.00	0.00	-

6.1 Payment of tax

Description	Tax payable	Adjustment of negative liability of previous tax period	Net Tax Payable	Tax paid through ITC				Tax paid in cash	Interest paid in cash	Late fee paid in cash
				Integrated tax	Central tax	State/UT tax	Cess			
(A) Other than reverse charge										
Integrated tax	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Central tax	5953664.00	0.00	5953664.00	336693.00	5616971.00	-	-	0.00	0.00	0.00
State/UT tax	5953664.00	0.00	5953664.00	0.00	-	5953664.00	-	0.00	0.00	0.00
Cess	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	-
(B) Reverse charge and supplies made u/s 9(5)										
Integrated tax	3115.00	0.00	3115.00	-	-	-	-	3115.00	-	-
Central tax	93770.00	0.00	93770.00	-	-	-	-	93770.00	-	-
State/UT tax	93770.00	0.00	93770.00	-	-	-	-	93770.00	-	-
Cess	0.00	0.00	0.00	-	-	-	-	0.00	-	-

Breakup of tax liability declared (for interest computation)

Period	Integrated tax	Central tax	State/UT tax	Cess

Form GSTR-3B

[See rule 61(5)]

Year	2025-26
Period	August

GSTIN of the supplier	27AAFCA7736H1ZI
2(a). Legal name of the registered person	ANAND CONSTRUWELL PRIVATE LIMITED
2(b). Trade name, if any	ANAND CONSTRUWELL PVT LTD
2(c). ARN	AB270825970487F
2(d). Date of ARN	20/09/2025

(Amount in ₹ for all tables)

3.1 Details of Outward supplies and inward supplies liable to reverse charge (other than those covered by Table 3.1.1)

Nature of Supplies	Total taxable value	Integrated tax	Central tax	State/UT tax	Cess
(a) Outward taxable supplies (other than zero rated, nil rated and exempted)	66452086.47	0.00	5953664.24	5953664.24	0.00
(b) Outward taxable supplies (zero rated)	0.00	0.00	-	-	0.00
(c) Other outward supplies (nil rated, exempted)	0.00	-	-	-	-
(d) Inward supplies (liable to reverse charge)	1145472.00	3115.00	93770.08	93770.08	0.00
(e) Non-GST outward supplies	0.00	-	-	-	-

3.1.1 Details of Supplies notified under section 9(5) of the CGST Act, 2017 and corresponding provisions in IGST/UTGST/ SGST Acts

Nature of Supplies	Total taxable value	Integrated tax	Central tax	State/ UT tax	Cess
(i) Taxable supplies on which electronic commerce operator pays tax u/s 9(5) [to be furnished by electronic commerce operator]	0.00	0.00	0.00	0.00	0.00
(ii) Taxable supplies made by registered person through electronic commerce operator, on which electronic commerce operator is required to pay tax u/s 9(5) [to be furnished by registered person making supplies through electronic commerce operator]	0.00	-	-	-	-

3.2 Out of supplies made in 3.1 (a) and 3.1.1 (i), details of inter-state supplies made

Nature of Supplies	Total taxable value	Integrated tax
Supplies made to Unregistered Persons	0.00	0.00
Supplies made to Composition Taxable Persons	0.00	0.00
Supplies made to UIN holders	0.00	0.00

4. Eligible ITC

Details	Integrated tax	Central tax	State/UT tax	Cess
A. ITC Available (whether in full or part)				
(1) Import of goods	0.00	0.00	0.00	0.00
(2) Import of services	0.00	0.00	0.00	0.00
(3) Inward supplies liable to reverse charge (other than 1 & 2 above)	3115.00	93770.08	93770.08	0.00

Annexure B

GSTIN	27AAFCA7736H1ZI
Legal Name	ANAND CONSTRUWELL PRIVATE LIMITED
Trade Name, if any	ANAND CONSTRUWELL PVT LTD

Details of Managing / Whole-time Directors and Key Managerial Persons

1		Name	NAVINCHANDRA PREMCHAND CHOKASI
		Designation/Status	DIRECTORS
		Resident of State	Maharashtra
2		Name	RAMESHCHANDRA PREMCHAND CHOKASI
		Designation/Status	DIRECTORS
		Resident of State	Maharashtra
3		Name	VEENA RAMESHCHANDRA CHOKASI
		Designation/Status	DIRECTORS
		Resident of State	Maharashtra
4		Name	SHAILENDRA NAVINCHABDRA CHOKASI
		Designation/Status	DIRECTOR
		Resident of State	Maharashtra
5		Name	ABHAY NAVINCHANDRA CHOKASI
		Designation/Status	DIRECTOR
		Resident of State	Maharashtra

Annexure A

GSTIN	27AAFCA7736H1ZI
Legal Name	ANAND CONSTRUWELL PRIVATE LIMITED
Trade Name, if any	ANAND CONSTRUWELL PVT LTD

Details of Additional Places of Business

Total Number of Additional Places of Business in the State	0

Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number : 27AAFCA7736H1ZI

1.	**Legal Name**	ANAND CONSTRUWELL PRIVATE LIMITED			
2.	**Trade Name, if any**	ANAND CONSTRUWELL PVT LTD			
3.	**Constitution of Business**	Private Limited Company			
4.	**Address of Principal Place of Business**	SHOP NO 02, RAMCHANDRA APPARTMENT, MAKHMALABAD NAKA, PANCHAVATI, Nashik, Maharashtra, 422003			
5.	**Date of Liability**	01/07/2017			
6.	**Period of Validity**	From	01/07/2017	To	NA
7.	**Type of Registration**	Regular			
8.	**Particulars of Approving Authority**				
Signature		Signature Not Verified Digitally signed by DS GOODS AND SERVICES TAX NETWORK 1 Date: 2018.07.28 19:46:43 IST			
Name					
Designation					
Jurisdictional Office					
9. Date of issue of Certificate		28/07/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of application on 01/07/2017 .

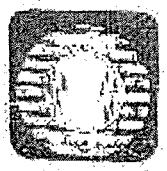
आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

ANAND CONSTRUWELL
PRIVATE LIMITED

03/09/1996

Permanent Account Number
AAFCA7736H



Signature

In case this card is lost / found, kindly inform / return to :
Income Tax PAN Services Unit, UTITSL
Plot No. 3, Sector 11, CBD Belapur,
Navi Mumbai - 400 614.

यह कार्ड खोने/पाने पर कृपया सूचित करें/लौटाएं :
आयकर पैन सेवा यूनिट, UTITSL
प्लाट नं: 3, सेक्टर-११, सी.बी.डी.बेलापुर,
नवी मुंबई-४०० ६१४.

अनुज्ञप्ती म . ठे . क . 325320449425072023





महाराष्ट्र शासन

उद्योग,ऊर्जा व कामगार विभाग

अनुज्ञापक मंडळ

विद्युत ठेकेदारांना अनुज्ञप्ती

(शासकीय अधिसूचना उद्योग,ऊर्जा व कामगार विभाग,क . संकीर्ण-२०१६/प्र . क . १२३/ऊर्जा-५,
दिनांक २ जानेवारी २०१७ व्दारे प्राधिकृत)

सर्वश्री /श्री / मे . आनंद कन्स्ट्रुवेल प्रा . लि ,नाशिक

यांना शासकीय अधिसूचना उद्योग,ऊर्जा व कामगार विभाग,क . संकीर्ण-२०१६ /प्र . क . १२३/ऊर्जा-५, दिनांक २ जानेवारी २०१७ खाली महाराष्ट्र शासनाने प्रसिध्द केलेल्या नियमातील शर्तींच्या अधीन राहून महाराष्ट्र राज्यात विद्युत संचमांडणीचे काम करण्याकरिता याव्दारे प्राधिकृत करण्यात येत आहे .

विद्युत निरीक्षक यांचे कार्यालय
(सचिव, अनुज्ञापक मंडळ व उदवाहन निरीक्षक),
उद्योग, ऊर्जा व कामगार विभाग,प्रशासकीय इमारत ,
तिसरा मजला,रामकृष्ण चेंबुरकर मार्ग,
चेंबुर (पूर्व), मुंबई ४०० ०७१ .
दिनांक : 25/07/2023

SANDEEP ARVIND PATIL

अध्यक्ष,
अनुज्ञापक मंडळ

Abhijeet Laxman Kasture

सचिव,
अनुज्ञापक मंडळ

नुतनीकरण दिनांक	समाप्ती दिनांक	सचिवांची आद्याक्षरी-	नुतनीकरण दिनांक	समाप्ती दिनांक	सचिवांची आद्याक्षरी
25/07/2023	24/07/2026	Abhijeet Laxman Kasture			

टीप: जर वरील अनुज्ञप्ती त्याच्या समाप्तीच्या दिनांकापासून एका महिन्याच्या आत नुतनीकरण केले नसेल तर,ते आपोआपच रद्द समजण्यात येईल

Civil Cont/TDD/Regd/ 24 / P.W.(Tribal) Dn. Nashik.
Date- 30/07/2025



GOVERNMENT OF MAHARASHTRA
TRIBAL DEVLOPMENT DEPARTMENT
Construction Management Cell
Public Works (Tribal) Division, Nashik

CONTRACTOR'S REGISTRATION CERTIFICATE

1. Chief Engineer, Construction Management Cell, Mantralaya Mumbai through Approve the registration using their rights given to then vide latest Government of Maharashtra Tribal Development Resolution No SHAABA -2016/C.R.-3/Construction Management cell Date :- 02/06/2021. Orders for Registration to **M/s ANAND CONSTRUWELL PVT. LTD.** as Civil Contractors in **CLASS I-A (Unlimited)** Date - 30/07/2025, From **30/07/2025 To 29/07/2028**

2. Registered Civil Contractors should apply for registration renewal 3 months before expiry date of certificate. In this regard, no separate correspondence shall be done. Registered contractors should submit their year wise reports in prescribed format. It may kindly be noted that if the renewal- related required documents are not submitted within prescribed time limit, the registration certificate shall be treated as cancelled and it will be required to deposit requisite fees as per new registration.

3. Year wise details containing particulars of works done during last one year shall be submitted every year after 31st May. If Registration certificate is in the name of Company or Partnership firm and if it is changed, the same may be intimated to the registration issuing authority.

4. At least 3 Engineers shall be employed in organization (Company/ Partnership firm) who have passed after 1979 from Maharashtra Universities.

Details

1. Contractors Name and Address: - **M/s ANAND CONSTRUWELL PVT. LTD.**
   Ramchandra Apartment, Opposite NMC Panchvati Makhmalabad Naka, Nashik - 422003
2. Registration fees, Receipt No and date: Rs. 75,000/- Vide D.D No. 054941/ Dt.08/11/2024
   (Which will be non-refundable.)
3. Registration class and period : **CLASS I -A from 30/07/2025 To 29/07/2028**
4. Work Capacity : **(Unlimited)**
5. GST No. : 27AAFCA7736H1ZI
6. PAN No. : AAFCA7736H
7. Phone/Mob. No. : 9822011517

Executive Engineer
P.W. Tribal Division, Nashik

Contractor Signature Specimen	Issuing Authority
	(N. U. Chore) **Executive Engineer** **P.W. (Tribal) Division, Nashik**

Copy To- Chief Engineer, Construction Management Cell , TDD Madamkama Marg, Hutatma Rajguru Chowk, Mantralaya Mumbai - 32

MAHARASHTRA JEEVAN PRADHIKARAN
4th Floor, Express Towers, Nariman Point, Mumbai - 400 021.
Superintending Engineer (Civil) Office, HQ Office
Tel. :0712-2558423
E-mail. : sehqmjp21@gmail.com
Website : https://mjp.maharashtra.gov.in

CONTRACTOR'S REGISTRATION CERTIFICATE

1	**ANAND CONSTRUWELL PVT.LTD.** hereby registered as an approved contractor in Maharashtra Jeevan Pradhikaran.
2	Registered contractor is now eligible to tender for the works having estimated cost put to tender as mentioned in details below, subject to prequalification criteria, if any.
3	Registered contractor will have to furnish an annual return for the period from April to March every financial year, before 30th April in the form as per Annexure-'G' of Rules for Registration, detailing therein the works tendered for and taken in hand in that year, for the purpose of review of registration.
4	At time of renewal of registration, registered contractor will have to submit the proposal as per the MJP's rules for registration of contractors.
5	Every change in the partners, leading technical employees, disposal of machinery, change in the name of firm/company and change in the address should be intimated to the Superintending Engineer (HQ), Maharashtra Jeevan Pradhikaran, 4th floor, Express Towers, Nariman Point, Mumbai as soon as such changes occurs.
6	In the event of failure to comply with any of the conditions mentioned above and those mentioned in the "Rules for Registration of Contractors", contractor's registration is liable to be cancelled.
7	During validity period of this registration certificate, if any document including work done certificates submitted by the contractor for registration is found false or blacklisted/debarred by any other competent authority,it will result in revocation of this certificate and black listing of contractor.
8	Within this registration validity period, contractor should complete the works allotted in MJP within stipulated time limit and of good quality. Proportionate progress of ongoing works must be shown as per schedule. Reasons for not completion of works must be given. Renewal of registration will be denied if reasons are not accepted by MJP. Necessary certificate in this regard from Executive Engineer of respective MJP division must be submitted during renewal of registration.
9	Contractor should be able to show his attempt to participate tenders published for MJP. The contractor must have to participate atleast in 5 tendered works in MJP. Necessary documents regarding participation in tender process must be provided during renewal of registration.
10	If above conditions are not fulfilled during submission of renewal of registration, the proposal of renewal will be rejected.



Details

Contractors Name	:	ANAND CONSTRUWELL PVT.LTD.
Legal Status	:	Private Ltd.
Address	:	SHOP NO.2, RAMCHANDRA APARTMENT, MAKHAMALABAD NAKA, PANCHAVATI, NASHIK, MAHARASHTRA-422003
Phone No.	:	9822011517
Email ID	:	acplnsk_nsk@rediffmail.com
Registration fees (date)	:	Rs. 40000/- (09-07-2025)
Registration class (category) & period	:	CLASS I(Civil), 08-07-2025 to 07-07-2028 (3 Years)
Work Capacity	:	Unlimited

Contractor Signature Specimen	E-Signed By : Ajay Janardan Singh (Superintending Engineer (Civil)) Date : 10-07-2025 19:58:30
LMZBR543821A	Certificate No.: MJP/ SE Civil/ Contractor - Renewal - Civil - 3946 - 10072025 - 07072028

(A Government Of Maharashtra Undertaking)

ANAND CONSTRUWELL PVT. LTD. NASIK

नाशिक जिल्हापरिषद,नाशिक
बांधकाम खाते (इवद) विभाग क्रमांक-३
☆ पंजीबध्द ठेकेदार नोंदणी प्रमाणपत्र ☆



प्रति,

आनंद कॉन्स्ट्रक्शन प्रा.लि.,
रा. रामचंद्र अपार्टमेंट, मनपा पंचवटी विभागीय
कार्यालयासमोर, मखमलाबाद नाका, पंचवटी,
नाशिक - ४२२००९
PAN No – AAFCA7736H
GST No – 27AAFCA7736H1ZI
Mobile No.- 9822011517, 9822391060
E-mail- - aeplnsk@gmail.com

विषय:- पंजीयध्द ठेकेदाराच्या यादीतील नोंदणी वर्ग-१(अ) (रु. अमर्याद रक्कम पावेतो) मध्ये मान्यता प्राप्त ठेकेदार म्हणून नोंदणी नूतनीकरण देण्याबाबत.

संदर्भ :- १) महाराष्ट्र शासन, सा.बां.वि. कार्यासन विधान मंत्रालय,मुंबई यांचेकडील शासन निर्णय क्रमांक पीएमसी २००९/प्र.क्र.१५/इमा-१ दि. २७/०८/२००९
२) महाराष्ट्र शासन,सा.बां.व जलसंधारण विभाग, मंत्रालय, मुंबई यांचेकडील शासन निर्णय क्रमांक संकीर्ण २०१५/प्र.क्र.४८/इमा-१ दि. ०३/०६/२०१५
३) महाराष्ट्र शासन, सा.बां.वि. कार्यासन विभाग, मंत्रालय, मुंबई यांचेकडील शासन निर्णय क्रमांक संकीर्ण २०१५/प्र.क्र.४८/इमा-१ दि. २९/०७/२०१५
४) महाराष्ट्र शासन,सा.बां.वि. कार्यासन विभाग, मंत्रालय, मुंबई यांचेकडील शासन शुध्दीपत्रक क्रमांक संकीर्ण २०१५/प्रक्र१४८/इमा-१ दि. १९ जून, २०१६
५) आपले पत्र क्र. निएन/बांक/इवद-३/नोंदणी/१६६२/२०२१, दिनांक ०३/०५/२०२१
६) महाराष्ट्र शासन,सा.बां.वि. कार्यासन विभाग, मंत्रालय, मुंबई यांचेकडील पत्र क्र.संकीर्ण-२०२१/प्र.क्र.२४/बांधकाम-७, दिनांक २१/०५/२०२१

अ) वरील संदर्भान्वये आपणांस कळविण्यांत येते की,आपले नांव वर्ग-१(अ) (रु.अमर्याद रक्कमे पावेतो) मध्ये पंजीबध्द ठेकेदार म्हणून नोंदविण्यांत येत असून आपण रुपये अमर्याद रक्कमे पर्यन्तची निविदा घेऊ शकता.

ब) हे पंजीबध्द प्रमाणपत्र ५ (पाच) वर्षांसाठी (दि.२१/०५/२०२१ ते २०/०५/२०२६ अखेर) अन्य कुठल्याही कारणास्तव रद्दबातल न झाल्यास अस्तित्वात राहील,आपला नोंदणी क्रमांक (४३) २०२१-२२ आहे.

प्रमाणपत्र खालील अटी व शर्तीवर देण्यांत येत आहे.

१) दर वर्षाच्या माहे एप्रिल ते मार्च अखेर पर्यंतच्या ज्या कामाच्या निविदा भरल्या व जी कामे प्रत्यक्ष ज्ञातीत घेतली अशी कामे दर्शविणारे विवरणपत्र (नमुना ५ प्रमाणे) आपण हया कार्यालयाकडे आपल्या नोंदणीच्या पुनर्विलोकनासाठी प्रतीवर्षी दिनांक २५ एप्रिलच्या आत पाठविले पाहीजे. हे विवरणपत्र आपणाकडून वेळेवर न आल्यास आपले नांव नोंदणी झालेल्या कंत्राटदाराच्या यादीतून काढून टाकले जाऊ शकते.

