

Annexure 20a
Details of water releases for
Ekalahara Thermal Power Plant

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To
The Director,
National Environmental Engineering Reserch Institute
89-B Mumbai Zonal Lab, Worli, Mumbai, Maharashtra 400018

Subject-PIL-176/2012

Regarding Godavari River Pollution - Meeting at Nashik to discuss an issue of
maintaining the Environmental Flow in River Godavari

Ref.----- Email Recieved 03-06-2014

As the PIL-176/2012 regarding Godavari River Pollution - Meeting at Nashik to discuss an issue
of maintaining the Environmental Flow in River Godavari is raised .

For this issue meeting was held on 16-04-2014 in NMC,Nashik Commissionarate .Nashik .with
the discussion on deciding the e -flow in the river to maintain ecological balance.For this some percentage
of water shall be released in river course to maintain ecological flow.

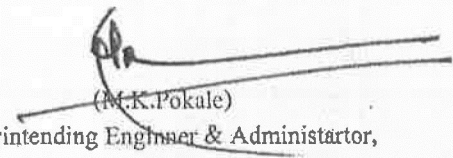
The water planning of Gangapur Dam & water releases over the last five years (2008-09 to 2013-
14)data sheet is enclosed herewith . During planning of Gangapur,the concept of e-flow was absent at
that time.Hence,it would not be possible to release the flow from the reservoir .

We hereby requesting you to decide the quantity of water for e-flow(Design aspect of e flow).
Accordingly this office would be in position to submit proposal to Govt for approval

Therefore ,please communicate the quantum of e flow & frequency (period) over the year on for
priority .

Thanking You

enclosed-Data


(M.K.Pokale)
Superintending Engineer & Administartor,
Command Area Development Authority ,Nashik

Copy Submitted to Divisional Commissioner,Revenue, Nashik Road for information please

Copy Submitted to Chief Engineer,Water Resources Department ,North Maharashtra Region ,Nashik for
information please

Copy Submitted to Commissioner,Nashik Municipal Corporation, Nashik for information. please

Copy Submitted to Collector,Nashik Nashik Road for information please .

Water Planning as per Project Report)
Abstract of Quantity of Gangapur Project

1.] Yield at Gangapur

1.	50% Available Yield	59.6+54.68+284.58	398.86Mcum
2	Post monsoon Flow	19.64	19.64Mcum
		Total	418.80Mcum

2]Gross Annual Utilization

1	Gross Annual Utilization	52.60+54.68+310.16	417.44 Mcum
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3] Utilization

1	Irrigation	47.42+49.22+289.52	386.16 Mcum
2	Non Irrigation	2.83 for Gangapur	2.83 Mcum
3	Evaporation	5.27+5.46+17.81	28.54Mcum
		Total	417.53

1.] Water Planning for Kashypi Project.

- (i)50% dependable Yield -----2105 MCFT(59.60Mcum)
- (ii)Gross Annual Utilisation -----1861 MCFT(52.60Mcum)
- (iii)Irrigable Command Area ----- 5817 Ha.
- (iv) Aim of project----- Stabilizing the irrigation of 5817 Ha.
(cropped area =7969)under existing Gangapur Canal System)

Details of Utilization

- (i)Evaporation (10 Percent)-----5.27 Mcum
- (ii)Irrigation -----47.42 Mcum
- Total ----- 52.69 Mcum

2.] Water Planning for Goutami Godavari Project.

- (i)50% dependable Yield -----1931.02 MCFT(54.68 Mcum)
- (ii)Gross Annual Utilisation -----1931.02 MCFT(54.68 Mcum)
- (Note-50%dependable yield is 52.90Mcum considering 5% post monsoon flow .The total yield worked out is 54.68 Mcum)
- (iii)Irrigable Command Area ----- 6851 Ha.
- (iv) Aim of project----- Re establishment of irrigation under Godavari Canals
(cropped area =7969)under existing Gangapur Canal System)

Details of Utilization

- (i)Evaporation (10 Percent)-----5.46 Mcum
- (ii)Irrigation -----49.22 Mcum
- Total ----- 54.68 Mcum

3.] Water Planning for Gangapur Project.

