



# 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

File No: MWRRA/2008/PRCL/VIDC/04-7MI/1907

Date : 30/01/2009  
06/02/2009

**Conditional Clearance to 7- M.I.  
Tanks in Amravati Region under  
Vidarbha Irrigation Development  
Corporation, Nagpur, by MWRRA  
under Sec.11 (f) of Act.**

- Ref : १) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १९८/तांशा-५/  
झोडगा/मजनिप्रा/०९ दिनांक १५/०१/२००९
- २) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ३००/तांशा/  
भिलडोंगर/मजनिप्रा/२००९ दिनांक २१/०१/२००९
- ३) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४५७/तांशा-५/  
वरुड/मजनिप्रा/२००९ दिनांक ३०/०१/२००९
- ४) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. २४०७/तांशा/  
खडकी/मजनिप्रा/२००८ दिनांक ३१/१२/२००८
- ५) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. २९९/तांशा/  
पारवा (कोहर)/मजनिप्रा/२००९ दिनांक २१/०१/२००९
- ६) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. २५९/तांशा/  
निम्न ज्ञानगंगा-२/मजनिप्रा/२००९ दिनांक १९/०१/२००९
- ७) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. २२६/तांशा/  
पठारनाला/मजनिप्रा/२००९ दिनांक १६/०१/२००९

### 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 Projects at Sr. No. (a) to (c) in Godavari basin & Projects at Sr. No. (d) & (g) in Tapi basin in Amravati Division were received for clearance by MWRRA under above mentioned Section of the Act, vide above Reference.

- a) Zodga M.I. Tank, Taluka karanja, District Washim
- b) Bhildongar Storage Tank, Taluka Manora, District Washim
- c) Warud Barrage, Taluka Riscd, District Washim
- d) Khadki M.I. Tank, Taluka Malegaon, District Washim
- e) Parwa (Kohar) Storage Tank, Taluka karanja, District Washim
- f) Lower Dnyanganga - II M.I. Project, Taluka Khamgaon, District Buldhana
- g) Pathar nalla M.I. Tank, Taluka Akot, District Akola

3.00 (i) Zodga M.I. Tank has been cleared by CE WRD, Nagpur for water availability of 0.91 Mm<sup>3</sup> 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 Major Project. A copy of C.E. (HP) Nasik's Study on Water Availability for future projects in Godavari basin in Washim District is kept below this file. This Study state that water available upto Bembla Project at 75% dependability is 374.38 Mm<sup>3</sup>; at 50% dependability is 474.19 Mm<sup>3</sup> & annual average is 538.36 Mm<sup>3</sup>. The total utilisation in this catchment from all projects is 468.39 Mm<sup>3</sup> & for the new MI projects, 32.27 Mm<sup>3</sup> water is allotted. So total water use upto Bembla Project is

500.66 Mm<sup>3</sup> & its dependability reduced to 45.81 % against 75% norm for major and medium projects.

- (ii) Bhildongar Storage Tank has been cleared by CE (SP), WRD, Amravati for water availability of 1.30 Mm<sup>3</sup> 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 Arunavati project (Major). This Study state that water available upto Arunavati Project at 75% dependable is 130.69 Mm<sup>3</sup>; at 50% dependable is 209.62 Mm<sup>3</sup> & annual average is 318.61 Mm<sup>3</sup>. The total utilisation in this catchment from all projects is 184.44 Mm<sup>3</sup> & for the new MI projects, 11.34 Mm<sup>3</sup> water is allotted. So total water use upto Arunavati Project is 195.78 Mm<sup>3</sup> & its dependability reduced to 52.66 % against 75% norm for major and medium projects.
- (iii) Warud Barrage has been cleared by CE (SP), WRD, Amravati for water availability of 2.70 Mm<sup>3</sup> based on Government's letter dated 04/04/2008 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 Mm<sup>3</sup>; at 50% dependability is 1,403.36 Mm<sup>3</sup> & annual average is 1,563.38 Mm<sup>3</sup>. for the new MI projects, water saved from kharib irrigation is given to Washim District (95.19 Mm<sup>3</sup> ) & Hingoli District (24.41 Mm<sup>3</sup> ). However vide Government's letter dated 04/04/2008, 105.16 Mm<sup>3</sup> water is available at 50% dependability, out of which 80.72 Mm<sup>3</sup> water is reserved for future projects in Washim District and remaining 24.41 Mm<sup>3</sup> is for Hingoli District. So total water use upto Upper Painganga Project is 1,403.39 Mm<sup>3</sup> which has dependability about 50% against 75% norm for major and medium projects.
- (iv) Khadki M. I. Tank has been cleared by C.E. (S.P.) Amravati for water availability of 2.29 Mm<sup>3</sup> 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 'E' & in the catchment of Completed Katepurna project (Medium). The total water available for utilisation from sub catchment 'E' at at 75% dependability is 273.92 Mm<sup>3</sup>; at 50% dependability is 325.93 Mm<sup>3</sup> & annual average is 348.88 Mm<sup>3</sup>.