२) जि.प.च्या नोंदणीच्या उक्त वर्षाच्या कालावधीत आपण एकही कामाची निविदा भरली नाही अथवा निविदा दिल्यापैकी एकही काम जर आपणास नोंदणी झालेपासून पांच वर्षांच्या कालावधीत मिळू शकले नाही तर मान्यता प्राप्त ठेकेदाराच्या यादीतून आपले नांव काढून टाकण्यांत येईल.

३) प्रत्येक कामाची निविदा सादर करतेवेळी आपण त्या दिवशी हातात असलेली सर्व कामे त्यांची निविदा दर्शीत रक्कम तसेच त्या कामाच्या पूर्ततेची परिस्थिती या बाबी सुस्पष्टपणे दाखविणारे विवरणपत्र सादर केले पाहिजे.

४) आपल्या नोंदणीच्या नूतनीकरणाच्यावेळी या कार्यालयाकडेस आपल्या नोंदणीची मुदत संपण्यापूर्वी किमान तीन महिन्या आधी आवश्यक कागदपत्र दोन प्रतीत सादर करणे अनिवार्य राहील. विहीत मुदतीत आवश्यक ती कागदपत्रे सादर न केल्यास नोंदणी रद्द समजण्यात येईल.

५) वरील पैकी कोणत्याही अटींचे अनुपालन न केल्यास आपली वरील नोंदणी करण्यास पात्र राहील याची कृपया नोंद घ्यावी.

६) येथून पुढे नूतनीकरण किंवा वरच्या श्रेणीत नोंदणी करण्यांत आपणास पूर्ण नोंदणी फी भरावी लागेल.

७) नूतनीकरण व वरच्या श्रेणीत नोंदणी वाढविणे अर्ज स्वतंत्र सादर करावेत.

८) आपल्या कंपनीच्या भागीदारामध्ये होणार तसेच भरत्याच्या तांत्रिक पदावरील व्यक्तिमध्ये होणार बदल इ.बाबत बदल होताच लगेच या कार्यालयास कळविणे आवश्यक आहे.

९) महाव्यवस्थापक कामगार आयुक्त यांचेकडून ज्या-ज्या वेळी आपल्या कुठल्याही बांधकाम कामावरील मजूरांची संख्या विहीत मजूरांपेक्षा जास्त होणेस आवश्यक आवश्यक तो परवाना काढून या विभागास सादर करावा.

१०) जर आपणास वरच्या श्रेणीत नोंदणी करावयाची असेल तर अर्ज केलेल्या तारखेपासून मागील तीन वर्षात जी कामे/पुरवठे/निमशासकीय प्राप्त झाली असतील त्यांची सर्व प्रमाणपत्रके विहित नमुन्यात या कार्यालयाकडे सादर करावी लागतील.

११) प्रस्तुत नोंदणी मिळणेकामी प्रस्तावात सादर करण्यांत आलेली पत्र सामुग्री हत्यार संच या मध्ये काही बदल झाल्यास (खरेदी विक्री झाल्यास) त्या बाबत कार्यालयास कळविणे बंधनकारक आहे.

१२) वरचढ नोंदणी तुम्ही, कार्यालयास सादर केलेल्या कागदपत्रांच्या आधारे देण्यांत आलेली आहे त्यात कोणत्याही प्रकारे बदल झाल्यास त्वरीत या कार्यालयास कळविणे बंधनकारक राहील.

वरील पैकी कोणत्याही सूचनांचे व अटींचे अनुपालन न केल्यास आपली नोंदणी रद्द करण्यांत येईल कृपया याची नोंद घ्यावी.

नाशिक जिल्हा परिषद, नाशिक
इ.व द. विभाग क्रमांक-३
जा.क्र.जिप्रना/बांधा/इवद ३/नोंदणी/४७४ /२०२१
दिनांक :- २४/५/२०२१

(वी.एच. कांळे)
कार्यकारी अभियंता
इ.व.द. विभाग क्रमांक-३
जिल्हा परिषद, नाशिक

GOVERNMENT OF MAHARASHTRA
PUBLIC WORKS DEPARTMENT

Public Works Division, Nashik



CONTRACTOR'S REGISTRATION CERTIFICATE

1. **Chief Engineer, Public Works Region, Nashik**, through online registration using their rights as per latest Government Resolution No. CAT-03/2013/Case No. 102/Bldg-2 dated 30/06/2014 orders for Registration to **ANAND CONSTRUWELL PVT. LTD.** Proprieter/Partners **1) Navinchandra Premchand Chokasi 2) Rmeshchandra Premchand Chokasi 3) Veena Rameshchandra Chokasi 4) Shailendra Navinchandra Chokasi 5) Abhay Navinchandra Chokasi** in **CLASS IV** for **5** years from **22-10-2021 to 21-10-2026**

2. Registered contractors should apply for registration renewal 3 months before expiry date of certificate. In this regard, no separate correspondence shall be done. Registered contractors should submit their year wise reports in prescribed format. It may kindly be noted that if the renewal-related required documents are not submitted within prescribed time limit, the registration certificate shall be treated as cancelled and it will be required to deposit requisite fees as per new registration.

3. Year wise details containing particulars of works done during last one year shall be submitted every year after 31st May. If Registration certificate is in the name of Company or Partnership firm and if it is changed, the same may be intimated to the registration issuing authority.

4. Atleast 3 Engineers shall be employed in organization (Company/Partnership firm) who have passed after 1979 from Maharashtra Universities.

Details

1. Contractors Name and Address: **ANAND CONSTRUWELL PVT. LTD., RAMCHANDRA APARTMENT, MAKHMALABAD NAKA, PANCHAVATI, -NASHIK-422003**
2. Registration Fees, Receipt No and date : Rs. 20000 / 1604361844 / 26-10-2021
3. Registration Class and Period: CLASS IV for 5 years from 22-10-2021 to 21-10-2026
4. Work Capacity Upto: Rs. Upto 150 Lakhs

Contractor Signature Specimen	**This is system generated certificate approved from Executive Engineer (EE) Name of EE: S.A. TAMBE Date of Certificate Generation: 26-10-2021 15:46:52**
for ANAND CONSTRUWELL PVT. LTD. DIRECTOR	

YHPQ841DRVN7

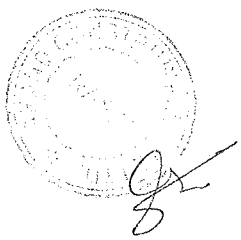
Printed On : 26-10-2021 16:29:58

Payment done successfully on 16-Oct-2025 05:30 IST

Payment Details

INB Reference Number	Merchant Reference Number
CPAFTVSYY5	21092906903705
Amount	Amount in Words
INR 24,08,355.00	Twenty Four Lakhs Eight Thousand Three Hundred and Fifty Five Rupees only
Status	Date - Time
Completed Successfully	16-Oct-2025 05:30 IST

Click here to return to the MAH e-procurement payment site. Else, you will be automatically redirected to the MAH e-procurement payment site in 10 seconds.



BID MANAGEMENT

User Management
- Debarred/Revoked Details
- My Accounts
- My Documents

Auction Management
- My Auctions
- Live Auctions
- View Auction History

Bid Management
- Search Active Tenders
- My Tenders
- Clarification
- My Active Bids
- Bid Opening (Live)
- Short fall Documents
- Online Payment Status
- My Bids History
- Short Fall Documents History
- Archived Clarification
- Tender Status
- My Withdrawn Bids

Bank Response On Payment Details

Your Online transaction has been completed successfully.

Organisation Chain : Nashik Municipal Corporation||PWD Department

Tender Title : Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Tender ID : 2025_NMC_1221768_9

Tender Ref No. : NMC/E-tender Cell/03/2025-26

Bank Response On Payment Details

eProcurement Ref. Number :	**21092906903705**
Bank / UTR Number :	**CPAFTVSYY5**
Bank Name :	**SBI Bank**
Status :	**Success**
Status Description :	**Completed successfully.**
Tender Fee in ₹ :	4,131
EMD Fee in ₹ :	24,04,047
Total Fee in ₹ :	**24,08,178**

Next

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Tender ID: 2025_NMC_1221768_9 (NMC/PWD/Tender Notice No.03/09(2025-26)
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Name of Contractor: - Anand Construwell Pvt.Ltd.

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महाराष्ट्र शासन
नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण
मध्यवर्ती प्रशासकिय इमारत, नाशिक रोड, नाशिक - 422101
दुरध्वनी क्र. 0253-2461909 Email- kumbhmela.2027@mah.gov.in

दिनांक: स्वाक्षरीखाली नमूद आहे.

प्रशासकीय मान्यता आदेश:-

विषय:- नाशिक त्र्यंबकेश्वर सिंहस्थ कुंभमेळ्यासाठी रस्त्यांच्या कामांना प्रशासकीय मान्यता देणे बाबत.

संदर्भ:- 1. नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची बैठक दिनांक 28/07/2025 ठराव क्रमांक 04.
2. या कार्यालयाचे पत्र दिनांक 29/07/2025.
3. शासनाचे पत्र क्रमांक कुंभमे-2025/प्र.क्र.235/ नवि-25 दिनांक 29/08/2025.
4. आयुक्त, नाशिक महानगरपालिका, नाशिक यांचे पत्र क्रमांक जा.क.सावबंवि/डेस्क-8/994/2025 दिनांक 10/07/2025.
5. आयुक्त, नाशिक महानगरपालिका, नाशिक यांचे पत्र क्रमांक जा.क.सावबंवि/डेस्क-8/994/2025 दिनांक 09/09/2025.

वाचा - नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण अधिनियम, 2025 चे कलम 7 (1) (ग).

कार्यान्वयीन यंत्रणा नाशिक महानगरपालिका यांनी विनंती केल्यानुसार नाशिक त्र्यंबकेश्वर सिंहस्थ कुंभमेळा 2027-28 च्या आयोजनासाठीच्या दृष्टीने आवश्यक असणाऱ्या खालील कामांना नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण अधिनियम 2025 चे कलम 7 (1) (ग) नुसार नमूद केलेल्या अटी शर्तीच्या अधीन राहून खालील प्रमाणे प्रशासकीय मान्यता देण्यात येत आहे.

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
1	गंगापूर रोड बारदान फाटा ते सुला चौक (बाह्य वाहनतळ ते अंतर्गत वाहनतळाना जोडणारा/ त्र्यंबकरोड जोडरस्ता)	56.86	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
2	त्र्यंबक रोड पपया नर्सरी सिग्नल ते एक्स.लो. जंक्शन (बाह्य वाहनतळ/ रेल्वे स्थानक- त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता/ वाहतूक नियोजन)	77.33	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
3	एक्सलो चौक ते गरवारे चौकपावेतो (बाह्य वाहनतळ / रेल्वे स्थानक- त्र्यंबकरोड- मुंबई महामार्ग जोडरस्ता / वाहतूक नियोजन)	71.99	मार्च 2027 पर्यंत	नाशिक महानगरपालिका

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
4	वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक- त्र्यंबकरोड जोडरस्ता/ वाहतूक नियोजन)	32.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
5	विहितगाव (लॅम रोड) ते बिटको चौक ते जेलरोड-गोदावरी नदी पर्यंत (घाटाकडे जाणारा रस्ता)	65.50	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
7	नांदूर पूल ते जत्रा हॉटेल (घाटाकडे जाणारा रस्ता)	71.20	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
8	लेखा नगर NH3 -कलानगर चौक -वडाळागाव रविशंकर मार्ग- विजय ममता चौक (घाटाकडे जाणारा रस्ता/ वाहतुक नियोजन)	38.50	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
9	संगम पूल ते मिर्ची हॉटेल चौकते अमृतधाम चौक ते गुंजाळ बाबा चौक तारवाला चौक ते मार्केट सिग्नल ते मखमलाबाद रोड (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	83.26	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
10	के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा)	48.08	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
11	विजय ममता चौक-टाकळी गाव -संगम पूल (घाटाकडे जाणारा रस्ता/ साधुग्राम पोहोच रस्ता)	22.20	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
12	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	37.81	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
13	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द पावेतो रस्ता विकसित करणे. (वाहनतळ जोडणारा रस्ता)	49.35	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
14	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता / वाहनतळ जोडणारा रस्ता)	51.05	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
15	त्र्यंबक रोड आय.टी.आय. सिग्नल ते पिंपळगाव बहुला मनपा हद्द रस्ता विकसित करणे. (नाशिक त्रंबक कुंभमेळा दोन्ही ठिकाणी जोडणारा रस्ता / वाहनतळ जोडणारा रस्ता)	49.29	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
16	निमाणी चौक ते मनपा हद्द पावेतोचा दिंडोरी रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	59.57	मार्च 2027 पर्यंत	नाशिक महानगरपालिका

अ. क्र.	कामांचे नाव	प्रशासकीय मान्यता रक्कम (रुपये कोटी)	काम पूर्ण करण्याची मुदत	कार्यान्वयीन यंत्रणा
17	पेठ रोड कालवा ते मेहेरधाम पेठ रस्ता विकसित करणे (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा)	76.49	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
18	पुणे रोड- दत्त मंदिर चौक ते सिन्नर फाटा (रेल्वे स्थानक जोड रस्ता)	17.75	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
19	जनार्दन स्वामी मठ (छ.संभाजी नगर रोड) ते लक्ष्मीनारायण मंदिरपूल ते ड्रीम सिटी चौक (घाटाकडे जाणारा रस्ता/ साधुग्राम जोडणारा रस्ता)	15.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
20	अमृत मिरवणूक मार्ग (जाणारा व परतीचा) देखभाल दुरुस्ती (अमृत मिरवणूक मार्ग)	5.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
21	नवीन प्रस्तावित कपिला संगम घाटाकडे जाणारे पोहोच रस्ते तयार करणे. लक्ष्मी नारायण घाटाकडे जाणारा महत्वाचा रस्ता	2.00	मार्च 2027 पर्यंत	नाशिक महानगरपालिका
एकूण		930.23		

महाराष्ट्र राज्य पायाभूत सुविधा विकास महामंडळामार्फत नाशिक शहराच्या रिंगरोडचे काम प्रस्तावित आहे. सदरचे काम मंजूर झाल्यास नाशिक मुंबई महामार्ग ते नाशिक पुणे महामार्ग या पट्ट्यातील दोन महामार्गांना जोडणारा, नाशिकच्या विकास आराखड्यात दर्शविलेला रिंगरोड मंजूर होण्याची शक्यता आहे. असा रिंगरोड मंजूर झाल्यास, वर अनुक्रमांक चार वर नमूद वडनेर गेट ते विहितगाव (लॅम रोड) (रेल्वे स्थानक- त्र्यंबकरोड जोडरस्ता/ वाहतूक नियोजन) या रस्त्याची कुंभमेळ्याकरिता आवश्यकता राहणार नाही. यामुळे सदरचे काम सुरू करण्यापूर्वी महाराष्ट्र राज्य पायाभूत विकास महामंडळाकडून त्यांचे रिंगरोडचे काम कुंभमेळ्यापूर्वी पूर्ण होणार नाही, याची खात्री करावी आणि त्यानंतरच कार्यारंभ आदेश द्यावा.

अटी व शर्ती:-

१. संबंधित कार्यान्वयीन यंत्रणेला शासनाच्या, संबंधित विभागांच्या आणि इतर सक्षम प्राधिकाऱ्यांच्या (उदा. केंद्रीय सतर्कता आयोग) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचनांचे पालन करावे लागेल.
२. नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण आणि जिल्हास्तरीय सिंहस्थ कुंभमेळा कार्यकारी समिती, नाशिक यांचे मार्फत वेळोवेळी दिलेल्या निर्देशांचे पालन संबंधित कार्यान्वयीन यंत्रणेला करावं लागेल.
३. नाशिक त्र्यंबकेश्वर कुंभमेळा अधिनियम 2025 मधील सर्व तरतूदी या कामाला लागू राहतील.
४. सदर कामावर नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत निर्देशित केल्यानुसार कामाच्या जागेवर माहिती दर्शविणारा फलक लावावा लागेल.
५. सदर काम किंवा त्याचा कोणताही घटक इतर कोणत्याही योजनेत मान्य झाले नाही अथवा करण्यात आले नाही याची खात्री कार्यान्वयीन यंत्रणेने करावी.
६. सदर काम पूर्ण झाल्यावर त्याचा केवळ सार्वजनिक वापर होणार असून कोणत्याही स्वरुपाचा खाजगी वापर होणार नाही याची दक्षता कार्यान्वयीत यंत्रणेने घ्यावी.

७. कार्यान्वयीन यंत्रणा ही सदर कामाचा वापर करणारी आणि देखभाल दुरुस्ती करणारी यंत्रणा नसल्यास, सदर काम पूर्ण झाल्यावर वापर करणारी आणि देखभाल/ दुरुस्ती करणाऱ्या यंत्रणेने काम गुणवत्तापूर्ण झाले आहे किंवा कसे याची खात्री करून ते ताब्यात घ्यावे.

८. खरेदीच्या कामांबाबत शासनाने वेळोवेळी निर्गमित केलेल्या निर्देशांचे पालन करावे. तसेच वस्तुंची अथवा इतर बाबींची खरेदी शासनाच्या GeM पोर्टलवरुन अथवा शासनाच्या इतर मार्गदर्शक सूचनांनुसारच करावी.

९. मंजूर अनुदानापेक्षा (प्रशासकीय मान्यता रकमेपेक्षा) जास्त खर्च करता येणार नाही. तसेच कामाचे भाग पाडून काम करता येणार नाही.

१०. वर दर्शविण्यात आलेली काम पूर्ण करण्याची मुदत ही अंतिम मुदत असून शक्य असल्यास यापेक्षा लवकर काम पूर्ण करण्याचे नियोजन करावे आणि तशी अंमलबजावणी करावी. त्यानुसार निविदा प्रक्रिया राबवावी.

११. सर्व कामांच्या जागांचे कामाचे काम सुरु करण्यापूर्वी कोणतीही जागा सुटणार नाही अशाप्रकारे दिनांक नमूद करून व्हिडिओ शूटिंग करावे आणि जियो स्टॅम्प्ड आणि जियो टॅग्ड फोटो काढावेत. त्याचप्रमाणे प्रत्येक कामाचे जास्तीत जास्त एक महिना किंवा त्यापेक्षा कमी या कालावधीमधे अशा प्रकारचे व्हिडिओ आणि फोटो पुन्हा काढावेत हे सर्व जतन करून ठेवावेत जेणेकरुन याला भविष्यात योग्य त्या संकेतस्थळावर जाहीररित्या प्रदर्शित करता येईल.