- (i)75% dependable Yield -----7588 MCFT(217.87 Mcum)
- (ii)Utilisation of water -for irrigation

	Nashik Right Bank Canal And Nashik Right Bank Canal	Godavari Canals	Total
a] Kharif	48.68 Mcum	40 Mcum	
b]Rabbí	77.76 Mcum	54.86 Mcum	
c]Hot Weather	61.36 Mcum	6.86 Mcum	
Total	187.80 Mcum	102.72Mcum	289.52Mcum
Evaporation Lossess	17.81		17.81
		Total	307.33Mcum
Non Irrigation Use			2.83 Mcum
		Total	310.16 Mcum
			(10953 Mcti)

गंगापूर धरणातून गोदावरी नदीत सोडलेल्या पाण्याचा तपशील

अ.क्र.	वर्ष	कालावधी		सांडलेला विसर्ग		शेरा
		पासून	पर्यंत	इं.क्यु.से.स	द.ल.घ.फु.	
	2008-09					
1		11/8/2008	11/10/2008	78572	6791	सांडवा प्रवाह
2		16/01/2009	24/12/2008	11038	954	
3		16/01/2009	16/02/2009	15400	1331	
4		22/02/2009	23/02/2009	110	10	
5		28/02/2009	10/3/2009	1801	156	
6		2/4/2009	5/4/2009	160	14	
7		10/4/2009	30/04/2009	5675	590	
8		1/5/2009	5/5/2009	236	20	एकलहरा
9		16/05/2009	5/6/2009	1665	144	
10		28/06/2009	30/06/2009	300	26	
			एकुण	114957	10036	
1	2009-10	3/9/2009	3/9/2009	100	9	
2		26/2/2010	6/3/2010	2484	215	
3		8/4/2010	17/4/2010	2925	253	
4		14/5/2010	15/5/2010	38	3	
5		19/5/2010	7/6/2010	6720	581	
			एकुण	12267	1061	
1	2010-11	22/7/2010	23/07/2010	107	9	
2		12/8/2010	17/08/2010	720	62	
3		5/9/2010	10/9/2010	7409	640	सांडवा प्रवाह
4		29/9/2010	30/09/2010	581	50	सांडवा प्रवाह
5		15/10/2010	15/10/2010	25	2	
6		12/1/2011	3/2/2011	2454	212	गोदावरी कालवे
7		22/2/2011	25/2/2011	1146	99	गोदावरी कालवे
8		5/4/2011	29/04/2011	11857	1025	गोदावरी कालवे
9		1/5/2011	1/5/2011	25	2	
10		11/5/2011	5/6/2011	12408	1072	गोदावरी कालवे
11		10/6/2011	20/06/2011	4938	427	गोदावरी कालवे
			एकुण	41670	3600	
1	2011-12	4/7/2011	4/7/2011	145	13	सातपूर एम.आय.डी.सी.
2		16/08/2011	19/08/2011	1730	150	ए.कलहरा
3		28/8/2011	10/9/2011	14773	1277	
4		21/11/2011	22/12/2011	12363	1069	

5		9/1/2012	13/01/2012	1466	127	एकलहरा
6		21/1/2012	25/02/2012	15491	1339	गोदावरी कालवे
7		4/5/2012	24/05/2012	2865	248	गोदावरी कालवे
8		6/6/2012	7/6/2012	167	15	आनंदवल्ली बंधारा
9		19/06/2012	19/06/2012	116	10	सातपूर एम.आय.डी.सी.
10		28/06/2012	28/06/2012	83	7	आनंदवल्ली बंधारा
			एकुण	49199	4255	
1	2012-13	15/07/2012	15/07/2012	100	9	
2		28/9/2012	29/09/2012	130	11	
3		22/11/2012	23/11/2012	350	30	एकलहरा
4		21/12/2012	22/12/2012	350	30	एकलहरा
5		25/12/2012	26/12/2012	200	17	एकलहरा
6		31/12/2012	2/1/2013	925	80	एकलहरा
7		7/1/2013	19/01/2013	3646	315	गोदावरी कालवे
8		30/03/2013	31/03/2013	466	40	
9		3/4/2013	7/4/2013	1021	88	
10		1/5/2013	5/5/2013	925	80	एकलहरा
11		6/5/2013	15/05/2013	3412	295	गोदावरी कालवे
12		24/05/2013	26/05/2013	646	56	एकलहरा
			एकुण	12171	1051	
1	2013-14	29/7/2013	4/8/2013	17506	1513	सांडवा प्रवाह
2		14/08/2013	20/08/2013	5629	487	सांडवा प्रवाह
3		24/09/2013	27/09/2013	6106	528	सांडवा प्रवाह
4		15/10/2013	16/10/2013	2048	177	सांडवा प्रवाह
5		11/1/2014	13/01/2014	650	56	एकलहरा
6		14/01/2014	15/01/2014	238	21	एकलहरा
7		7/4/2014	8/4/2014	624	54	एकलहरा
8		9/4/2014	15/04/2014	5448	417	गोदावरी कालवे आचरान चालू
			एकुण	38249	3253	