



Maharashtra Water Resources Regulatory Authority

(MWRRA)

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

9th Floor, Centre-1, World Trade Centre, Cuffe Parade, Mumbai - 400 005. Tel : 2215 2019 • Fax : 2215 3765

Email : mwrta@mwrta.org

File No: MWRRA/2008/PRCL/VIDC/11-3MI/1972

Date : 27/02/2009
(05/03/2009)

**Conditional Clearance to Shahapur
Large M.I. Tank in District Akola &
Koyali Storage Tank & Pimpri Modak
Large M.I. Tank in District Washim
under VIDC, Nagpurby MWRRA
under Sec.11 (f) of Act.**

- Ref : १) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ९०१/तांशा/
शहापूर बृ. ल.पा./मजनिप्रा/२००९ दिनांक २५/०२/२००९
- २) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ८४५/तांशा/
शहापूर बृ. ल.पा./मजनिप्रा/२००९ दिनांक २१/०२/२००९
- ३) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ८७५/तांशा/
पिंप्री मोडक/मजनिप्रा/२००९ दिनांक २१/०२/२००९

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;

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

(a) Shahapur Large M.I. Tank, Taluka Akot, District Akola

(b) Koyali Storage Tank, Taluka Risod, District Washim

(c) Pimpri Modak Large M.I. Tank, Taluka Karanja, District Washim

3.00 (i) Shahapur Large M.I. Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 10.482 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 coming in sub catchment 'F' & is in the free catchment. 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 total water utilisation in sub catchment 'F' is 202.13 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) Koyali Storage Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 3.701 Mm³ at proposed site based on Government's letter dated 18/03/2008 which is in turn based on a study by C.E. (H.P.) Nashik. This project is coming in the catchment of Completed Upper Painganga Project (Major). This Study state that water available upto Upper Painganga Project at 75% dependability is 915.18 Mm³; at 50% dependability is 1,403.36 Mm³ & annual average is 1,563.38 Mm³. So for the new MI projects, water saved from kharib irrigation is given to Washim District (95.19 Mm³) & Hingoli District (24.41 Mm³). So total water use upto Upper Painganga Project is 1,417.83 Mm³ & is available at dependability of 49.64

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%. However WRD vide its letter dated 18/03/2008 & 04/04/2008 state that from the catchment of Upper Painganga Project, 105.16 Mm³ [Washim District - 80.72 Mm³ & Hingoli District - 24.41 Mm³] water is available for future projects.

- (iii) Pimpri Modak Large M.I. Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 6.04 Mm³ at proposed site based on Government's letter dated 18/03/2008 which is in turn based on a study by C.E. (H.P.) Nashik. This project is coming in the catchment of Ongoing Bembla Project (Major). This Study state that water available upto Bembla Project at 75% dependability is 374.38 Mm³; at 50% dependability is 474.19 Mm³ & annual average is 538.36 Mm³. The total utilisation in this catchment from all projects is 468.39 Mm³ & for the new MI projects, 32.27 Mm³ water is allotted. So total water use upto Bembla Project is 500.66 Mm³ & its dependability reduced to 45.81 %.
- (iv) The BC ratio is more than 1 for Projects at Sr. No. (a) & (c). These projects are in backlog area.
- (v) The projects at Sr. No. (a) to (c). are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
- (vi) The Project at Sr. No.(a) is in Akola District & Projects at Sr. No. (b) and (c) are in Washim 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. These projects have a total potential in SRE of about 3,804 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 3 - M.I. Tanks in Amravati Region may be taken up only after the approval to this policy

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5.00 Environmental clearance is required for these projects as per Notification of Ministry of Environment & Forests, Government of India, September 2006. The environmental clearance may be obtained from State Level Committee as per the stipulation in the MoEF's Notification as above.

6.00 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.


7.00 The MWRRA is, therefore, pleased to accord Conditional clearance to these 3 - 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.

8.00 This clearance is issued under reference No. 70 dated 27/02/2009 and is registered under MWRRA / 2009 / PRCL / VIDC / 11-3MI / 1972 dated 27/02/2009 in the office of the Authority.

9.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

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(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 (SP), Water Resources Department, Sinchan Seva Bhavan, Shivaji Nagar, Camp, Amravati - 444 603.

Conditional Clearance by MWRRRA to 3 - 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	Shahapur Large M.I. Tank, Taluka Akot, District Akola	119.675	Tapi / Purna	6.98	0.88		2.62	10.48	1,373	5,548.43	71,225	1,08,837 (Saline Belt Area)	Not Consid- ered (Saline Belt Area)	Yes	Water Clearance by C.E.(SP) WRD, Amravati
2	Koyali Storage Tank, Taluka Risod, District Washim	18.10	Goda- vari / Pain- ganga	2.178	0.436		1.086	3.701	620	937.60	28,850	29,023	1.50	Yes	Water Clearance by C.E.(SP) WRD, Amravati
3	Pimpri Modak Large M.I. Tank, Taluka Karanja, District Washim	37.50	Goda- vari / Wardha	4.20	0.574		1.268	6.042	865	1,684.99	36,267	36,279	1.45	Yes	Water Clearance by C.E.(SP) WRD, Amravati