१२. नियोजन विभागाच्या दिनांक 09 जून 2025 रोजीच्या शासन निर्णयानुसार प्रत्येक पायाभूत विकास प्रकल्पांसाठी युनिक पायाभूत सुविधा आयडी पोर्टल (Infra ID Portal) कार्यान्वित करणे बाबत दिलेल्या सूचनांचे कार्यान्वयीन यंत्रणेने पालन करावे व त्यानुसार कार्यवाही करावी.

१३. प्रकल्प व्यवस्थापनाच्या दृष्टीने वेळोवेळी दिलेल्या निर्देशानुसार आवश्यक ती माहिती नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाला सादर करावी.

१४. मंजूर करण्यात येत असलेल्या वरील कामांची भविष्यातील देखभाल दुरुस्तीचा खर्च कार्यान्वयीन यंत्रणेने स्वत:च्या निधीतून करावा अथवा हस्तांतरण करुन घेणाऱ्या यंत्रणेने करावे.

१५. सदर कामांचा कोणत्याही उपांगांचे काम इतर कोणत्याही शीर्ष अथवा योजनेतून प्रस्तावित नाही आणि/ किंवा झाले नाही याची खात्री कार्यान्वयीन यंत्रणेने काम सुरु करण्यापूर्वी करावी.

१६. सदर कामांची सक्षम प्राधिकाऱ्याकडून तांत्रिक मान्यता घेणे बंधनकारक आहे.

१७. सदर कामाचे पर्यवेक्षण आणि नियंत्रण संबंधित कार्यान्वयीन यंत्रणेने करावे.

१८. सदर कामाचा दर्जा/ गुणवत्ता आणि वेग तपासण्यासाठी, त्याचप्रमाणे कार्यान्वयीन यंत्रणेच्या कामकाजाचे मूल्यमापन करण्यासाठी त्रयस्थ यंत्रणांमार्फत/ यंत्रणांना वेळोवेळी तपासणी आणि मूल्यमापन करण्यात येईल. यासाठीचा येणारा खर्च या कामाच्या अंदाजपत्रकीय रकमेतून नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरणामार्फत थेट संबंधित यंत्रणांना अदा केला जाईल.

१९. थर्ड पार्टी इन्स्पेक्शन बद्दल आवश्यक ती तरतूद अंदाजपत्रकात करावी.

२०. निविदा प्रक्रियेमध्ये सर्वसाधारण पात्रते (eligibility) संबंधात निकष सर्वसाधारणपणे त्या त्या विभागाचे नेहमीचे जशी असतात त्या पद्धतीने ठेवावे जेणेकरून स्पर्धा चांगली होईल. तथापि दर्जा उत्तम राखण्यासाठी दंडात्मक (penalty च्या) तरतुदी अधिक कठोर करायचे असल्यास तशी मुभा संबंधित विभागाला राहील.

२१. कामे हाती घेताना शासनाच्या संबंधित विभागाच्या / कार्यालयांच्या मार्गदर्शक सूचना विचारात घ्याव्यात (उदा. अग्नीशमन सेवा संचालनालय, वैद्यकीय शिक्षण व संशोधन संचालनालय, इ.). तसेच याबाबत इतर मोठ्या शासकीय व निमशासकीय संस्था (उदा. राज्य शासनाचे संबंधित विभाग, केंद्र शासनाचे संबंधित विभाग, मोठ्या महानगरपालिका/ महामंडळे, इ.) यांनी वेळोवेळी निर्गमित केलेल्या मार्गदर्शक सूचना, खरेदी धोरण व निविदांचा देखील अभ्यास निष्पक्षपणे व सखोलपणे करावा. त्याचप्रमाणे या क्षेत्रातील सर्वोत्तम कार्यपद्धतींचा (best practices) चा विचार करावा. तसेच आवश्यकतेनुसार त्या क्षेत्रातील तज्ञ / सल्लागार यांच्या सेवा घ्याव्यात. या प्रकारे पूर्ण काळजी घेवून अशा कामांबाबत/ प्रकल्पांबाबत कार्यवाही करावी. सदरची कामे/ प्रकल्प वेळेत

आणि गुणवत्तेनुसार पार पाडण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेच्या कार्यालय प्रमुखाची राहील याची नोंद घ्यावी.

२२. सदर कामांची प्रस्तावित रक्कम ही कामे पूर्ण करुन ती कुंभमेळ्यासाठी प्रत्यक्षात उपयोगाला येण्याच्या दृष्टीने आणि कार्यान्वित होण्याच्या दृष्टीने परिपूर्ण प्रकारे प्रस्तावित केली आहे, असे गृहीत धरण्यातून ही प्रक्रिया करण्यात येत आहे. उदा. एखाद्या कामासाठी भूसंपादन किंवा तिथे पोहचण्यासाठी अप्रोच रोड किंवा फर्निचर/ विद्युतीकरण ते या कामाचा भाग आहे, असे गृहीत धरण्यात येत आहे. तसेच कामाशी निगडीत नसलेली कामे घेतलेले नाही (उदा. कार्यालयीन गाड्यांचे भांडे) असे गृहीत धरण्यात येत आहे याची नोंद कार्यान्वयीन यंत्रणेने घ्यावी.

२३. सदर कामाचे आवश्यक ते अभिलेखे तयार करण्याची आणि अभिलेख जतन करण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेची राहील.

२४. या कामाबाबत उद्भवणाऱ्या न्यायालयीन, कायदेशीर आणि लेखापरीक्षण विषयक बाबींसाठी संबंधित कार्यान्वयीन यंत्रणा जबाबदार आहे.

२५. काम पूर्ण झाल्यानंतर कामाच्या पूर्णत्वाचा दाखला व कामावर केलेल्या खर्चाचे उपयोगीता प्रमाणपत्र 30 दिवसात सादर करावे.

२६. या कामांवर होणारा खर्चाचा हिशेब स्वतंत्रपणे ठेवण्यात यावा. तसेच कामावर झालेला खर्च वजा जाता शिल्लक रक्कम या कार्यालयाकडे 15 दिवसात वर्ग करावी. कामावर झालेली बचत इतर कामांवर वळती करण्यात येवू नये.

२७. सदर कामासाठी आवश्यक असलेली जागा कायदेशीररित्या ताब्यात घेण्याची जबाबदारी संबंधित कार्यान्वयीन यंत्रणेची राहील.

२८. सदर काम करीत असताना आवश्यक असणाऱ्या केंद्र शासन, राज्य शासन, स्थानिक स्वराज्य संस्था किंवा कोणत्याही प्राधिकाऱ्याच्या आवश्यक असणाऱ्या, कायदेशीर व इतर परवानग्या प्राप्त करून घेण्याची जबाबदारी संबंधित कार्यान्वित यंत्रणेची राहील.

२९. सदरचा प्रशासकीय मान्यतेचा आदेश नगर विकास विभागाच्या मागणी क्र.एफ-2, मुख्य लेखाशिर्ष 2217B357, 191, स्थानिक संस्था, महानगरपालिका, नगरविकास प्राधिकरणे, शहर सुधार मंडळे, इत्यादींना सहाय्य, 31 सहायक अनुदाने (वेतनेतर) (00) (00) (97) सिंहस्थ कुंभमेळ्याचे नियोजन व अंमलबजावणी यावरील खर्चाकरिता सहायक अनुदान (कार्यक्रम) कुंभमेळा निधी संबंधित शीर्षातून देण्यात येत आहे. तथापि शासनस्तरावर किंवा प्राधिकरणात इतर शीर्षातून किंवा योजनेतून सदरचा खर्च करण्याचा निर्णय झाल्यास त्याप्रमाणे निधी उपलब्ध केला जाईल.

३०. नाशिक महानगरपालिकेने कुंभमेळा संबंधित कामांवर त्यांच्या निधीतील किती टक्के वाटा उचलायचा हे ठरलेले नाही. याबाबत शासनस्तरावर होणारा निर्णय महानगरपालिकेला बंधनकारक राहील आणि त्यानुसार तसा वाटा त्यांना उचलणे बंधनकारक राहील.

Signed by
Praveen Nilkanthrao Gedam
Date: 14-09-2025 22:39:39
(डॉ. प्रवीण गेडाम)
अध्यक्ष, नाशिक त्र्यंबकेश्वर कुंभमेळा प्राधिकरण तथा,
बिभागीय आयुक्त, नाशिक

आयुक्त, नाशिक महानगरपालिका, नाशिक.





महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

महानगरपालिका महासभा ठराव

सभा क्र. : ०६

विषय क्र. : ३२१ ठराव क्र. : ३२१ दिनांक : ०४ / ०९ /२०२५

संदर्भ-मा.आयुक्त तथा प्रशासक सो.यांचेकडील जा.क्र/बांधकाम /२१०/२०२५ दि.०४.०९.२०२५ चे पत्र.

महाराष्ट्र महानगरपालिका अधिनियमातील कलम ४५२ (अ) मधील तरतुदीनुसार मा.प्रशासक सो. यांना प्राप्त झालेल्या अधिकारानुसार असा ठराव करण्यात येत आहे की,

नाशिक-त्र्यंबकेश्वर येथे सन २०२७ मध्ये होणारा सिंहस्थ कुंभमेळा यासाठी मा.मुख्यमंत्री, महाराष्ट्र राज्य, मा.प्रधान सचिव, महाराष्ट्र राज्य, जिल्हास्तरीय सिंहस्थ कुंभमेळा समितीच्या वेळोवेळी बैठका होत आहेत. सदर बैठकांमध्ये ज्या कामांचा पुर्णत्वाचा कालावधी दिड-दोन वर्ष आहे, अशा कामांच्या निविदा लवकरात लवकर प्रकाशित करण्याच्या सुचना दिलेल्या आहेत. मा.मुख्यमंत्री महोदय यांनी दि.२६/२/२०२५ रोजीच्या बैठकीत शहरातील आवश्यक रस्त्यांची व पुलांची कामे त्वरीत सुरु करण्याचे निर्देश दिले आहेत व दि.११/२/२०२५ रोजी झालेल्या जिल्हास्तरीय सिंहस्थ कुंभमेळा कार्यकारी समितीच्या बैठकीमध्ये महत्वाच्या असलेल्या पुलांचे बांधकाम लवकरात लवकर सुरु करावे असे निर्देश दिले आहेत. त्यास अनुसरून पुढीलप्रमाणे रस्त्यांची व पुलांच्या कामांची यादी नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाकडे मंजुरीसाठी, निधी उपलब्धतेसाठी व प्रशासकीय मंजुरीसाठी सादर करावयाची आहे.

अ.नं	कामाचे नाव	अंदाजपत्रकीय (रक्कम रु कोटी)
	रस्ते बांधणे	
१)	टाकळी गाव ते नारायण बापू चौक छत्रपती शिवाजी महाराज चौक (जेलरोड)	१७.१४
	टाकळी गाव ते काठे चौक ते एसटीपी रोड (१९० मीटर)	
२)	एसटीपी रोड ते नारायण बापु चौक (८८० मीटर)	२४.२७
	नारायण बापु चौक ते जेलरोड (८०० मीटर)	
	उपनगर नाका ते कॅनल रोड गोसावी मळा, मकरंद कॉलनी - टाकळी STP	
३)	उपनगर नाका ते कॅनल रोड गोसावी मळा, (८५० मीटर)	५२.६४
	गोसावी मळा ते सायखेडा रोड (४५० मीटर)	
	सायखेडा रोड ते मकरंद कॉलनी (१९५ मीटर)	
	मकरंद कॉलनी ते जुना सायखेडा रोड (४३० मीटर)	
	जुना सायखेडा रोड ते गोदावरी नदी (९०० मीटर)	
	पिंपळगाव खांब - वडनेर गाव विहितगाव (लॅम रोड)	
	पिंपळगाव खांब फाटा ते वडनेर गेट	
	वडनेर गेट ते विर सावरकर चौक	
	विर सावरकर चौक बागुल नगर	
	बॉक्स कल्व्हर्ट	
४)	सौभाग्य नगर ते विटको चौक जेलरोड-गोदावरी नदी (संत जनार्दन स्वामो पुल) पर्यंत	७१.७७
	सौभाग्य नगर ते वाल देवी नदी	
	वाल देवी ते गांधीनगर पुतळा	
	गांधीनगर पुतळा ते बिटको पॉईंट	
	बिटको पॉईंट ते जनार्दनस्वाती पुल	
५)	उपनगर नाका जय भवानी रोड रोकडोबावाडी -१२ विहितगाव	२४.७१
	उपनगर नाका ते आर्टीलरी सेंटर रोड	
	आर्टीलरी सेंटर रोड रोकडोबावाडी पुल	
	रोकडोबावाडी पुल ते मथुरा चौक (नवीन रस्ता)	

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

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सभा क्र. : ०६

विषय क्र. : ३२१ ठराव क्र. : ३२१ दिनांक : ०४ / ०८ /२०२५

६)	दत्त मंदिर सिग्नल पुणे रोड ते बिटको चौक छत्रपती ६. २३ शिवाजी महाराज पुतळा ते डॉ. बाबासाहेब आंबेडकर चर्चाक (सुभाषरोड) ते टाऊन हॉल सत्कार पॉईंट	३४.९९
	दत्त मंदिर सिग्नल पुणे रोड ते बिटको चौक छत्रपती शिवाजी महाराजचौक	
	छत्रपती शिवाजी महाराज चौक ते डॉ बाबासाहेब आंबेडकर चौक	
	डॉ बाबासाहेब आंबेडकर चौक ते सत्कार पॉईंट (कॉक्रिट रस्ता)	
	उड्डाण पुल वरील डांबरीकरण	
	उड्डाण पुल खालील कॉक्रिटीकरण	
७)	नाशिक पूर्व विभागातील द्वारका सर्कल- सारडा सर्कल- गडकरी चौक सिग्नल पर्यंत रस्ता विकसित करणे	१७.०८
८)	नाशिक पूर्व विभागातील सारडा सर्कल- गंजमाळ सिग्नल पर्यंत रस्ता विकसित करणे	१०.४९
९)	नाशिक पूर्व भागातील संगम पूल- टाकळी गाव- विजय ममता चौक- अशोका मार्ग- भारत नगर -छान हॉटेल NH३ पर्यंत रस्ता विकत करणे	४९.२८
१०)	नाशिक पूर्व भागातील लक्ष्मीनारायण पूल -जय शंकर चौक- ड्रीम सिटी चौक- पर्यंत रस्ता विकसित करणे	२५.५१
११)	नाशिक पूर्व विभागातील टाकळी फाटा- NH३ -टाकळी गाव -गांधीनगर उपनगर यांनी NH-५० पर्यंत रस्ता विकसित करणे	१८.८५
१२)	नाशिक पूर्वी भागातील वडाळा नाका-NH-३- नासर्डी पूल -वडाळा रोड - साईनाथ नगर सिग्नल -जगन्नाथ चौक पर्यंत रस्ता विकसित करणे	४१.६३
१३)	नाशिक पूर्व विभागातील NH३- ट्रॅक्टर हाऊस -कर्मा हाइट्स - (तिग्रानिया रोड) पर्यंत रस्ता विकसित करणे	९.५४
१४)	नाशिक पूर्व विभागातील लेखा नगर NH३ -कलानगर चौक -वडाळागाव रविशंकर मार्ग- विजय ममता चौक पर्यंत रस्ता विकसित करणे	३८.५०
१५)	केटीएचएम पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड रस्ता सुधारणे	४८.०८
	जुना गंगापूर नाका ते शरणपूर पोलीस चौकी (१५०.to १५९०)	
	मायको सर्कल ते महामार्ग बस स्टॅन्ड (१८१० to ३५००)	
	मिलिंद नगर कॅनल रोड ते दक्षिण मुखी हनुमान मंदिर (० to ५५०)	
१६)	गोविंद नगर पूल (नंदिनी नदी) ते एबीबी सर्कल जेहान सर्कल ते चांदशी पूल पर्यंतचा मध्य रिंग रोड सुधारणे	५९.५९
	गोविंद नगर नंदिनी नदी ते संभाजी चौक (० to ५००)	
	सीसीएम सर्कल ते एबीबी सर्कल (० to १११०)	
	एबीबी सर्कल ते जेहान सर्कल (१११० to ३१५०)	
	जेहान सर्कल ते नेरलेकर सर्कल (३१५० to ३४२०)	
	नरसिंह नगर ते अयोध्या चौक (३७५० to ३९६०)	
	अयोध्या चौक ते चांदशी पूल (३९६० to ४२००)	
१७)	अशोक स्तंभ ते जेहान सर्कल (गंगापूर रोड) रस्ता सुधारणे	३७.८१
	अशोक स्तंभ ते गोळे कॉलनी (३० to २१०)	
	गोळे कॉलनी ते पोलीस कमिशनर ऑफिस (२१० to ४२०)	
	पोलीस कमिशनर ऑफिस ते जुना गंगापूर नाका (४२० to १४४०)	
	जुना गंगापूर नाका ते केबीटी सर्कल (१४४० to २२५०)	
	के बी टी सर्कल ते जेहान सर्कल (२२५० to ३२२०)	

