



**Maharashtra Water Resources
Regulatory Authority
(MWRRA)**

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

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File No: MWRRA/2008/VIDC/PRCL/AMRT 4-LMI/1797

Date : 23/12/2008

**Conditional Clearance to 4 - L.M.I.
Tanks under Vidarbha Irrigation
Development Corporation, Nagpur,
by MWRRA under Sec.11 (f) of Act.**

- Ref : १) मु.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४७०/प्र.अ./
टाकळी कलान बृ/२००८ दिनांक २५/११/२००८.
२) मु.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४८३/प्र.अ./
सामदा (सौदाळी) बृ/२००८ दिनांक २५/११/२००८
३) मु.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४६३०/प्र.अ./
राजुरा बृ. ल.पा/२००८ दिनांक ०३/१२/२००८
४) मु.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४७०/प्र.अ./
वाघाडी बॅरेज बृ. ल.पा/२००८ दिनांक ०३/१२/२००८

AUTHORITY MEMORANDUM

1.00 Section 11 (f) of the MWRRA Act (Act No.XVIII of 2005) reads as below:

“To review and clear water resources projects proposed at the sub-basin and river basin level to ensure that a proposal is in conformity with Integrated State Water Plan and also with regard to the economic, hydrologic and environmental viability and where relevant, on the State's obligations under Tribunals, Agreements, or Decrees involving interstate Entitlements:

Provided that, while clearing the new water resources projects by the concerned for construction proposed by River Basin Agencies, the Authority shall ensure that Governor's Directives issued from time to time, relating to investment priority for removal of regional imbalance are strictly observed;

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Provided further that, in respect of the projects situated in Marathwada and Vidarbha Regions, the powers to accord administrative approval or revised administrative approval, under this clause, shall in accordance with the Governor's directives, be exercised by the concerned River Basin Agency".

- 2.00 The Projects at Sr. No. (a) to (d) in Tapi basin in Amravati Division were received for clearance by MWRRA under above mentioned Section of the Act, vide above Reference.
- (a) Takali Kalan L.M.I. Tank, Taluka Bhatukali, District Amravati
 - (b) Samda (Saundadi) L.M.I. Tank, Taluka Daryapur, District Amravati
 - (c) Rajura L.M.I. Tank, Taluka Chandur Bazar, District Amravati
 - (d) Waghadi Barrage, Taluka Daryapur, District Amravati
- 3.00 (i) Takali Kalan L.M.I. Tank and Rajura L.M.I. Tank have been cleared by C.E. (S.P.) Amravati for water availability based on his letter dated 25/09/2008 which is in turn based on the C.E. (H.P.) study on water availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. These Projects are coming in sub catchment 'A' & Takali Kalan L.M.I. Tank is in catchment of Lower Pedhi and Rajura L.M.I. Tank is in catchment of Pedhi Barrage. The total water available for utilisation from sub catchment 'A' at 75% dependability is 294.32 Mm³; at 50% dependability is 359.09 Mm³ & annual average is 406.81 Mm³. For the future projects, 131.21 Mm³ water will be utilised & thus total water utilisation in sub catchment 'A' is 347.00 Mm³ & its dependability reduced to 56 %. This project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%
- (ii) Samda (Saundadi) L.M.I. Tank has been cleared by C.E. (S.P.) Amravati for water availability based on his letter dated 25/09/2008 which is in turn based on the C.E. (H.P.) study on water Availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. This Project is coming in sub catchment 'F' & in the catchment of Proposed Purna Barrage - 2 (Ner Dhamana). The total water available for utilisation from sub catchment 'F' at 75% dependability is 134.43 Mm³; at 50% dependability is 213.94 Mm³ & annual average is 213.02 Mm³. For the future projects, 85.87 Mm³ water will be utilised & thus

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total water utilisation in sub catchment 'F' is 202.13 Mm³ & its dependability reduced to 52 %. This project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%

