



Maharashtra Water Resources Regulatory Authority (MWRRA)

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

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File No: MWRRA/2009/PRCL/VIDC/12-3MI/103

Date : 22/05/2009

**Conditional Clearance to
Sarangwadi Storage Tank and
Wai Storage Tank in Amravati
Region under VIDC, Nagpur by
MWRRA under Sec.11 (f) of Act.**

- Ref : १) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ९९२/तांशा/
सारंगवाडी/मजनिप्रा/२००९ दिनांक २७/०२/२००९
२) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ११०८/तांशा/
वाई संग्राहक तलाव /मजनिप्रा/२००९ दिनांक ०७/०३/२००९

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;

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 Project at Sr. No. (a) & (b) in Tapi basin in Amravati Division were received for clearance by MWRRA under above mentioned Section of the Act, vide above Ref.

- (a) Sarangwadi Storage Tank, Taluka Chikhali, District Buldhana
- (b) Wai Storage Tank, Taluka Murtijapur, District Akola

3.00 (i) Sarangwadi Storage Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 1.781 Mm³ at 50% dependability at proposed site based on Government's letter dated 01/01/2009 which is in turn based on a study by C.E. (H.P.) Nashik on water Availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. This project is in the sub catchment 'H' & is in the Mun Project (Medium) catchment. The total water available for utilisation from sub catchment 'H' at 75% dependability is 283.68 Mm³; at 50% dependability is 435.91 Mm³ & annual average is 431.26 Mm³. For the future projects, 45.22 Mm³ water will be utilised & thus total water utilisation in sub catchment 'H' is 328.13 Mm³ which is less than 75% dependable flow. But this project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%.

(ii) Sarangwadi Storage Tank cum flood protection scheme has Gross storage of 7.588 Mm³. Out of which, the annual utilization planned is 1.771 Mm³ and 4.89 Mm³ water will be released in Mun Project in the month of October & November as per the requirement.

(iii) Wai Storage Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 6.516 Mm³ at 50% dependability at proposed site based on Government's letter dated 01/01/2009 which is in turn based on a study by C.E. (H.P.) Nashik on water Availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. This project is in the sub catchment 'D' & is in the Uma Barrage (Medium) catchment. The total water

available for utilisation from sub catchment 'D' at 75% dependability is 95.13 Mm³; at 50% dependability is 122.49 Mm³ & annual average is 123.41 Mm³. For the future projects, 45.36 Mm³ water will be utilised & thus total water utilisation in sub catchment 'D' is 95.13 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%.

- (iv) The BC ratio is more than 1 for Projects at Sr. No. (a) & (b). These projects are in backlog area.
- (v) The projects at Sr. No. (a) & (b) are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
- (vi) Sarangwadi Storage Tank Project is in Buldana District, which is a backlog district. The irrigation backlog in Buldana District as on June 1994 is 1,53,210 ha in SRE and balance backlog of June 1994 as on June 2007 is 91,510 ha in SRE. This Project has a total potential in SRE of about 384 ha.
- (vii) Wai Storage Tank is in Akola District, which is a back log district and the irrigation back log in Akola District (including Washim District) as on June 1994 is 1,77,280 ha in SRE and balance backlog of June 1994 as on June 2007 is 1,13,490 ha in SRE. This Project has a total potential in SRE of about 1,668 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 these 2 - M.I. Tanks in Amravati Region 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

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obtained from State Level Committee as per the stipulation in the MoEF's Notification as above.

- 6.00 Sarangwadi Storage Tank involves diversion of 5.00 ha forest land. A clearance for this diversion needs to be obtained from MoEF before taking up work on the project. It is presumed that Wai Storage Tank does not involve diversion of forest land. A certificate to this effect needs to be furnished from concerned Forest Dept.
- 7.00 Village Sultanpur is coming under submergence of Wai Storage Tank. The work of Dam in river gorge portion should only be started after completion of R & R works.
- 8.00 The MWRRA is, therefore, pleased to accord Conditional clearance to these 2 - M.I. Tanks in Amravati Region under Sec.11 (f) of the MWRRA Act as per salient features appended herewith subject to compliance of condition mentioned in Para - 4 above, environmental clearance & forest clearance.
- 9.00 This clearance is issued under reference No. 71 dated 22/05/2009 and is registered under MWRRA / 2009 / PRCL / VIDC / 12-3MI / 103 dated 22/05/2009 in the office of the Authority.
- 10.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

24/05/09
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o/c
(S.V. Sodal)
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 (Special Project), Water Resources Department, Sinchan Seva Bhavan, Shivaji Nagar, Camp, Amravati - 444 603.

Conditional Clearance by MWRRRA to 2 - 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	Sarangwadi Storage Tank, Taluka Chikhali, District Buldhana	174.50	Tapi / Purna	0.819	0.306	0.646	1.771	240	2,200.57	29,000	29,023	1.40	Yes	Water Clearance by C.E.(SP) WRD, Amravati	
2	Wai Storage Tank, Taluka Murtijapur, District Akola	86.75	Tapi / Purna	3.986	0.504	1.982	6.471	1,036	2,805.82	55,483	87,069 (Saline Belt)	1.16	Yes	Water Clearance by C.E.(SP) WRD, Amravati	