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१८)	खडकाळी सिग्नल ते त्र्यंबक नाका ते आयटीआय सिग्नल (त्रंबक रोड) पर्यंतचा रस्ता सुधारणे	५१.०५
	खडकाळी सिग्नल ते त्र्यंबक नाका (० to ५७० White Topping)	
	त्रंबक नाका ते मायको सर्कल (० to ९००)	
	मायको सर्कल ते पंचवटी इलाईट (९९० to १९२०)	
	पंचवटी लाईट ते एबीबी सर्कल (१९२० to २८८०)	
	एबीबी सर्कल ते आयटीआय सर्कल(२८८० to ३३००)	
१९)	फॉरेस्ट नर्सरी पूल ते के बी टी सर्कल ते पी टी ए कुलकर्णी चौक ते डिटेक्टिव्ह ट्रेनिंग सेंटर कॅनल रोड	२७.७८
	फॉरेस्ट नर्सरी पूल ते दत्त मंदिर (० to ३००)	
	दत्त मंदिर चौक ते स्वर्गीय वसंत पवार चौक (३०० to ५१०)	
	स्वर्गीय वसंत पवार चौक ते वाघ गुरुजी शाळा (५१० to ९२०)	
	वाघ गुरुजी शाळा ते पी टी ए कुलकर्णी चौक (९२० to १८००)	
	पी टी ए कुलकर्णी चौक ते सिद्धार्थनगर (१८०० to २४३०)	
२०)	प्रमोद महाजन गार्डन ते गंगापूर रोड ते होरायझन स्कूल ते दत्त चौक ते निर्मला कॉन्व्हेंट स्कूल चौक ते चैतन्य नगर ते आसाराम बापू आश्रम (गोदावरी नदीच्या सलग्न रस्ता)	३१.७७
	चोपडा लॉन्स ते होरायझन स्कूल (३०० to १४४०)	
	दत्त चौक ते निर्मला कॉन्व्हेंट (० to ३९०)	
	निर्मला कॉन्व्हेंट ते चैतन्य नगर (३९० to ६९०)	
	चैतन्य नगर ते चांदशी पूल (५७० to १०५०)	
	चांदशी पूल ते आसाराम बापू आश्रम (१०५० to १२६०)	
२१)	गडकरी चौक ते चांडक चौक ते आनंद कान्हेरे मैदान रस्ता सुधारणा करणे.	१०.७१
	गडकरी चौक ते चांडक सर्कल (१५०० to ३१६०)	
	चांडक सर्कल ते वीर सावरकर तरण तलाव(० to २६०)	
२२)	मुंबई नाका ते गडकरी सिग्नल ते त्रंबक नाकापर्यंत रस्ता सुधारणा करणे	१४.४३
	मुंबई नाका ते महामार्ग बस स्टॅन्ड (० to २१०)	
	महामार्ग बस स्टॅन्ड ते गडकरी चौक गडकरी चौक (२१० to ७२०)	
	गडकरी चौक ते त्र्यंबक नाका (७२० to ११४०)	
२३)	नाशिक - नविन नाशिक विभागातील बाह्य वळण रास्ता पाथर्डी फाटा ते पाथर्डी - पिंपळगाव खांब शिवे पावेतो विकसित करणे	१७.४१
२४)	नाशिक - नवीन नाशिक विभागातील त्रिमूर्ती चौक ते आंबडगाव लिंक रास्ता पावेतो विकसित करणे	१५.३२
२५)	आतील वळण रस्ता सिटी सेंटर ते त्रिमूर्ती चौक ते प्रणव स्टॅम्पिंग कंपनी पावेतो कामतवाडा रास्ता विकसित करणे.	१७.४१
२६)	नाशिक - नवीन नाशिक विभागातील स्टेट बँक चौक ते गणेश चौक ते आंबडगाव लिंक रस्ता (सिंहस्थ पार्किंग छ. संभाजी स्टेडियम) रस्ता विकसित करणे	१७.४१
२७)	नाशिक - नवीन नाशिक विभागातील आतील वळण रस्ता सिटी सेंटर मॉल ते इंदिरा नगर अंडर पास रस्ता विकसित करणे.	१३.१०
२८)	नाशिक - नवीन नाशिक विभागातील बाह्य वळण रस्ता पाथर्डी गाव ते जगन्नाथ चौक रस्ता विकसित करणे.	१६.३३

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२९)	नाशिक - नवीन नाशिक विभागातील अंबडगाव रास्ता एक्सलो चौक (टेक्समो फोर्स सोलुशन कंपनी) पासून अंबडगाव ते पाथर्डी फाटा रस्ता विकसित करणे.	१७.४१
	एक्सलो ते अंबडगाव रस्ता	
	एक्सलो चौक (टेक्समो फोर्स सोलुशन कंपनी) ते अंबडगाव ते पाथर्डी फाटा	
३०)	नाशिक - नवीन नाशिक विभागातील बाह्य वळण रास्ता चौक ते एक्सलो चौक पावेतो रस्ता विकसित करणे.	७१.९९
३१)	गंगापूर रोड - जेहान सर्कल ते गंगापूर गाव मनपा हद्द.	४९.३५
	जेहान सर्कल ते एबीएच गृह प्रकल्प (३२१० to ५९१०)	
	एबीएच गृह प्रकल्प ते सोमेश्वर मंदिर टर्न(५९१० to ६७२०)	
	सोमेश्वर मंदिर टर्न ते बरदान फाटा (६७२० to ८१९०)	
३२)	त्रिंबक रोड आयटीआय सिग्नल ते पिंपळगाव बहुला मनपा हद्द	४९.२९
	आयटीआय सिग्नल ते सुला चौक (३३०० to ७०५०)	
	सुला चौक ते पिंपळगाव बहुला मनपा हद्द (७०५० to ८०७०)	
३३)	गंगापूर रोड बारदान फाटा ते सुला चौक	५६.८६
	बारदान फाटा ते बबन लॉन्स (० to १४७०)	
	बबन लॉन्स ते कार्बन नाका (१४७० to २७००)	
	कार्बन नाका ते सुला चौक (२७०० to ५०१०)	
३४)	त्रिंबक रोड पपाया नर्सरी सिग्नल ते XLO जंक्शन. (० to २७९०)	७७.३३
३५)	आसाराम बापू आश्रम ते नवश्या गणपती ते वृंदावन लॉन्स	५१.२५
	बापू आश्रम ब्रिज ते गंगाजल नर्सरी (१२६० to १८३०)	
	गंगाजल नर्सरी ते शिव नगर (१८३० to २३४०)	
	शिव नगर ते बेंडकुळे मळा (२३४० to २७९०)	
	बेंडकुळे मळा ते वृंदावन लॉन्स (२७९० to ३१३५)	
३६)	नाशिक पंचवटी विभागातील कपिला संगम ते लक्ष्मीनारायण मंदिर ते रा.म. क्रमांक ३ ते पंचमुखी हनुमान मंदिर ते काट्यामारुती चौक ते गणेशवाडी देवी मंदिर ते गाडगेमहाराज पूल पावेतोचा रस्ता विकसित करणे	२२.६४
	कपिला संगम ते लक्ष्मीनारायण मंदिर	
	लक्ष्मीनारायण मंदिर ते रा.म. क्रमांक ३	
	रा.म. क्रमांक ३ ते पंचमुखी हनुमान मंदिर	
	पंचमुखी हनुमान मंदिर ते काट्यामारुती चौक	
	गणेशवाडी देवी मंदिर ते गाडगेमहाराज पूल	
	गणेशवाडी देवी मंदिर ते टाळकुटे पूल	
३७)	नाशिक पंचवटी विभागातील रामकुंड ते सार्वजनिक वाचनालय ते पंचवटी कारंजा ते निमाणी चौक ते काट्यामारुती चौक ते रा.म. क्रमांक ३ पावेतोचा रस्ता विकसित करणे	१५.०७
	रामकुंड ते सार्वजनिक वाचनालय	
	सार्वजनिक वाचनालय ते पंचवटी कारंजा	
	निमाणी चौक	
	पुरिया पार्क ते आर पी विद्यालय	
	निमाणी बस स्टॅन्ड	
	निमाणी ते काट्यामारुती चौक ते रा.म. क्रमांक ३	
	काट्यामारुती चौक	

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३८)	नाशिक पंचवटी विभागातील लक्ष्मीनारायण मंदिर ते पंचवटी अमरधाम ते गाडगेमहाराज पूल पावेतोचा रस्ता विकसित करणे	१०.६६
३९)	नाशिक पंचवटी विभागातील कपिला संगम ते जयशंकर फेस्टीवल लॉन्स ते नांदूर-दसक शिव रोड पावेतोचा रस्ता विकसित करणे	११.३६
	नाशिक पंचवटी विभागातील कपिला संगम ते जयशंकर फेस्टीवल लॉन्स	
	जयशंकर फेस्टीवल लॉन्स ते नांदूर-दसक शिव रोड	
४०)	नाशिक पंचवटी विभागातील कर्मा गॅलॅक्सि ते तपोवन एसटीपी ते सर्वे क्रमांक ३५७ ते नांदुरगाव पावेतोचा रस्ता विकसित करणे	२०.२६
	कर्मा गॅलॅक्सि ते तपोवन एसटीपी	
	तपोवन एसटीपी ते सर्वे क्रमांक ३५७	
	सर्वे क्रमांक ३५७ ते नांदुरगाव	
४१)	नाशिक पंचवटी विभागातील तपोवन बस डेपो ते पिंपळेश्वर मारुती मंदिर, चव्हाण मळा पावेतोचा रस्ता विकसित करणे	८.०९
४२)	नाशिक पंचवटी विभागातील आठवण मंगल कार्यालय ते चव्हाण मळा, स्वामी नारायण शाळा रा.म. क्रमांक ३ पावेतोचा रस्ता विकसित करणे	४.५१
४३)	नाशिक पंचवटी विभागातील काट्यामारुती चौक ते हत्ती पूल ते काळाराम मंदिर पावेतोचा रस्ता विकसित करणे	३.५०
४४)	नाशिक पंचवटी विभागातील जनार्दन स्वामी मठ ते लक्ष्मीनारायण पूल पावेतोचा रस्ता विकसित करणे	११.६०
४५)	नाशिक पंचवटी विभागातील शिंदे माळा ते मार्केट सिग्नल ते गुंजाळ बाबा चौक तारवाला चौक ते अमृतधाम चौक ते मिर्ची हॉटेल चौक ते संगम पूल पावेतोचा रस्ता विकसित करणे	८३.२६
	शिंदे माळा ते मार्केट सिग्नल ते तारवाला चौक ते गुंजाळ बाबा चौक	
	गुंजाळ बाबा चौक ते अमृतधाम चौक	
	अमृतधाम चौक ते मिर्ची हॉटेल चौक	
	मिर्ची हॉटेल चौक ते संगम पूल	
४६)	नाशिक पंचवटी विभागातील घाडगे मळा ते मखमलाबाद रोड ते आरटीओ कार्यालय, पेठ रोड ते राजस्वीट चौक, दिंडोरी रोड ते रासबिहारी शाळा रा.म. क्रमांक ३ ते निलगिरीबाग चौक ते टाकळी एसटीपी पूल पावेतोचा रस्ता विकसित करणे	११३.८२
	घाडगे मळा ते मखमलाबाद रोड ते आरटीओ कार्यालय, पेठ रोड	
	आरटीओ कार्यालय, पेठ रोड ते राजस्वीट चौक दिंडोरी रोड	
	राजस्वीट चौक, दिंडोरी रोड ते रास बिहारी शाळा रा.म. क्रमांक ३	
	रासबिहारी शाळा रा.म. क्रमांक ३ ते निलगिरीबाग चौक	
	निलगिरीबाग चौक ते टाकळी एसटीपी पूल	
४७)	नाशिक पंचवटी विभागातील चांदशी पूल ते गांधारवाडी ते डावा कॅनॉल लगत ते मखमलाबाद रोड ते शिंदे नगर पावेतोचा रस्ता विकसित करणे	६४.२३
	चांदशी पूल ते गांधारवाडी ते डावा कॅनॉल लगत	
	कॅनॉल लगत ते मखमलाबाद रोड ते शिंदे नगर	
४८)	नाशिक पंचवटी विभागातील निमाणी चौक ते मनपा हद्द, दिंडोरी रोड पावेतोचा दिंडोरी रस्ता विकसित करणे	५९.५७
	निमाणी चौक ते म्हसरूळ गाव	
	म्हसरूळ गाव ते आळंदी कालवा	
	आळंदी कालवा ते मनपा हद्द	

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

महानगरपालिका महासभा ठराव

सभा क्र. : ०६

विषय क्र. : ३२१ ठराव क्र. : ३२१ दिनांक : ०४ /०९ /२०२५

४९)	नाशिक पंचवटी विभागातील पेठ रोड कालवा ते तवली फाटा ते आळंदी कालवा पावेतोचा पेठ रस्ता विकसित करणे	७६.४९
	पेठ रोड कालवा ते मेहेरधाम	
	मेहेरधाम ते राऊ चौक ते मेघराज बेकरी	
	मेघराज बेकरी ते आळंदी कालवा	
५०)	नाशिक पंचवटी विभागातील नांदूर पूल ते नांदूर नाका ते जत्रा हॉटेल ते म्हसरूळ आडगाव लिंक रोड पावेतोचा रस्ता विकसित करणे	९३.६१
	नांदूर पूल ते नांदूर नाका	
	नांदूर नाका ते जत्रा हॉटेल	
	जत्रा हॉटेल ते म्हसरूळ आडगाव लिंक रोड	
५१)	नाशिक पंचवटी विभागातील आडगाव राष्ट्रीय महामार्ग ३ ते म्हसरुळगाव पावेतोचा रस्ता विकसित करणे	४०.०६
५२)	नाशिक पंचवटी विभागातील शासकीय रोपवाटिका पूल ते मखमलाबाद गाव (उत्तम बादशाहा मार्ग) पावेतोचा रस्ता विकसित करणे	२८.९५
५३)	नाशिक पंचवटी विभागातील मिनाताई ठाकरे क्रीडासंकुल ते कमल नगर चौक ते भोरे नाट्यगृह पावेतोचा रस्ता अस्तरीकरण करणे	७.३७
	मिनाताई ठाकरे क्रीडासंकुल ते कमल नगर चौक	
	कमल नगर चौक ते भोरे नाट्यगृह	
५४	नाशिक पंचवटी विभागातील आडगाव नाका, बाप्पा सीताराम मार्ग ते हिरावाडी पावेतोचा रस्ता विकसित करणे	१०.२१
५५)	नाशिक पंचवटी विभागातील चोपडा लॉन्स पूल ते ड्रीम कॅसल सिग्नल ते मखमलाबाद गाव पावेतोचा रस्ता विकसित करणे	६३.७०
	चोपडा लॉन्स पूल ते ड्रीम कॅसल सिग्नल	
	ड्रीम कॅसल सिग्नल ते डावा तट कालवा	
	डावा तट कालवा ते मखमलाबाद गाव	
५६)	नाशिक पंचवटी विभागातील म्हसरूळगाव ते गनपा हद्द, वरवंडी रस्ता (विमानतळाकडे जाणारा रस्ता) विकसित करणे	८.६९
५७)	नाशिक पंचवटी विभागातील तपोवन एसटीपी ते संगम पूल ते टाकळी एसटीपी पुल ते नांदूर दसक घाट पावेतोचा नदी लगतचा रस्ता विकसित करणे.	६४.५१
५८)	नाशिक पंचवटी विभागातील पार्कसाईड ते जत्रा रोड रस्ता विकसित करणे.	१८.८४
५९)	नाशिक पंचवटी विभागातील आनंदवली पूल ते आसारामबापू पुलापर्यंत गोदावरी नदीकाठी डाव्या बाजूच्या रस्त्याला गॅबियन भिंत बांधून रस्ता विकसित करणे	३९.६४

	पुलांची कामे	
१)	मिलिंद नगर येथील वाहतुक कोंडी सोडविणे कामी नंदिनी नदीवर २४ मीटर डी. पी.रस्त्यावर पुल बांधणे.	१९.२३
२)	लक्ष्मीनारायण मंदिरालगत समांतर पुल बांधणे.	२०.९६
३)	रामवाडी ते घारपुरे घाट पर्यंत वाहतुक कोंडी सोडविणे कामी गोदावरी नदीवर पुल बांधणे.	२४.९१
४)	संत गाडगेमहाराज पुलाचे रुंदीकरण, मजबुतीकरण व सौदर्यीकरण करणे.	११.३५

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

महानगरपालिका महासभा ठराव

सभा क्र. : ०६

विषय क्र. : ३२१ ठराव क्र. : ३२१ दिनांक : ०४/०९/२०२५

५)	संत गाडगेमहाराज पुलाचे लगत डाऊन रॅम्पचे बांधकाम करणे.	५.८५
६)	गणेशवाडी भाजी बाजार जवळील वाघाडी नदी लगत संरक्षक भिंत (Curtain wall) बांधणे	७.१९
७)	वडनेर दुमाला येथे वालदेवी नदीवर अस्तित्वातील पुला लगत नव्याने पूल बांधणे.	१६.८२
	एकूण	१०६.३१

सबब, वर नमुद सर्व कामे नाशिक शहरातील कुंभमेळा नियोजनाच्या दृष्टीने आवश्यक असून सदर कामांना मंजुरी मिळणे, निधी मिळणे व प्रशासकीय मान्यता मिळणेसाठी पाठविण्यास, त्याचप्रमाणे यापैकी नाशिक- त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाकडून ज्या कामांना ज्यावेळी मंजुरी मिळेल त्यांची निविदा प्रक्रिया राबविणेस व शिल्लक कामांसाठी पाठपुरावा करणेच्या धोरणात्मक निर्णयास प्रशासकीय मंजुरी देणेत येत आहे.

(मदन हरिश्चंद्र)
प्र.नगरसचिव
नाशिक महानगरपालिका,नाशिक

(मनिषा खत्री)
प्रशासक
नाशिक महानगरपालिका,नाशिक

O-P

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office, Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211 +91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

ACPL/Adm./451/25-26 Date :- 20/11/2025

To,

The Executive Engineer,
Nashik Municipal Corporation,
Nashik.

Sub. :- Submission of FDR no. 0997133 / 04730300045506.

Ref. :- Your letter No. PWD/Desk-2/230/2025, dated 13/11/2025.

Respected Sir,

We are submitting herewith FDR amount of Rs. 48,10,000/- (Forty Eight Lakh Ten Thousand only) bearing FDR no. 0997133 & A/c No. 04730300045506, dated 20/11/2025 towards Additional Security Deposit, drawn on Bank of Baroda, Nasik city Branch, Nashik for the below mentioned work.

Sr. No.	Name of Work	FDR Amount	FDR No & A/c No.
1.	Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection).	48,10,000/-	0997133 / 04730300045506

Please acknowledge the receipts.

Thanking you,

Yours Faithfully

ANAND CONSTRUWELL PVT. LTD. NASIK

For Anand Construwell Pvt. Ltd.

Encl. :- 1) FDR No. 0997133 / 04730300045506 dated 20/11/2025.