For the future projects, 62.68 Mm<sup>3</sup> water will be utilised & thus total water utilisation in sub catchment 'E' is 273.92 Mm<sup>3</sup> 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%

- (v) Parwa (Kohar) Storage Tank has been cleared by C.E. (S.P.) Amravati for water availability of 4.22 Mm<sup>3</sup> 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 'D' & in the catchment of Completed Uma project (Medium). The total water available for utilisation from sub catchment 'D' at 75% dependability is 95.13 Mm<sup>3</sup>; at 50% dependability is 122.49 Mm<sup>3</sup> & annual average is 123.41 Mm<sup>3</sup>. For the future projects, 45.36 Mm<sup>3</sup> water will be utilised & thus total water utilisation in sub catchment 'D' is 95.13 Mm<sup>3</sup> 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%
- (vi) Lower Dnyanganga - II M.I. Project has been cleared by C.E. (S.P.) Amravati for water availability of 11.008 Mm<sup>3</sup> 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 'J' & is in the free catchment. The total water available for utilisation from sub catchment 'J' at 75% dependability is 181.55 Mm<sup>3</sup>; at 50% dependability is 283.36 Mm<sup>3</sup> & annual average is 289.40 Mm<sup>3</sup>. For the future projects, 97.88 Mm<sup>3</sup> water will be utilised & thus total water utilisation in sub catchment 'J' is 123.45 Mm<sup>3</sup> which is more than 75% dependable flow. But this project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%
- (vii) Pathar nalla M. I. Tank has been cleared by C.E. (S.P.) Amravati for water availability of 9.917 Mm<sup>3</sup> 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 Mm<sup>3</sup>; at 50% dependability is 213.94 Mm<sup>3</sup> & annual average is 213.02 Mm<sup>3</sup>. For the future projects, 85.87 Mm<sup>3</sup> water will be utilised & thus total water utilisation in sub catchment 'F' is 202.13 Mm<sup>3</sup> & its dependability reduced to 52 %. This project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%

- (viii) The BC ratio is more than 1 for Projects at Sr. No. (a) & (g). These projects are in backlog area.
- (ix) The projects at Sr. No. (a) and. (g). are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
- (x) The Projects at Sr. No. (a) to (e) are in Washim District & Project at Sr. No. (g) 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. These projects have a total potential in SRE of about 6,965 ha.
- (xi) Project at Sr. No. (f) is in Buldhana District, which is a back log district and the irrigation back log 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 1,890 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 7 M.I. Tanks in Amravati Region may be taken up only after the approval to this policy

- 5.00 Pathar nalla M.I. Tank involves rehabilitation of two villages. The work of Dam in river gorge portion should only be started after completion of R & R works.
- 6.00 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.
- 7.00 Parwa (Kohar) Storage Tank involves diversion of 16.00 ha forest Land. A Forest clearance certificate needs to be furnished from MoEF. It is presumed that other projects do not involve diversion of forest land. A certificate to this effect needs to be furnished from concerned Forest Dept.
- 8.00 The MWRRA is, therefore, pleased to accord Conditional clearance to 7 - 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.
- 9.00 This clearance is issued under reference No. 64 dated 30/01/2009 and is registered under **MWRRA / 2008 / PRCL / VIDC / 04-7MI / 1907** dated 30/01/2009 in the office of the Authority.
- 10.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

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.

महाराष्ट्र सरकार  
जल संवर्धन विभाग  
मुंबई  
३१/०१/०९  
६४  
३०/०१/०९

(S.V. Sodal)  
Secretary, MWRRA

### Conditional Clearance by MWRRRA to 7 - M.I. Tanks in VIDC, Nagpur

Sr. No.	Name of Project/ Taluka/District	Catchment Area Sq Km.	Basin/ Sub-basin	Annual Utilisation in Mm <sup>3</sup>				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 in District or otherwise	Remarks	
				Irrigation	Drinking	Industry	Evaporation								Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Zodga M.I. Tank, Taluka karanja, District Washim	83.46	Godavari / Wardha	4.4939	0.7541	NIL	1.9458	7.1938	801	1,659.65	21,261	36,279	1.82	Yes	Water Clearance by C.E. WRD, Nagpur
2	Bhildongar Storage Tank, Taluka Manora, District Washim	5.837	Godavari / Pain-ganga	0.9240	0.1700	NIL	0.2002	1.2942	271	389.08	28,594	29,023	1.81	Yes	Water Clearance by C.E.(SP) WRD, Amravati
3	Warud Barrage, Taluka Risod, District Washim	2,756	Godavari / Pain-ganga	1.9691	NIL	NIL	0.7318	2.7009	582	782.44	28,970	29,023	1.87	Yes	Water Clearance by C.E.(SP) WRD, Amravati
4	Khadki M.I. Tank, Taluka Malegaon, District Washim	14.66	Tapi / Purna	1.3629	NIL	NIL	0.7799	2.1427	352	829.445	36,110	36,279	1.93	Yes	Water Clearance by C.E.(SP) WRD, Amravati
5	Parwa (Kohar) Storage Tank, Taluka karanja, District Washim	17.752	Tapi / Purna	2.9046	0.5100	NIL	0.7988	4.2134	872	1,275.32	26,712	29,023	2.02	Yes	Water Clearance by C.E.(SP) WRD, Amravati
6	Lower Dnyanganga - II M.I. Project, Taluka Khangaon, District Buldhana	103.70	Tapi / Purna	7.1348	1.3424	NIL	2.5312	11.0083	1,181	3,045.38	28,141	29,023	1.03	Yes	Water Clearance by C.E.(SP) WRD, Amravati
7	Pathar nalla M.I. Tank, Taluka Akot, District Akola	91.85	Tapi / Purna	5.566	0.904	NIL	3.447	9.917	1,448	4,460.82	67,481	1,08,837 (Saline Belt Area)	<del>1.96</del>	Yes	Water Clearance by C.E.(SP) WRD, Amravati