- (iii) Waghadi Barrage has been cleared by C.E. (S.P.) Amravati for water availability based on his letter dated 25/09/2008 which is in turn based on the C.E. (H.P.) study on water Availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. This project is in the sub catchment 'C' & in the catchment of Completed Katepurna Project (Major). The total water available for utilisation from sub catchment 'E' at 75% dependability is 273.92 Mm³; at 50% dependability is 325.93 Mm³ & annual average is 348.88 Mm³. For the future projects, 62.68 Mm³ water will be utilised & thus total water utilisation in sub catchment 'E' is 273.92 Mm³ which is equal to 75% dependable flow. But this project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59% also dependability of Katepurna Project is reduced from 75% to 58.11%.
- (iv) The BC ratio is more than 1 for Project at Sr. No. (a) & vide WRD, GR dated 03/01/2008, for projects at Sr. No. (b) to (d) the BC ratio should not be considered for projects in the saline belt. These projects are in backlog area.
- (v) The projects at Sr. No. (a) and. (d). are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
- (vi) These 4 - L.M.I. Tanks are in Amravati District, which is a back log district. The irrigation back log in Amravati District as on June 1994 is 2,09,640 ha in SRE and balance backlog of June 1994 as on June 2007 is 1,00,830 ha in SRE. These four projects have a total potential in SRE of about 6,413 ha.

4.00 While allocation of water at a dependability lower than 75% required to remove irrigation backlog, affects performance of an existing major and medium project in the sub-basin which are already techno economically approved as per existing norm of 75% dependability for major and medium projects in an inter state basin. Thus the distress in form of water availability is being shared by existing and new projects with a view to remove irrigation backlog by lowering the dependability for water availability from 75% to upto average flow. This revised policy will have to be got approved from the State

Government keeping all techno-economic and legal aspects in view and construction of 4 - L.M.I. Tanks may be taken up only after the approval to this policy

5.00 Environmental clearance is required for these projects as per Notification of Ministry of Environment & Forests, Government of India, September 2006. The environmental angle clearance may be obtained from State Level Committee as per the stipulation in the MoEF's Notification as above. It is presumed that these projects do not involve diversion of forest land. A certificate to this effect needs to be furnished from concerned Forest Dept.

6.00 The MWRRA is, therefore, pleased to accord Conditional clearance to 4 - L.M.I. Tanks under Sec.11 (f) of the MWRRA Act as per salient features appended herewith subject to compliance of condition mentioned in Para - 4 above, environment clearance & forest clearance.

7.00 This clearance is issued under reference No. 51 dated 23/12/2008 and is registered under MWRRA / 2008 / VIDC / PRCL / AMRT 4 -LMI / 1797 dated 23/12/2008 in the office of the Authority.

8.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

महाराष्ट्र शासन, पर्यावरण वृक्ष
संरक्षण विभाग
मुंबई
दि. 24.12.08
[Signature]
तारीख 5.00

[Signature]
S.V. Sodal 23/12
Secretary, MWRRA

Copy forwarded to :

- 1) Secretary (WR), WRD, Mantralaya, Mumbai.
- 2) Executive Director, Vidarbha Irrigation Development Corporation (VIDC), Sinchan Seva Bhavan, Civil Lines, Nagpur - 440 001.
- 3) Chief Engineer , Water Resources Department, Sinchan Seva Bhavan, Shivaji Nagar, Camp, Amravati - 444 603.

Conditional Clearance by MWRRRA to 4 – L.M.I. Tanks in VIDC, Nagpur

Sr. No	Name of Project/ Taluka/ District	Catchment Area Sq Km.	Basin/ Sub-basin	Annual Utilisation in Mm ³				I.C.A. Ha	Cost in Lakh	Cost/ T.C.M	Govt. yard- stick Cost/ T.C.M.	B/C Ratio	Whether Project lies in Backlog District or otherwise	Remarks	
				Irriga- tion	Drink- ing	Indus- try	Evapo- ration								Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Takali Kalan L.M.I. Tank, Taluka Bhatukali, District Amravati	36.25	Tapi / Purna	4.302	0.642	1.651	6.595	893	1,821.288	34,351	36,279	1.60	Yes	Water Clearance by C.E.(SP) WRD, Amravati	
2	Samda (Saundadi) L.M.I. Tank, Taluka Daryapur, District Amravati	111.425	Tapi / Purna	7.226	1.145	3.157	11.528	1,529	4,972.73	48,657	98,052 (Saline Belt Area)	-	Yes	Water Clearance by C.E.(SP) WRD, Amravati	
3	Rajura L.M.I. Tank, Taluka Chandur - Bazar, District Amravati	49.75	Tapi / Purna	4.272	0.800	1.719	6.792	908	4,478.87	66,600	98,052 (Saline Belt Area)	-	Yes	Water Clearance by C.E.(SP) WRD, Amravati	
4	Waghadi Barrage, Taluka Daryapur, District Amravati	127.99	Tapi / Purna	5.075	0.765	2.059	7.898	1,186	4,920.347	88,598	98,052 (Saline Belt Area)	-	Yes	Water Clearance by C.E.(SP) WRD, Amravati	