कार्यकारी अभियंता
सार्वजनिक बांधकाम विभाग
आवक क्र. 739 दि. 20/11/25
जावक क्र. दि. / /

नाशिक महानगरपालिका
Nashik Municipal Corporation
Rajeev Gandhi Bhavan, Sharanpur Road (Post Box No.१२), Nashik – ४२२ ००२
Visit us at : www.nmc.gov.in e-mail : ce-pwd@nmc.gov.in

जा.क्र.साबांवि/डेस्क-२/२२९/२०२५
दिनांक- १२/११/२०२५

प्रति,
मे.आनंद कंनस्ट्रुवेल प्रा.लि.,
निविदाधारक, नाशिक

विषय :- के.टी.एच.एम.पुल ते जुना गंगापुर नाका ते शणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते माहमार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ताविकसीत करणे.

संदर्भ :- ई-निविदा सु.क्र.०३/०९ (सन २०२५-२६)

महोदय,

नाशिक येथे सन २०२७ साली होणारा सिंहस्थ कुंभमेळा अनुषंगाने करावयाच्या वरील विषयांकीत कामासाठी प्राप्त निविदांमध्ये तुम्ही सादर केलेली निविदा सर्वात न्युनतम दराची म्हणजेच **प्राकलन दरापेक्षा ७.२९०** % इतक्या **कमी** दराची निविदा दाखल केली आहे. तुम्ही दाखल केलेल्या निविदेच्या दराबाबत चर्चा करावयाची असुन पुढील निर्णय घ्यावयाचा आहे. त्यामुळे इकडील कार्यालयात याबाबत चर्चेसाठी **गुरुवार, दिनांक १३/११/२०२५ रोजी सकाळी ११.०० वा** आपण अथवा आपला प्रतिनिधी पत्रासह शहर अभियंता व कार्यकारी अभियंता यांचे दालनात उपस्थित रहावे. त्याच बरोबर सादर केलेल्या दराबाबत योग्य ते **दरपृथ:करण** लेखी स्वरुपात सादर करावे.

कार्यकारी अभियंता (बांधकाम)
नाशिक महानगरपालिका, नाशिक

ANAND
CONSTRUWELL PVT. LTD.

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ACPL/Adm/436/२५-२६

दि. १३ .११ .२०२५

प्रति,
मा. कार्यकारी अभियंता (बांधकाम),
नाशिक महानगरपालिका,
नाशिक.

कामाचे नाव :- के.टी .एच .एम .पुल ते जुना गंगापूर नाका ते शरणपुर पोलीस चौकी , बॉश मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकंडे जाणारा रस्ता /वाहनतळ जोडणारा रस्ता) विकसित करणे.

संदर्भ:-१) आम्ही सादर केलेली ई निविदा सु.क्र.०३/०९/(२०२५-२६)
२) आपले पत्र जा.क्र .सांबावी /डेस्क -२/२२९/२०२५ .

महोदय,
नाशिक महानगरपालिकेने सिहस्थ कुंभमेळा अंतर्गत प्रस्तावित वरील विश्यांकित कामाची सद्यस्थिती खालील प्रमाणे आहे -

१) सदर रस्ता हा महामार्ग बस स्टॅन्ड ते जुना गंगापूर नाक्यापर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असून सदर रस्त्याच्या नुतनीकरणात कॉक्रेटीकरण तसेच डांबरी करन अंतर्भूत आहे.
२) दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉक्रेटीकरणकरिता संपूर्ण लांबीचे तुकडे करून वाहतूक नियंत्रण सुरळीत ठेऊन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे ,रस्त्याखालील अन्य Utilities जसे कि मल्वाहिका ,Storm water line, पाणी पुरवठा वाहिन्या ,gas pipeline ,Cable network, विद्युत वाहिनी , Street light cables, Utilities इत्यादीचे काम झाल्यानंतर पृष्ठभागाचे काम करावे लागणार आहे.
३) कॉक्रेटीकरणामुळे काम केल्यानंतर Curing Period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे , तसेच अत्यंत दाट वर्दळीमुळे कॉक्रेटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे .

४) सिहस्थ अंतर्गत काम असल्याने काम नियोजनबद्ध रित्या व वेळेत करणे बंधनकारक आहे .वरील मुद्यांचा विचार करता आम्ही भरलेला देकार प्राकलन दरापेक्षा ७ .२९ % कमी ,हा अत्यंत स्पर्धात्मक असून तरी आपल्या विनंतीस मान ठेऊन आम्ही सदरच्या निविदेत ०.२१ % Rebate सादर करत असून सदरचे काम आम्ही अंदाजपत्रकापेक्षा ७ .५० % कमी दराने करण्यास तयार आहोत त्या अनुशंगाने पुढील योग्य ती कार्यवाही करून आम्हांस काम करण्यात संधी द्यावी हि नम्र विनंती .

ANAND CONSTRUWELL PVT. LTD. NASHIK

आनंद कन्स्ट्रुवेल प्रा. लि.

डायरेक्टर

कार्यकारी अभियंता
सार्वजनिक बांधकाम विभाग
आवक क्र. 723 दि. 13/11/25
जावक क्र. ..... दि. / /

ANAND
CONSTRUWELL PVT. LTD.

Ramchandra Apartment, opposite NMC Panchavati Divisional Office,
Makhmalabad Naka, Panchavati, Nashik 422003. I Tel. : +91 253 2513211
+91 253 2517212 I Mobile : +91 9822011517 I E-Mail : acplnsk@gmail.com
GST Reg. No. : 27AAFCA7736H1ZI I CIN No. : U70100MH1996PTC102326

ACPL/Adm/436/25-26 दि. 13/11/2025

प्रति,
मा. कार्यकारी अभियंता (बांधकाम)
नाशिक महानगर पालिका,
नाशिक.

कामाचे नांव -के.टी.एच.एम. पुल ते जुना गंगापुर नाका ते शरणपुर पोलिस चौकी, बॉश मायको सर्कल ते चांडक सर्कल ते महामार्ग बस स्टँड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा रस्ता) विकसित करणे.

संदर्भ - १) आम्ही सादर केलेली ई निविदा सु. क्र. ०३/०९(२०२५-२६)
२) आपले पत्र जा. क्र. साबांवि/ डेस्क -२/२२९/२०२५.

महोदय,

नाशिक महानगरपालिकेने सिंहस्थ कुंभमेळा अंतर्गत प्रस्तावित वरील विषयांकीत कामाची सद्यस्थिती खालील प्रमाणे आहे -

१) सदर रस्ता हा महामार्ग बस स्टँड ते जुना गंगापुर नाकयापर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात काँक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.
२) दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर काँक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्याखालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्यानंतर पृष्ठभागाचे काम करावे लागणार आहे.
३) काँक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे काँक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.
४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबदध्रित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार प्राकलन दरापेक्षा ७.२९% कमी, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी ही नम्र विनंती.

आनंद कन्स्ट्रुवेल प्रा. लि.

डायरेक्टर

ANAND CONSTRUWELL PVT. LTD. NASIK

कार्यकारी अभियंता
सार्वजनिक बांधकाम विभाग
आवक क्र. 723 दि. 13/11/25
जावक क्र. ..... दि. / /

नाशिक महानगरपालिका
Nashik Municipal Corporation
Rajeev Gandhi Bhavan, Sharanpur Road (Post Box No.१२), Nashik – ४२२ ००२
Visit us at : www.nmc.gov.in e-mail :nmc@gov.in

जा.क्र.साबांवि/डेस्क-२/ 230 /२०२५
दिनांक- 13/११/२०२५

प्रति,
मे.आनंद कंनस्ट्रुवेल प्रा.लि.,
निविदाधारक, नाशिक

विषय :- के.टी.एच.एम.पुल ते जुना गंगापुर नाका ते शणपुर पोलिस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते माहमार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/ वाहनतळ जोडणारा) रस्ता विकसीत करणे.

संदर्भ :- १) ई-निविदा सु.क्र.०३/०९ सन २०२५-२६
२) आपणास दिलेले पत्र जा.क्र.सांबावि/डेस्क-२/२२९/२०२५ दि.११/११/२०२५
३) मक्तेदार यांनी दि.१३/११/२०२५ रोजी दिलेले पत्र.

महोदय,

नाशिक येथे सन २०२७ साली होणारा सिंहस्थ कुंभमेळा अनुषंगाने करावयाच्या वरील विषयांकीत कामासाठी प्राप्त निविदांमध्ये तुम्ही सादर केलेली निविदा सर्वात न्युनतम दराची म्हणजेच **प्राकलन दरापेक्षा ७.२९० %** इतक्या **कमी** दराची निविदा दाखल केली आहे. सदर निविदा दरा बाबत झालेल्या चर्चेनुसार आपण संदर्भ क्र.०३ नुसार विषयांकीत काम निविदा दरापेक्षा **७.५० % कमी** दरानेच मंजुर करण्याची विनंती केली आहे. यास्तव निविदा अटी व शर्ती क्र.२.२ नुसार **मा.आयुक्त नाशिक महानगरपालिका, नाशिक या नावे** अतिरिक्त सुरक्षा अनामत रक्कमे पोटी **र.रु.४८,१०,०००/-** इतक्या रक्कमेची **राष्ट्रीय कृत बँकेचा एफ.डी.आर/ बँक गॅरंटी**, अथवा रोख स्वरुपात मनपा खजिन्यात भरणा करुन त्याची पावती ८ दिवसांचे आत इकडील कार्यालयात सादर करावी. विहीत मुदतीत अतिरीक्त सुरक्षा अनामत रक्कमेची पुर्तता न केल्यास निविदा अटी व शर्ती क्र.२.२ (२) नुसार पुढील कार्यवाही करणेत येईल याची कृपया नोंद घ्यावी.

कार्यकारी अभियंता (बांधकाम)
नाशिक महानगरपालिका, नाशिक

T-03-09

48,08,09,406·71

GST- 7,22,09,652·22

Roy - 74,35,019·95

40,11,64,734

7·29 % वाली

37,19,19,824·89

GST 6,69,45,568·48

74,35,019·95

44,63,00,413·32

7·50 % वाली

37,10,77,379/—

GST - 6,67,93,928/—

Roy - 74,35,020/—

44,53,06,327/—

B S Chopra
Profit & Loss A/c : 1-Apr-2016 to 31-Mar-2017

Particulars	1-Apr-2016 to 31-Mar-2017	Particulars	1-Apr-2016 to 31-Mar-2017
Labour Charges	6,13,835.89		
LBT	1,20,512.00		
Machinery Insurance	8,701.00		
Miscellaneous Exp	14,274.45		
Pavor Insurance	90,300.00		
Petrol Exp	2,31,805.00		
Printing and Stationary	7,650.00		
Repairs and Maintenance	2,72,659.01		
[illegible]alty	3,10,079.00		
[illegible]ary	6,65,940.00		
Sign Board	5,30,792.00		
Site Expenses	19,71,458.60		
Telephone Exp	15,164.32		
Testing Charges	1,20,450.00		
Two Wheeler Insurance	6,667.00		
VAT Paid	8,98,913.00		
Vehicle Insurance (Commercial)	3,96,631.00		
WCT	16,77,688.00		
Total	1,83,74,740.16	Total	1,83,74,740.16

As Per Report of Even Date
For Govilkar & Associates
Chartered Accountants
FRN 119099W

(H. M. Govilkar)
Partner
M.No.041693

GOVILKAR AND ASSOCIATES
5/6, Patel Pride, Patil Lane No.2, College Road, Nashik-5, Reg.No. 119099W
CHARTERED ACCOUNTANTS

CERTIFIED TRUE COPY
For Govilkar & Associates
Chartered Accountants
FRN 119099W

(S.P.Tikekar)
Partner
M.No.110180

GOVILKAR AND ASSOCIATES
5/6, Patel Pride, Patil Lane No.2, College Road, Nashik-5, Reg.No. 119099W
CHARTERED ACCOUNTANTS

नाशिक महानगरपालिका, नाशिक

NMC/PWD/OWL/२०२५/
जा.क्र.मनपा/बांध/न.स./२६९ /२०२५
दि. १२ /१२ /२०२५

प्रति,
मा. नगरसचिव,
नाशिक महानगरपालिका,
यांचेकडेस —

विषय : के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणे.

संदर्भ : १) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५
२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)
३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचाकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे.

त्यानुसार संपुर्ण निविदा प्रक्रीया राबविण्यासाठी नाशिक महानगरपालिकेमध्ये स्वतंत्र मध्यवर्ती निविदा कक्षाची स्थापना करण्यात आली आहे, त्यामुळे मध्यवर्ती निविदा कक्षाकडुन सदर कामाची ई-निविदा प्रक्रिया राबविण्यात आली असून त्याचा तपशिल खालील प्रमाणे आहे.

१) विभागाचे नांव	: सार्वजनिक बांधकाम विभाग
२) प्राकलन मंजुर रक्कम	: **र.रु. ४८,०८,०९,४०७/-** (**अक्षरी** - अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात फक्त)
३) तांत्रिक मान्यता	: स्थापत्य विषयक कामास मा.शहर अभियंता यांची नं. NMC/PWD/TS/३/२०२५, दि.११/०९/२०२५ अन्वये मा.शहर अभियंता सो, तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ यांनी तांत्रिक मान्यता दिलेली आहे.
४) निविदा सुचना क्रमांक	: ई - निविदा सुचना क्र. ०३/०९ (सन २०२५-२६)

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक

दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्रामविकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुन:श्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन रोजी आर्थिक देकार उघडण्यात आले आहेत.. त्या बाबतचा तपशिल खालीलप्रमाणे आहे.

अ.नं.	निविदाधारकाचे नांव	पुर्वगणपत्रकापेक्षा टक्केवारी
१.	**मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक**	**७.२९० % कमी दराने**

वरील निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर काँक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) काँक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे काँक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार **प्राकलन दरापेक्षा ७.५० % कमी**, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

त्यानुसार **मक्तेदार** यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अ.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७** /- (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) इतक्या रकमेपर्यंत काम करुन घेणेसाठी व त्यांच्याशी करार करण्यास मान्यता घेण्यासाठी सदरचा विषय मा.स्थायी समितीच्या मंजुरीस सविनय सादर

शहर अभियंता
नाशिक महानगरपालिका

अति. आयुक्त (शहर)
नाशिक महानगरपालिका

सदर प्रकरणी महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदीनुसार कार्यवाही करणेत यावी.

आयुक्त तथा प्रशासक
नाशिक महानगरपालिका, नाशिक

23/12/2024

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : ९७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

संदर्भ- मा.आयुक्त तथा प्रशासक सो. यांचेकडील जा.क्र/बांध/२६९ /२०२५ दि. १२.१२.२०२५ चे पत्र.

१) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५

२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)

३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचाकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

महाराष्ट्र महानगरपालिका अधिनियमातील कलम ४५२ (अ) मधील तरतुदीनुसार मा.प्रशासक सो.यांना प्राप्त झालेल्या अधिकारानुसार असा ठराव करण्यांत येत आहे कि,

के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणेचे काम नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे.

त्यानुसार संपुर्ण निविदा प्रक्रीया राबविण्यासाठी नाशिक महानगरपालिकेमध्ये स्वतंत्र मध्यवर्ती निविदा कक्षाची स्थापना करण्यात आली आहे, त्यामुळे मध्यवर्ती निविदा कक्षाकडुन सदर कामाची ई-निविदा प्रक्रिया राबविण्यात आली असून त्याचा तपशिल खालील प्रमाणे आहे.

१) विभागाचे नांव	: सार्वजनिक बांधकाम विभाग
२) प्राकलन मंजुर रक्कम	: **र.रु. ४८,०८,०९,४०७/-** (**अक्षरी** - अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात फक्त)
३) तांत्रिक मान्यता	: स्थापत्य विषयक कामास मा.शहर अभियंता यांची नं. NMC/PWD/TS/३/२०२५, दि.११/०९/२०२५ अन्वये मा.शहर अभियंता सो, तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ यांनी तांत्रिक मान्यता दिलेली आहे.
४) निविदा सुचना क्रमांक	: ई - निविदा सुचना क्र. ०३/०९ (सन २०२५-२६)

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अंतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्राम्विकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : ७७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ /१२ /२०२५

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुनःश्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन रोजी आर्थिक देकार उघडण्यात आले आहेत.. त्या बाबतचा तपशिल खालीलप्रमाणे आहे.

अ.नं.	निविदाधारकाचे नांव	पुर्वगणपत्रकापेक्षा टक्केवारी
१.	मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक	७.२९० % कमी दराने

वरील निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉंक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉंक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) कॉंक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे कॉंक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार **प्राकलन दरापेक्षा ७.५० % कमी**, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

त्यानुसार **मक्तेदार** यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अ.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : १७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७ /-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) इतक्या रकमेपर्यंत काम करुन घेणेस व करार करण्यास नियमानुसार मंजुरी देणेत येत आहे.

(मदन हरिश्चंद्र)
प्र.नगरसचिव,
नाशिक महानगरपालिका, नाशिक

(मनिषा खत्री)
प्रशासक,
नाशिक महानगरपालिका, नाशिक

नाशिक महानगरपालिका, नाशिक

NMC/PWD/OWL/२०२५/
जा.क्र.मनपा/बांध/न.स./२६९ /२०२५
दि. ९२ /९२ /२०२५

प्रति,
मा. नगरसचिव,
नाशिक महानगरपालिका,
यांचेकडेस –

विषय : के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणे.

संदर्भ : १) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५
२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)
३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचाकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे.

त्यानुसार संपुर्ण निविदा प्रक्रीया राबविण्यासाठी नाशिक महानगरपालिकेमध्ये स्वतंत्र मध्यवर्ती निविदा कक्षाची स्थापना करण्यात आली आहे, त्यामुळे मध्यवर्ती निविदा कक्षाकडुन सदर कामाची ई-निविदा प्रक्रिया राबविण्यात आली असून त्याचा तपशिल खालील प्रमाणे आहे.

१) विभागाचे नांव	: सार्वजनिक बांधकाम विभाग
२) प्राकलन मंजुर रक्कम	: **र.रु. ४८,०८,०९,४०७/-** (**अक्षरी** - अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात फक्त)
३) तांत्रिक मान्यता	: स्थापत्य विषयक कामास मा.शहर अभियंता यांची नं. NMC/PWD/TS/३/२०२५, दि.११/०९/२०२५ अन्वये मा.शहर अभियंता सो, तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ यांनी तांत्रिक मान्यता दिलेली आहे.
४) निविदा सुचना क्रमांक	: ई - निविदा सुचना क्र. ०३/०९ (सन २०२५-२६)

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक

दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्रामविकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुन:श्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन रोजी आर्थिक देकार उघडण्यात आले आहेत.. त्या बाबतचा तपशिल खालीलप्रमाणे आहे.

