

नाशिक महानगरपालिका, नाशिक.
पाणी पुरवठा यांत्रिकी विभाग

ई-कोटेशन नोटीस क्र. 8/ 2023-24

कामाचे नाव :- अशुद्ध व शुद्ध पिण्याच्या पाण्याची जैविक तपासणी किटचे प्रायोगिक तत्वावर ट्रायल
घेतल्याने आवश्यकतेनुसार खरेदी करणेबाबत.
कामाचा आदेश :- मा. आयुक्त सो. यांचेकडील मान्यता दि. 07/12/2023

1. कामाची मुदत :- 30 दिवस

2. कोटेशन फॉर्म मिळण्याचे ठिकाण :- कार्यकारी अभियंता (यां)

राजीव गांधी भवन, मनपा, नाशिक.

3. काम करणेचे ठिकाण :- विषयांकित

4. कोटेशन जमा करण्याची अंतिम तारीख :- दि. 01/01/2023 ते दि. 08/01/2023

5. कोटेशन जमा करण्याचे ठिकाण :- कार्यकारी अभियंता (यां)

राजीव गांधी भवन, मनपा, नाशिक.

XXX

कार्यकारी अभियंता (यां)

मनपा नाशिक.

**NASHIK MUNICIPAL CORPORATION
WATER SUPPLY DEPARTMENT (MECH)
QUOTATION FORM**

Ref :- E-quotation No. :- 08 /2023-24

Abstract

Sr. No	Item& Description	Qty	Per	Rate	Amount in Rs
1.	Bactaslyde Water Testing Kit:- A) Total Bacterial count • Bacterial density • Total Bacterial count per ML B) Escherichia coli count	105	No	1,500	1,57,500.00
				Add GST @ 18 %	28,350.00
				Total Rs	1,85,850.00

I/We hereby agree to execute the above work at _____ % (in words
_____ percent)
below/above the estimated rates.

**Signature of Contractor
With Stamp**

**Executive Engineer
Nashik Municipal Corporation**

TECHNICAL SPECIFICATION

➤ After 18 hrs. take out the slide and match it with density chart given in the box.

a) **TOTAL BACTERIAL COUNT**

- Almost all species of aerobic bacteria will grow on this BACTASLYDE.
- Almost all the colonies would be red in color.
- If there are any colorless colonies, they should also be accounted.

BACTERIAL DENSITY

- Less than 10² :- Less than 100
- 10² : 100-999
- 10³ : 1,000- 9,999
- 10⁴ : 10,000- 99,999
- 10⁵ : 1,00,000- 9,99,999
- 10⁶ : 10,00,000- 99,99,999
- 10⁷ : 1,00,00,000- 9,99,99,999
- Even on colony (spot means 10²).
- No colony (spot) means less than 10².
- Total Bacterial Count/ml.

b) **ESCHERICHIA COLI COUNT**

- On this BACTASLYDE media colonies of E. coli would be yellow in color.
- Since E. coli is the indicator of faecal contamination even a 10² count is alarming as all standards for Drinking water, both National and International for this organism are "Zero"
- The violet shade of the E. coli media may vary from Dark Violet to Light Violet.
- Even one colony (spot) means 10
- No colony (spot) means less than 10
- Escherichia coli (E.coli) / ml.

RANGE OF TESTING DEVICES

TYPE	INDUSTRIES	DISEASES/INFECTION
E. coli + TBC	Drinking Water & Waste Water Treatment.	Diarrhea, vomiting, Stomach pain, UTI
Yeast & Fungi + TBC	Food, Soft Drink & Ice-cream, Dairy, Breweries, Pharma, Hospitals, Paper & pulp, Paint & Pigment, Metal working Fluids.	Aspergillosis, Candidiasis
Pseudomonas + TBC	Food, Soft Drink and Ice-cream, Pharma, Dairy, Paper & Pulp, Paint & Pigment, Cooling Tower Water, Metal Working Fluids.	Septicemia, Meningitis, Endocarditis, Pneumonia.
Sulphate Reducing Bacteria	Paper & Pulp, Cooling Tower Water, Metal Working Fluids.	Intestinal diseases, Ulcerative colitis.
Iron Bacteria	Cooling Waters, Open Ponds, Water Outfalls from Pipelines, Metal Working Fluids.	Clogging water pipelines (no harmful effect on human health)
Salmonella	Food, Eggs, Egg Powder, Spices, Fisheries, Hospitals.	Typhoid fever, Paratyphoid fever
Staphylococcus aureus	Food, Milk, Products, Fresh Fish, Meat, Sauces, Canned Foods, Hospitals.	Skin infection, Abscesses, Furuncles
Vibrio	Food, Fisheries, Processed Fish viz. Cooked deep frozen Prawns & Shrimps.	Chelera.