अ.नं.	**निविदाधारकाचे नांव**	**पुर्वगणपत्रकापेक्षा टक्केवारी**
१.	**मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक**	**७.२९० % कमी दराने**

वरील निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर कॉंक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) कॉंक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे कॉंक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार **प्राकलन दरापेक्षा ७.५० % कमी**, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

त्यानुसार **मक्तेदार** यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अ.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७ /-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) इतक्या रकमेपर्यंत काम करुन घेणेसाठी व त्यांच्याशी करार करण्यास मान्यता घेण्यासाठी सदरचा विषय मा.स्थायी समितीच्या मंजुरीस सविनय सादर

शहर अभियंता
नाशिक महानगरपालिका

अति. आयुक्त (शहर)
नाशिक महानगरपालिका

सदर प्रकरणी महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदीनुसार कार्यवाही करणेत यावी.

आयुक्त तथा प्रशासक
नाशिक महानगरपालिका, नाशिक

21/12/2024

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : ९७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

संदर्भ- मा.आयुक्त तथा प्रशासक सो. यांचेकडील जा.क्र/बांध/२६९ /२०२५ दि. १२.१२.२०२५ चे पत्र.

१) मा.महासभा ठराव क्रमांक.३२१ दिनांक. ०४ /०९ /२०२५

२) ई- निविदा सु.क्र.०३/०९ (सन २०२५-२६)

३) नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरण यांचाकडील प्रशासकीय मान्यता आदेश दि.१४/०९/२०२५.

महाराष्ट्र महानगरपालिका अधिनियमातील कलम ४५२ (अ) मधील तरतुदीनुसार मा.प्रशासक सो.यांना प्राप्त झालेल्या अधिकारानुसार असा ठराव करण्यांत येत आहे कि,

के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता / वाहनतळ जोडणारा) रस्ता विकसीत करणेचे काम नाशिक-त्र्यंबकेश्वर येथे सन-२०२७ होणारा सिंहस्थ कुंभमेळा पुर्व तयारी दृष्टीकोनातुन वाहतुक व्यवस्था सुधारणे आदी दृष्टीकोनातुन रस्त्याचा कामाची यादी तयार करुन त्यानुसार निधी मागणीसाठी प्रस्ताव सादर करण्यास मा.महासभा ठराव क्र.३२१ दि.०४/०९/२०२५ अन्वये मान्यता प्राप्त झाली आहे. त्यापुर्वी नाशिक महानगरपालिके मार्फत दि.०२/०७/२०२४ अन्वये र.रु.१५१७२.४२ कोटी रक्कमेचा आराखडा मंजुरीसाठी पाठविण्यात आला होता. त्याचप्रमाणे दि.०४/०६/२०२५, दि.१७/०७/२०२५, दि.१०/०७/२०२५, दि.०९/०९/२०२५, दि.०३/१०/२०२५, दि.२४/१०/२०२५ अन्वये वारंवार निधी मंजुरीसाठी पाठपुरावा करण्यात आला. त्याचप्रमाणे पोलिस विभागाने त्याचाकडील दि.२८/०७/२०२५ व दि.०९/०९/२०२५ चा पत्रान्वये प्रधान्यक्रम कळविला आहे. त्यास अनुसरुन नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणा मार्फत दि.१४/०९/२०२५ व दि.२२/०९/२०२५ अन्वये प्रशासकीय मान्यता प्राप्त झालेली आहे.

त्यानुसार संपुर्ण निविदा प्रक्रीया राबविण्यासाठी नाशिक महानगरपालिकेमध्ये स्वतंत्र मध्यवर्ती निविदा कक्षाची स्थापना करण्यात आली आहे, त्यामुळे मध्यवर्ती निविदा कक्षाकडुन सदर कामाची ई-निविदा प्रक्रिया राबविण्यात आली असून त्याचा तपशिल खालील प्रमाणे आहे.

१) विभागाचे नांव	: सार्वजनिक बांधकाम विभाग
२) प्राकलन मंजुर रक्कम	: **र.रु. ४८,०८,०९,४०७/-** (**अक्षरी** - अठ्ठेचाळीस कोटी आठ लक्ष नऊ हजार चारशे सात फक्त)
३) तांत्रिक मान्यता	: स्थापत्य विषयक कामास मा.शहर अभियंता यांची नं. NMC/PWD/TS/३/२०२५, दि.११/०९/२०२५ अन्वये मा.शहर अभियंता सो, तसेच विद्युत विभाग यांचे कडील नं. TS/४८/२०२५ दिनांक १६/०९/२०२५ यांनी तांत्रिक मान्यता दिलेली आहे.
४) निविदा सुचना क्रमांक	: ई - निविदा सुचना क्र. ०३/०९ (सन २०२५-२६)

त्यानुसार सदर कामाची महाराष्ट्र महानगरपालिका अधिनियम २०१२ मधील प्रकरण ५.२.१ मधील तरतुदीनुसार **ई-निविदा सुचना क्र.०३/०९** (२०२५-२६) दि. २१/०९/२०२५ अन्वये दै.लोकमत, दै.दिव्य मराठी, दै.सकाळ, दै.लोकमत टाईम्स, दै.टाईम्स ऑफ इंडिया, दै.मिन्ट टाईम्स, दै.हिदुस्तान टाईम्स, दै.नवभारत, दै.प्रात:काल, दै.फ्रिप्रेस जरनल, या वर्तमान पत्रात **र.रु.४८,०८,०९,४०७/-** ची निविदा प्रसिध्द करुन ऑनलाईन निविदा मागविल्या असता दि.१७/१०/२०२५ पावेतो अंतिम मुदतीत एकुण दोन (०२) निविदाधारकांनी निविदा सादर केलेल्या होत्या. परंतु स्पर्धात्मक दर प्राप्त होण्याचा दृष्टीने सदर कामास द्वितीय कॉल दि.२४/१०/२०२५ पावेतो वाढवुन देण्यात आला, त्याच्या अंतीम मुदतीत पुन:श्च दोनच निविदा प्राप्त झाल्या आहेत.उपरोक्त नुसार मध्यवर्ती निविदा कक्षाकडुन प्राप्त तांत्रिक तपासणी अहवालाचे अवलोकन केले असता, एकुण **दोन (०२)** निविदा प्राप्त असुन त्यापैकी **एक (०१)** निविदाधारकांचे दस्तऐवज पुर्ण असल्याचे निदर्शनास येत आहे.

यासंबंधाने ग्रामविकास विभागाकडील मा.शासन निर्णय क्रमांक.क्र.निविदा-२०१२/प्र.क्र.९७/पंरा-७ दिनांक २३/०९/२०१३ मधील नियम ३(२) ई-निविदा प्रणाली अंतर्गत तीन पेक्षा कमी निविदा धारकांनी भाग घेतला असल्याचे निदर्शनास आल्यास, संबधित निविदा प्राधिकाऱ्याने निविदा उघडण्याच्या विहित वेळेपूर्वी शुध्दीपत्रक प्रसिध्द करुन ७ दिवसांची मुदतवाढ देण्याची कार्यवाही करावी. या मुदतवाढीस द्वितीय मागणी असे गृहीत धरण्यात यावे. असे नमुद आहे.

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : ७७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ /१२ /२०२५

तसेच सार्वजनिक बांधकाम विभाग शासन निर्णय क्रमांक सीएसटी/२०१७/ प्र.क्र.०८/इमा -२ दिनांक २७/०९/२०१८ मधील नियम ४.३ नुसार एकच निविदा संदर्भात- **अशा प्राप्त झालेल्या निविदा, लिफाफा क्र.२ न उघडता तात्काळ फेटाळण्यात याव्यात** व लगेचच नवीन निविदा मागविण्यात याव्यात. मात्र यासंदर्भात मूळ प्रारूप निविदेमध्ये कुठलाही बदल करु नये. (मूळ प्रारूप निविदेमध्ये कुठलाही बदल न केल्यास नवीन केलेली मागणी ही द्वितीय मागणी समजण्यात येईल. अशा मागणीनंतर जर परत एकाकी निविदा प्राप्त झाल्यास अशा निविदांबाबत निविदा उघडून प्रचलित कार्यपध्दतीनुसार पुढील कार्यवाही करावी. अशा निविदेबाबत पुन:श्च फेरनिविदा मागविण्याची आवश्यकता नाही.अशी तरतुद आहे.

उपरोक्त नमुद शासन निर्णयातील तरतुदी व कार्यकारी अभियंता, मध्यवर्ती निविदा कक्ष यांनी सादर केलेल्या तांत्रिक कागदपत्रांचा छाननी अहवाल व शिफारशीची पडताळणी नुसार सविस्तर चर्चेअंती वरिल कामांसाठी तांत्रिकदृष्टया पात्र ठरलेल्या मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि., नाशिक यांची एकमेव निविदाचे आर्थिक देकार उघडणेस दि.१२/११/२०२५ रोजीचा निविदा समितीचा बैठकीच्या इतिवृत्ता नुसार मान्यता मिळालेली आहे.

त्यानुसार दि.१२/१२/२०२५ रोजी मध्यवर्ती निविदा कक्षाकडुन रोजी आर्थिक देकार उघडण्यात आले आहेत.. त्या बाबतचा तपशिल खालीलप्रमाणे आहे.

अ.नं.	निविदाधारकाचे नांव	पुर्वगणपत्रकापेक्षा टक्केवारी
१.	मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक	७.२९० % कमी दराने

वरील निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांना लेखी पत्र देऊन वाटाघाटी व दरपृथ्थकरण सादर करणेबाबत विचारणा केली असता, मक्तेदार यांनी लेखी पत्र सादर करुन खालील प्रमाणे मुद्दे सादर केलेले आहे.

१) सदर रस्ता हा महामार्ग बसस्टॅन्ड ते जुना गंगापुर नाक्या पर्यंत हा शहराच्या मध्यभागी अत्यंत वर्दळीचा रस्ता असुन सदर रस्त्याच्या नुतनीकरणात कॉक्रीटीकरण तसेच डांबरीकरण अंतर्भुत आहे.

२)दाट लोकवस्ती व मुख्य वर्दळीच्या रस्त्यावर काँक्रीटीकरणाकरीता संपुर्ण लांबीचे तुकडे करुन वाहतुक नियंत्रण सुरळीत ठेवुन काम करावे लागणार आहे. तसेच रस्त्याच्या पृष्ठभागाचे काम करणे, रस्त्या खालील अन्य Utilities जसे की मलवाहीका, Storm water line, पाणी पुरवठा वाहीन्या, Gas pipeline, Cable network, विद्युत वाहीनी, Street light cables, Utilities इत्यादीचे काम झाल्या नंतर पृष्ठभागाचे काम करावे लागणार आहे.

३) काँक्रीटीकरणामुळे काम केल्यानंतर Curing period कालावधी नंतरच रस्ता वाहतुकीस सुरु करता येणार आहे, तसेच अत्यंत दाट वर्दळीमुळे काँक्रीटीकरणाचे काम हे रात्रीच्या वेळेत करावे लागणार आहे.

४) सिंहस्था अंतर्गत काम असल्याने काम नियोजनबध्दरित्या व वेळेत करणे बंधनकारक आहे. वरील मुद्यांचा विचार करता आम्ही भरलेला देकार **प्राकलन दरापेक्षा ७.५० % कमी**, हा अत्यंत स्पर्धात्मक व योग्य असुन आम्ही भरलेला देकार हा अंतिम असुन त्या अनुषंगाने पुढील योग्य ती कार्यवाही करुन आम्हांस काम करण्यास संधी दयावी असे लेखी पत्र दिले आहे.

त्यानुसार **मक्तेदार** यांनी सादर केलेले स्पष्टीकरण व त्यांचा दर प्राकलन दरापेक्षा **७.२९० % कमी** दरा ऐवजी सदरचे काम प्राकलन दरापेक्षा **७.५० % कमी** दराने करण्याची तयारी दर्शविली आहे.

विषयांधीन के.टी.एच.एम. पूल ते जुना गंगापूर नाका ते शरणपूर पोलीस चौकी, बॉश (मायको) सर्कल ते चांडक सर्कल ते महामार्ग बस स्टॅन्ड (घाटाकडे जाणारा रस्ता/वाहनतळ जोडणारा) रस्ता विकसीत करणे. या कामास संदर्भ क्र.३ अन्वये नाशिक-त्र्यंबकेश्वर कुंभमेळा प्राधिकरणाची प्रशासकीय मंजुरी प्राप्त झाली असुन, त्यामध्ये अं.क्र.१० वर सदर कामाचा समावेश असुन प्रशासकीय मान्यता रक्कम रु.४८.०८ कोटी आहे. शासन निधीतुन कामासाठी उपलब्ध तरतुदी मधुन सदरचा खर्च करण्यात येईल.

महानगरपालिका सचिवालय

नाशिक महानगरपालिका, नाशिक

स्थायी समिती ठराव

सभा क्र. : १७

विषय क्र. : ४६४ ठराव क्र. : ४६४ दिनांक : १२ / १२ / २०२५

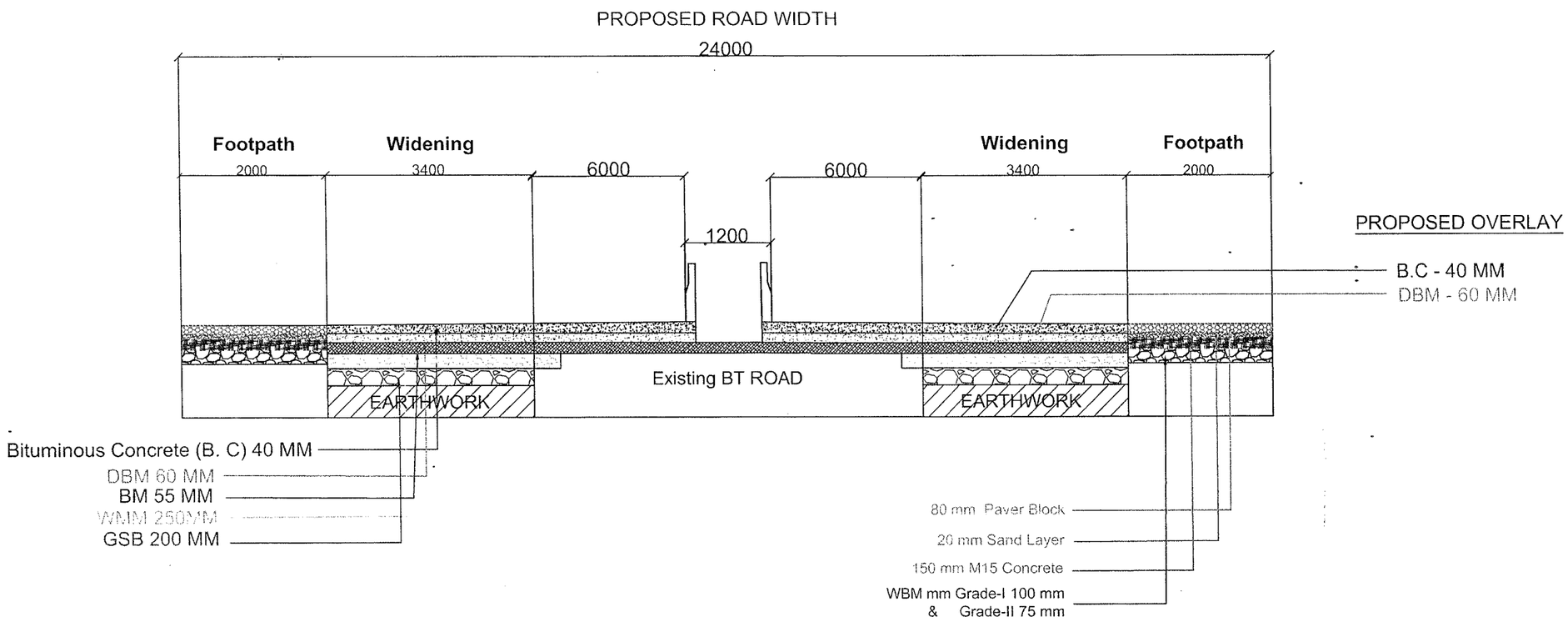
सदर प्रशासकीय मान्यतेनुसार न्युनतम निविदाधारक **मक्तेदार मे.आनंद कंन्स्ट्रुवेल प्रा.लि.,नाशिक** यांचेकडून प्राकलन दरापेक्षा **७.५० % कमी** दराने र.रु.३७,१०,७७,३७९/- अधिक (र.रु.६,६७,९३,९२८/- जी.एस.टी. + र.रु.७४,३६,०२०/- रॉयल्टी व टेस्टींग चार्जेस सह) अशी **एकुण र.रु.४४,५३,०६,३२७ /-** (अक्षरी र.रु.चौरेचाळीस कोटी त्रेपन्न लाख सहा हजार तीनशे सत्तावीस मात्र) इतक्या रकमेपर्यंत काम करुन घेणेस व करार करण्यास नियमानुसार मंजुरी देणेत येत आहे.

(मदन हरिश्चंद्र)
प्र.नगरसचिव,
नाशिक महानगरपालिका, नाशिक

(मनिषा खत्री)
प्रशासक,
नाशिक महानगरपालिका, नाशिक

3A3

P-15



WIDENING PORTION

1) BC - 40 mm
2) DBM - 60 mm
3) BM - 55 mm
4) WMM - 250 mm
5) GSB - 200 mm

EXISTING PORTION

1) 40mm Bituminous Concrete (B. C)
2) 60mm DBM Layer
3) 55 BM Layer

NOTE :- ALL DIMENSIONS ARE IN MM

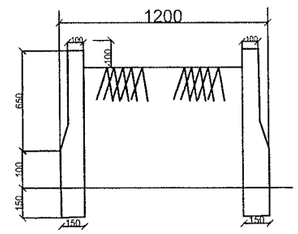
TCS 5 - FOR KM 0/000 TO 0/550

Milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki

JE/AE-I/Sect. Engineer,
Public Work Division West
Nashik Muncipal Corpoation,Nashik

Divisional Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

Executive Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik



ROAD MEDIAN CROSS SECTION

REMARK	NO	DATE	REMARK

CLIENT:

NASHIK MUNICIPAL CORPORATION
Office Address: Nashik Municipal Corporation Rajiv Gandhi Bhavan, 3rd Floor, Nashik, Sharanpur Road, Nashik 422005,Maharashtra

DPR CONSULTANT:

CIVILTECH INDIA PVT.LTD.
Plot No. B-45 , NICE Industrial Area, MIDC, Satpur NASHIK - 422007
CALL - (0253)3508900,(0253)2575282
MOB - 8600134999

PREPARED BY: LAUKIK A. JADHAV

CHECKED BY: MADHUMATI HERAKAL

APPROVED BY:

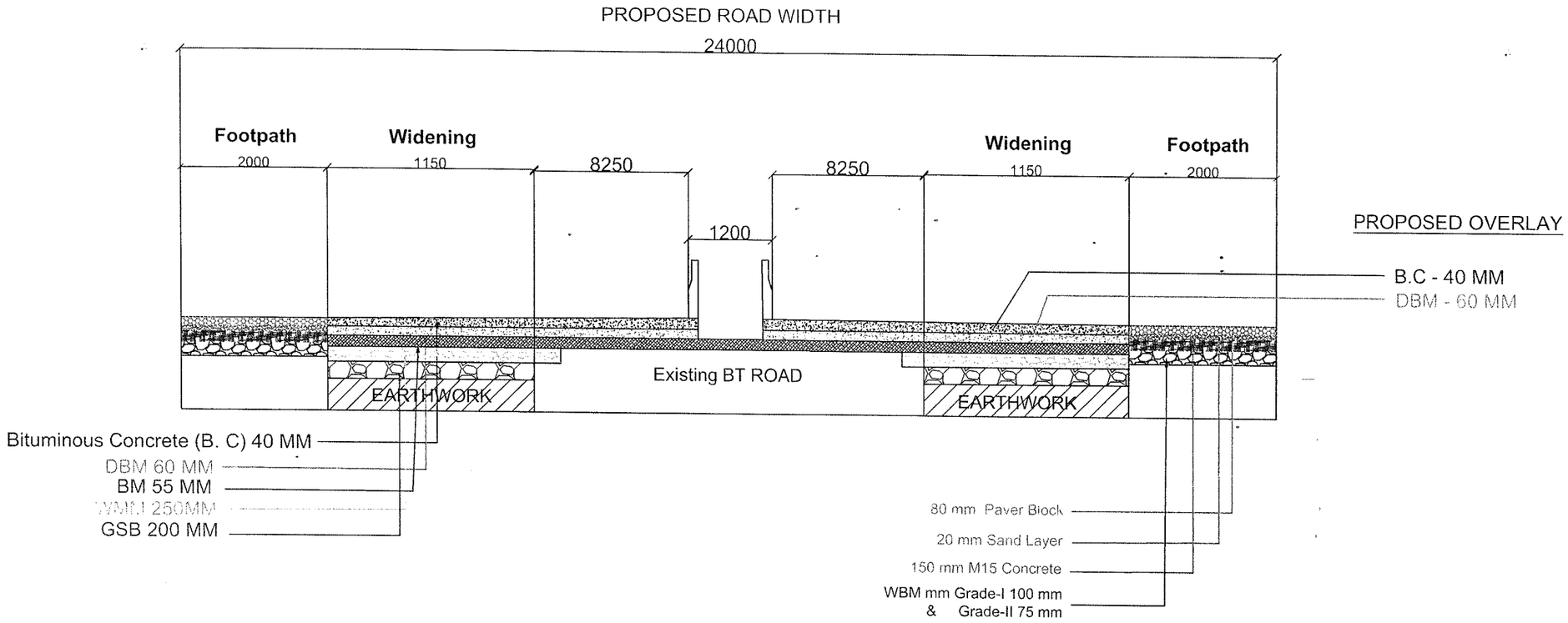
PROJECT NAME:
Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

TITLE: Milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki

TYPICAL CROSS SECTION

REVISION: R0

3A3



WIDENING PORTION

1) BC - 40 mm
2) DBM - 60 mm
3) BM - 55 mm
4) WMM - 250 mm
5) GSB - 200 mm

EXISTING PORTION

1) 40mm Bituminous Concrete (B. C)
2) 60mm DBM Layer
3) 55 BM Layer

NOTE :- ALL DIMENSIONS ARE IN MM

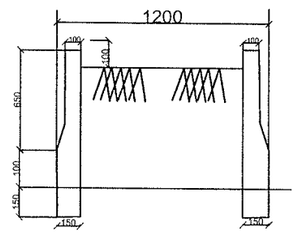
TCS 4 - FOR KM 2/630 TO 3/500

SSK hotel to mahamarg taxi stand-mumbai naka

JE/AE-I/Sect. Engineer,
Public Work Division West
Nashik Muncipal Corpoation,Nashik

Divisional Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

Executive Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik



ROAD MEDIAN CROSS SECTION

REMARK	NO	DATE	REMARK

CLIENT:
NASHIK MUNICIPAL CORPORATION
Office Address: Nashik Municipal Corporation
Rajiv Gandhi Bhavan, 3rd Floor, Nashik,
Sharanpur Road, Nashik 422005,Maharashtra

DPR CONSULTANT:
CIVILTECH INDIA PVT.LTD.
Plot No. B-45 , NICE Industrial Area, MIDC, Satpur
NASHIK - 422007
CALL - (0253)3508900,(0253)2575282
MOB - 8600134999

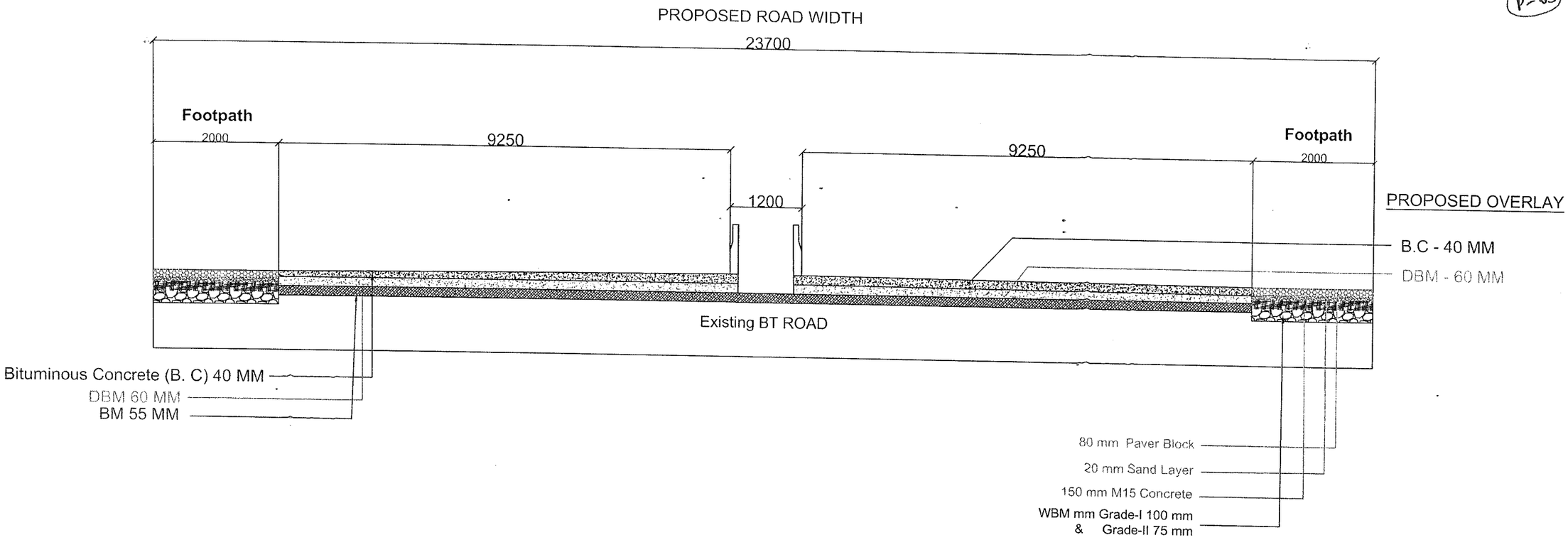
PREPARED BY: LAUKIK A. JADHAV
CHECKED BY: MADHUMATI HERAKAL
APPROVED BY:

PROJECT NAME:
Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

TITLE: SSK hotel to mahamarg taxi stand-mumbai naka
TYPICAL CROSS SECTION

REVISION
R0

3A3



EXISTING PORTION

1) 40mm Bituminous Concrete (B. C)
2) 60mm DBM Layer
3) 55 BM Layer

NOTE :- ALL DIMENSIONS ARE IN MM

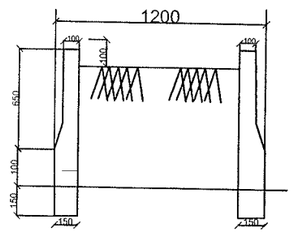
TCS 3 - FOR KM 2/420 TO 2/630

chandak circle to SSk hotel

JE/AE-I/Sect. Engineer,
Public Work Division West
Nashik Muncipal Corpoation,Nashik

Divisional Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

Executive Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik



ROAD MEDIAN CROSS SECTION

REMARK	NO	DATE	REMARK

CLIENT:
NASHIK MUNICIPAL CORPORATION
Office Address: Nashik Municipal Corporation
Rajiv Gandhi Bhavan, 3rd Floor, Nashik,
Sharanpur Road, Nashik 422005,Maharashtra

DPR CONSULTANT:
CIVILTECH INDIA PVT.LTD.
Plot No. B-45 , NICE Industrial Area, MIDC, Satpur
NASHIK - 422007
CALL - (0253)3508900,(0253)2575282
MOB - 8600134999

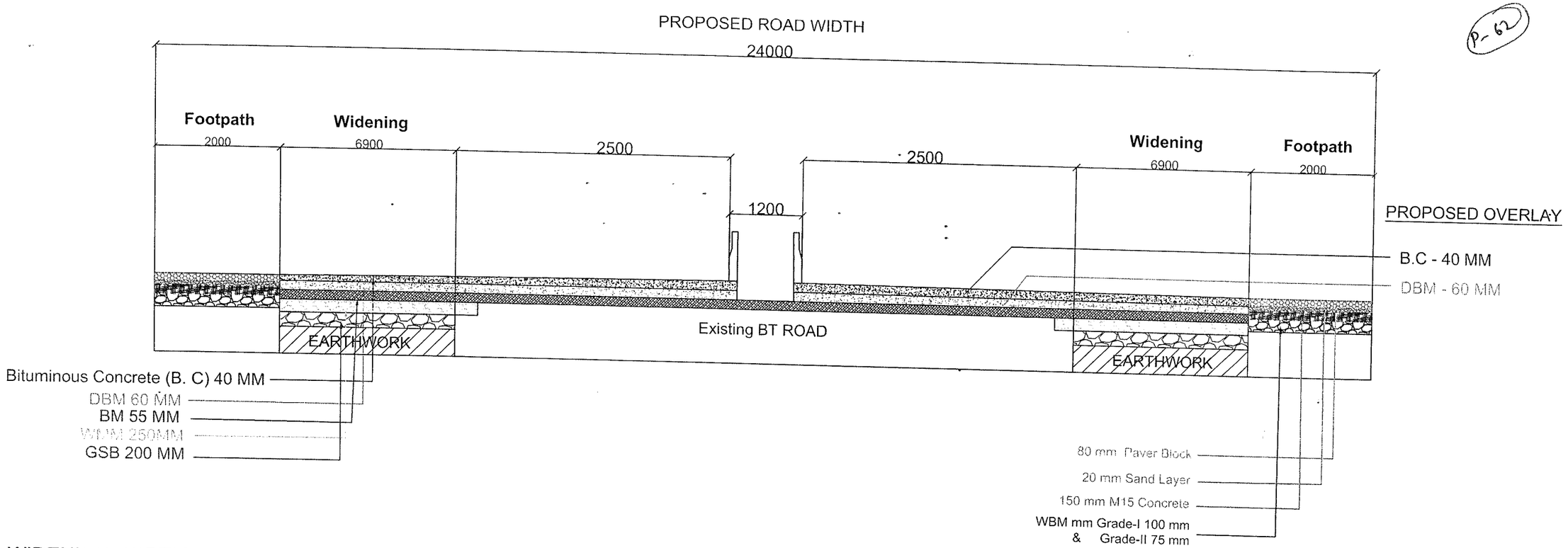
PREPARED BY: LAUKIK A. JADHAV
CHECKED BY: MADHUMATI HERAKAL
APPROVED BY:

PROJECT NAME:
Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

TITLE: chandak circle to SSk hotel
TYPICAL CROSS SECTION

REVISION
R0

3A3



WIDENING PORTION

1) BC - 40 mm
2) DBM - 60 mm
3) BM - 55 mm
4) WMM - 250 mm
5) GSB - 200 mm

EXISTING PORTION

1) 40mm Bituminous Concrete (B. C)
2) 60mm DBM Layer
3) 55 BM Layer

NOTE :- ALL DIMENSIONS ARE IN MM

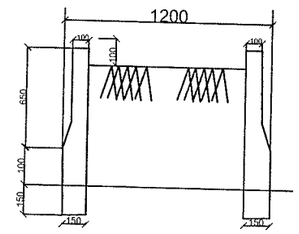
TCS 2 - FOR KM 1/810 TO 2/420

Mico circle to chandak circle

JE/AE-I/Sect. Engineer,
Public Work Division West
Nashik Muncipal Corpoation,Nashik

Divisional Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

Executive Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik



ROAD MEDIAN CROSS SECTION

REMARK	NO	DATE	REMARK

CLIENT:
NASHIK MUNICIPAL CORPORATION
Office Address: Nashik Municipal Corporation Rajiv Gandhi Bhavan, 3rd Floor, Nashik, Sharanpur Road, Nashik 422005,Maharashtra

DPR CONSULTANT:
CIVILTECH INDIA PVT.LTD.
Plot No. B-45 , NICE Industrial Area, MIDC, Satpur
NASHIK - 422007
CALL - (0253)3508900,(0253)2575282
MOB - 8600134999

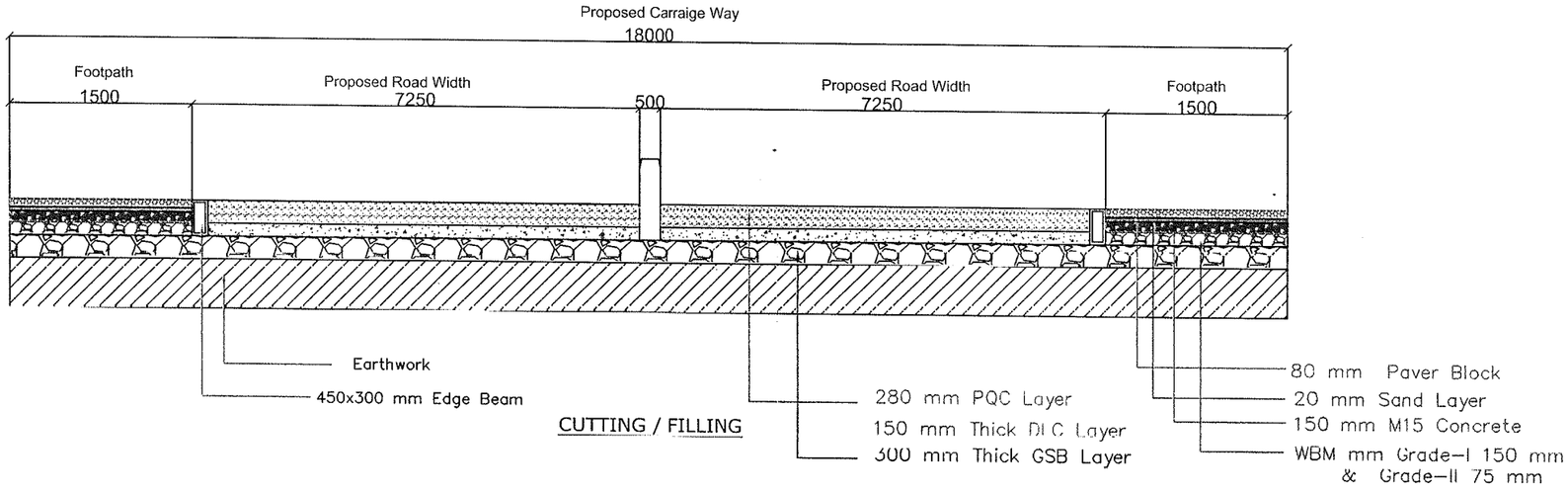
PREPARED BY: LAUKIK A. JADHAV
CHECKED BY: MADHUMATI HERAKAL
APPROVED BY:

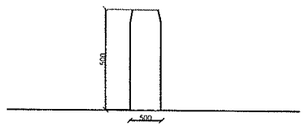
PROJECT NAME:
Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

TITLE: Mico circle to chandak circle
TYPICAL CROSS SECTION

REVISION: R0

3A3





ROAD MEDIAN CROSS SECTION

TCS 1 - FOR KM 0+150 TO 1+590

Juna gangapur naka to sharanpur police chowki signal

JE/AE-I/Sect. Engineer,
Public Work Division West
Nashik Muncipal Corpoation,Nashik

Divisional Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

Executive Engineer,
Public Work Division West
Nashik Muncipal Corporation,Nashik

TCS
(Applicable For Ch-0+150 to 1+590)

KEY DETAILS OF ROAD	
ROAD TYPE	PQC
CHAINAGE	0+150 TO 1+590
LENGTH	1440 M
EXISTING CW	14.20 M
PROPOSED WT/PQC	14.50 M
EXISTING TYPE	BT ROAD
PROPOSED TYPE	PQC

PROPOSED CRUST DETAILS	
WT / PQC	280 MM
DLC	150 MM
GSB	300 MM

REMARK	NO	DATE	REMARK

CLIENT:
C:\Users\asus\Downloads\NMC LOGO.jpeg
NASHIK MUNICIPAL CORPORATION
Office Address: Nashik Municipal Corporation
Rajiv Gandhi Bhavan, 3rd Floor, Nashik,
Sharanpur Road, Nashik 422005,Maharashtra

DPR CONSULTANT:
CIVILTECH INDIA PVT.LTD.
Plot No. B-45 , NICE Industrial Area, MIDC, Satpur
NASHIK - 422007
CALL - (0253)3508900,(0253)2575282
MOB - 8600134999

PREPARED BY: LAUKIK A. JADHAV
CHECKED BY: MADHUMATI HERAKAL
APPROVED BY:

PROJECT NAME:
Improvement of inner ring road from K.T.H.M Bridge to sharanpur police chowki & from BOSCH circle to chandak circle to mahamarg bus stand

TITLE: Juna gangapur naka to sharanpur police chowki signal
TYPICAL CROSS SECTION

REVISION: R0

Area Statement

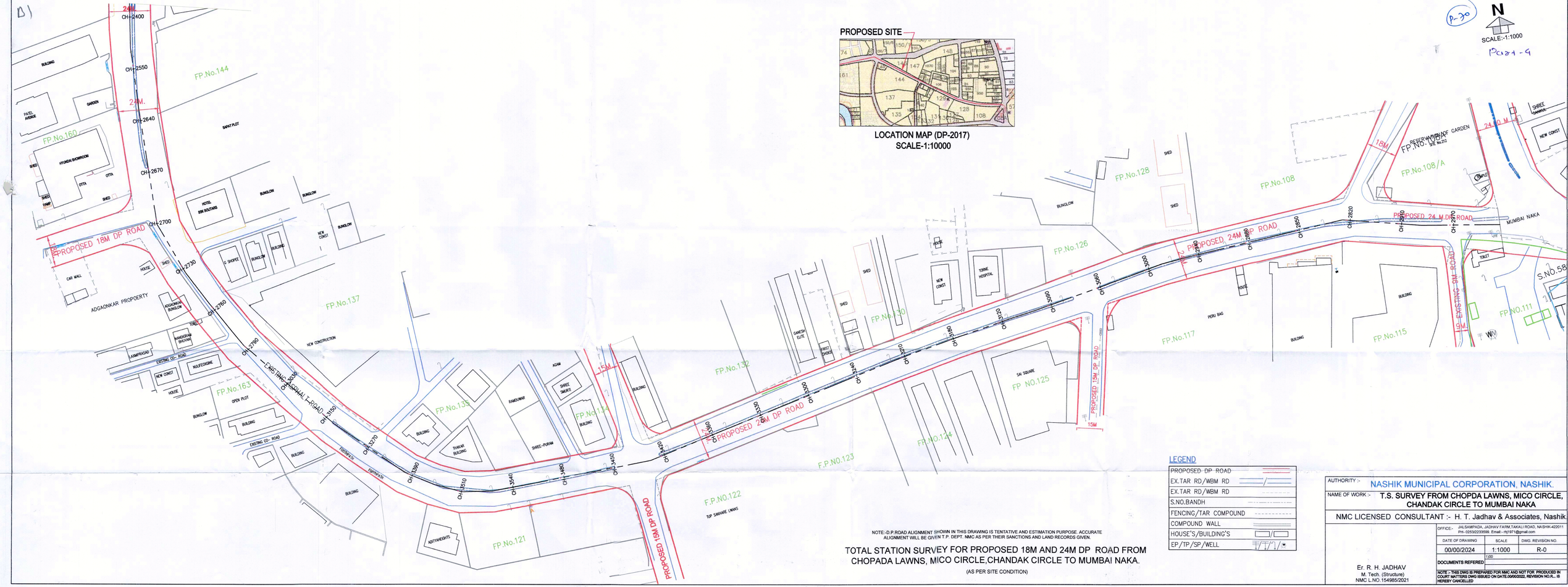
Name of Work:- Development of road from, KTHM College Bridge to Old Gangapur Naka to Sharanpur Police Chowki, Bosh (Mico) circle to Chandak circle to Mahamarg Bus Stand (ghat approach/parking connection)

Road No.	Sr. No.	Name of colony / Area road	Chainage		Length (L) in M	Width As Per DP in M	Area in Sqm	Ext. Asphalt road Width			Ext. Asphalt Area (M2)	Proposed road width				Proposed road area		Widening		Divider		Divider Area	Pavered foothpath				Strom water line	
			From	To				W1	W2	Wavg		Widening road width	Asphalt Road width	PQC width	New PQC AREA	White Toping Area	Area Asphalting	For Widening Width	Total Widening Area	width	length		Width	Nos.	Length	Total Paverblock area for both side	No.	Length
	1	Chopda Lawns To juna gangapur naka (concrete)	0	150	150.00	18.00	2700	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	0	0	0.00	0.00	0.00	0	0.00	0		
	2	juna gangapur naka to canada corner	150	630	480.00	18.00	8640	13.75	16.25	15.00	7200.00	0.00		14.50	6960.00	0	0.00		0	0.5	480.00	240.00	3.00	1	480.00	1440	1	480.00
	3	canada corner to HDFC chowk	630	1230	600.00	18.00	10800	14.50	13.50	14.00	8400.00	0.50		14.50	8700.00	0	0.00			0.5	600.00	300.00	3.00	1	600.00	1800	1	600.00
	4	HDFC chowk to sharanpur police chowki signal	1230	1590	360.00	18.00	6480	13.50	13.70	13.60	4896.00	0.90		14.50	5220.00	0	0.00			0.5	360.00	180.00	3.00	1	360.00	1080	1	360.00
	5	MSEB Office To Trimbak Road	0	280	280.00	12.00	3360	5.00	5.00	5.00	1400.00	0.00	5.00	0.00	0.00	0	1400.00	0.00		0	0.00	0.00	0.00	0	0.00		0	0.00
	5	Sharanpur Police chowki signal to mico circle (overlap Length)	1590	1810	220.00	45.00	9900	0.00	0.00	0.00	0.00	45.00	45.00			0	0.00	0.00	0	0	220.00	0.00	0.00	0	0.00	0		0.00
18	6	mico circle to chandak circle	1810	2420	610.00	24.00	14640	6.00	4.00	5.00	3050.00	13.80	18.80			0	11468.00	13.80	8418	1.2	610.00	732.00	4.00	1	610.00	2440	1	610.00
	7	chandak circle to SSk hotel	2420	2630	210.00	24.40	5124	20.00	17.00	18.50	3885.00	0.00	18.80			0	3948.00	0.00	0	1.2	210.00	252.00	4.00	1	210.00	840	1	210.00
	8	SSK hotel to mahamarg taxi stand-mumbai naka	2630	3500	870.00	24.40	21228	16.00	17.00	16.50	14355.00	2.30	18.80			0	16356.00	2.30	2001	1.2	870.00	1044.00	4.00	1	870.00	3480	1	870.00
	9	milind nagar canal road to dakshin mukhi hanuman temple to sharanpur police chowki	0	550	550.00	24.00	13200	12.00	12.00	12.00	6600.00	6.80	18.80			0	10340.00	6.80	3740	1.2	550.00	660.00	4.00	1	550.00	2200	1	550.00
		Total			**3960.00**		**96072.00**				**49786.00**	**-**	**-**	**-**	**20880.00**	**0.00**	**43512.00**	**-**	**14159.00**		**3900.00**	**3408.00**	**25.00**	**-**	**3680.00**	**13280.00**	**-**	**3680.00**
	11%	for 11% fanning & Approaches Area			435.60	-	10567.92	-	-	-	5476.46	-	-	-	2296.80	0.00	4786.32		1557.49		429.00	374.88	2.75	-	404.80	1460.80	-	404.80
		Total			**4395.60**		**106639.92**	-	-	-	**55262.46**	**-**	**-**	**-**	**23176.80**	**0.00**	**48298.32**	**Sqm**	**15716.49**		**4329.00**	**3782.88**	**27.75**	**-**	**4084.80**	**14740.80**	**-**	**4084.80**

JE/AE-I/Sect. Engineer
PWD West, NMC Nashik.

Deputy Engineer
PWD West, NMC Nashik.

Executive Engineer
PWD West, NMC Nashik



NOTE:-D.P.ROAD ALIGNMENT SHOWN IN THIS DRAWING IS TENTATIVE AND ESTIMATION PURPOSE. ACCURATE ALIGNMENT WILL BE GIVEN T.P. DEPT. NMC AS PER THEIR SANCTIONS AND LAND RECORDS GIVEN.

TOTAL STATION SURVEY FOR PROPOSED 18M AND 24M DP ROAD FROM CHOPADA LAWNS, MICO CIRCLE,CHANDAK CIRCLE TO MUMBAI NAKA.

(AS PER SITE CONDITION)

LEGEND

PROPOSED DP ROAD	
EX.TAR RD/WBM RD	
EX.TAR RD/WBM RD	
S.NO.BANDH	
FENCING/TAR COMPOUND	
COMPOUND WALL	
HOUSE'S/BUILDING'S	
EP/TP/SP/WELL	

AUTHORITY :- NASHIK MUNICIPAL CORPORATION, NASHIK.

NAME OF WORK :- T.S. SURVEY FROM CHOPDA LAWNS, MICO CIRCLE, CHANDAK CIRCLE TO MUMBAI NAKA

NMC LICENSED CONSULTANT :- H. T. Jadhav & Associates, Nashik

Er. R. H. JADHAV
M. Tech. (Structure)
NMC L.NO.154985/2021

OFFICE:- JALSAMPADA, JADHAV FARM,TAKALI ROAD, NASHIK-422011
PH- 0253/2233599. Email - rhj1971@gmail.com

DATE OF DRAWING	SCALE	DWG. REVISION NO.
00/00/2024	1:1000	R-0

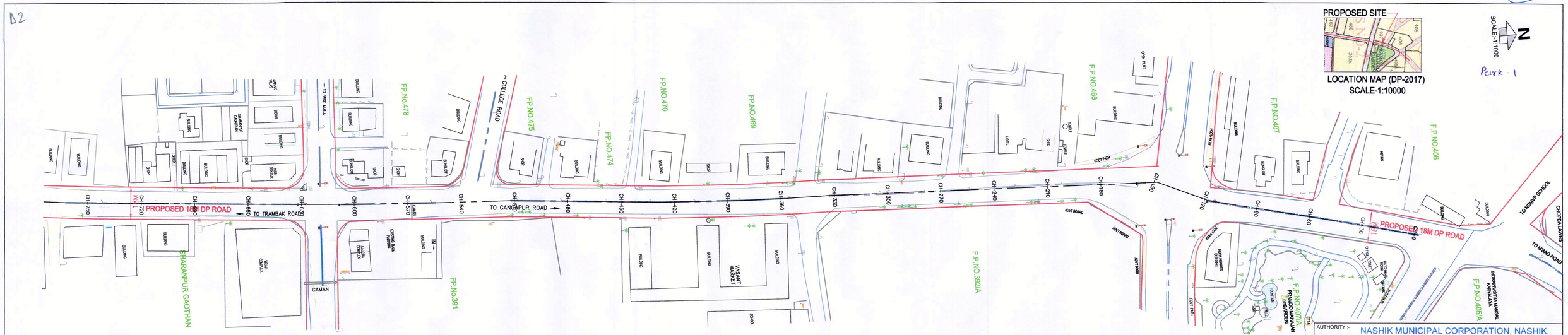
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D2

P-66

Park - 1



PROPOSED SITE

LOCATION MAP (DP-2017)
SCALE-1:10000

SCALE-1:1000

N

LEGEND

PROPOSED DP ROAD	
EX.TAR RD/WBM RD	
S.NO.BANDH	
FENCING/TAR COMPOUND	
COMPOUND WALL	
HOUSE'S/BUILDING'S	
EP/TP/SP/WELL	

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TOTAL STATION SURVEY FOR PROPOSED 18M AND 24M DP ROAD FROM CHOPADA LAWNS, MICO CIRCLE,CHANDAK CIRCLE TO MUMBAI NAKA.

(AS PER SITE CONDITION)

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NMC LICENSED CONSULTANT :- H. T. Jadhav & Associates, Nashik.

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PH:-0253/2233599, Email:- rhj1971@gmail.com

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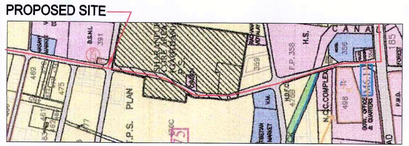
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P-67

SHARANPUR GAOTHAN

PROPOSED SITE



LOCATION MAP (DP-2017)
SCALE-1:10000

N

SCALE-1:1000

PART-2

PROPOSED 18M DP ROAD

PROPOSED 18M DP ROAD

TO SHARANPUR ROAD

SHARANPUR ROAD POLICE STATION

NASIK PANCHVATI SMC

CH-720
CH-750
CH-780
CH-810
CH-840
CH-870
CH-900
CH-930
CH-960
CH-990
CH-1020
CH-1050
CH-1080
CH-1110
CH-1140
CH-1170
CH-1200
CH-1230
CH-1260
CH-1290
CH-1320
CH-1350
CH-1380
CH-1410
CH-1440
CH-1470
CH-1500
CH-1530
CH-1560
CH-1590
CH-1620
CH-1650
CH-1680
CH-1710
CH-1740
CH-1770
CH-1800
CH-1830
CH-1860

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TOTAL STATION SURVEY FOR PROPOSED 18M AND 24M DP ROAD FROM CHOPADA LAWNS, MICO CIRCLE,CHANDAK CIRCLE TO MUMBAI NAKA.

(AS PER SITE CONDITION)

LEGEND

PROPOSED DP ROAD	
EX.TAR RD/WBM RD	
S.NO.BANDH	
FENCING/TAR COMPOUND	
COMPOUND WALL	
HOUSE'S/BUILDING'S	
EP/TP/SP/WELL	

AUTHORITY :- NASHIK MUNICIPAL CORPORATION, NASHIK.

NAME OF WORK :- T.S. SURVEY FROM CHOPDA LAWNS, MICO CIRCLE, CHANDAK CIRCLE TO MUMBAI NAKA

NMC LICENSED CONSULTANT :- H. T. Jadhav & Associates, Nashik.

OFFICE:- JALSAMPADA, JADHAV FARM,TAKALI ROAD, NASHIK-422011.
PH:- 0253/2233599. Email :- rhj1971@gmail.com

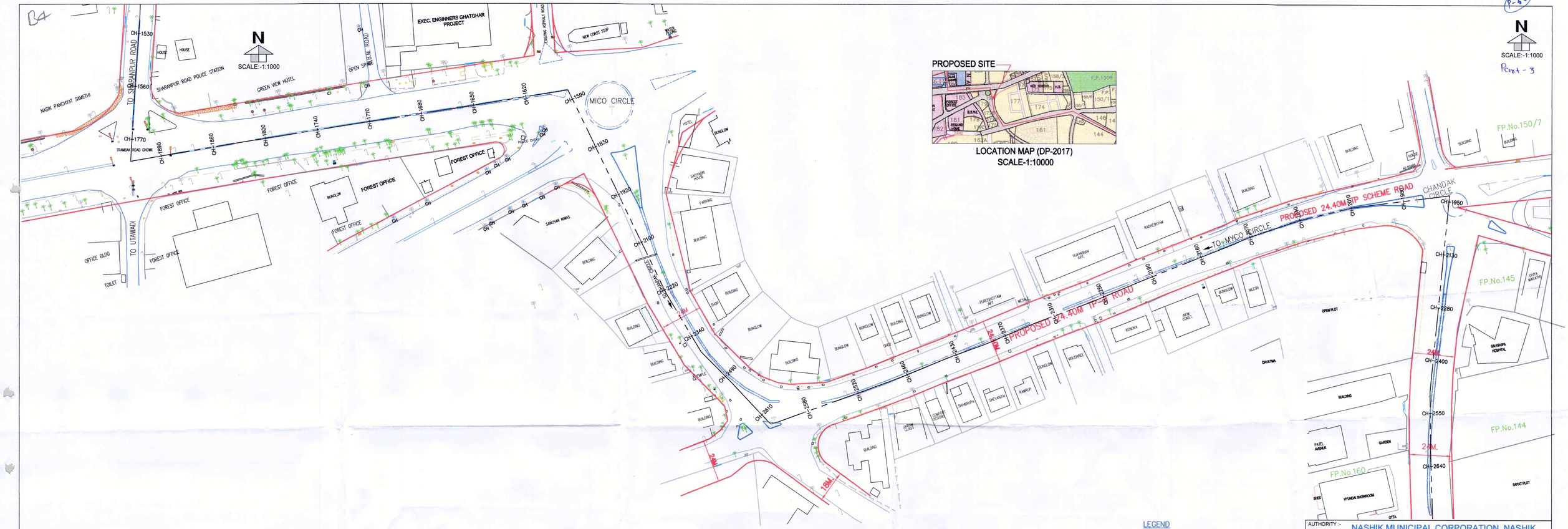
DATE OF DRAWING	SCALE	DWG. REVISION NO.
00/00/2024	1:1000	R-0

DOCUMENTS REFERED

1:100

Er. R. H. JADHAV
M. Tech. (Structure)
NMC L.NO.154985/2021

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PROPOSED SITE

LOCATION MAP (DP-2017)
SCALE-1:10000

P-58

Page - 3

NOTE:-D.P.ROAD ALIGNMENT SHOWN IN THIS DRAWING IS TENTATIVE AND ESTIMATION PURPOSE. ACCURATE ALIGNMENT WILL BE GIVEN T.P. DEPT. NMC AS PER THEIR SANCTIONS AND LAND RECORDS GIVEN.

TOTAL STATION SURVEY FOR PROPOSED 18M AND 24M DP ROAD FROM CHOPADA LAWNS, MICO CIRCLE,CHANDAK CIRCLE TO MUMBAI NAKA.

(AS PER SITE CONDITION)

LEGEND

PROPOSED DP ROAD	
EX.TAR RD./WBM RD	
EX.TAR RD./WBM RD	
S.NO.BANDH	
FENCING/TAR COMPOUND	
COMPOUND WALL	
HOUSE'S/BUILDING'S	
EP/TP/SP/WELL	

AUTHORITY :- NASHIK MUNICIPAL CORPORATION, NASHIK.

NAME OF WORK :- T.S. SURVEY FROM CHOPDA LAWNS, MICO CIRCLE, CHANDAK CIRCLE TO MUMBAI NAKA

NMC LICENSED CONSULTANT :- H. T. Jadhav & Associates, Nashik.

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NMC L.NO.154985/2021

OFFICE:- JAI,SAMPADA, JADHAV FARM,TAKALI ROAD, NASHIK-422011
PH- 0253/2233599. Email - rhj1971@gmail.com

DATE OF DRAWING	SCALE	DWG. REVISION NO.
00/00/2024	1:1000	R-0
DOCUMENTS REFERED	1000	

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