

**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/2009/PRCL/VIDC/25-5MI/336

Date : 22/07/2009

**Conditional Clearance to Bhandaraj  
(LMI) Project in District Akola &  
Borva Bk. (LMI) Barrage, Falegaon  
(MI) Storage Tank & Shelgaon (MI)  
Storage Tank in District Washim by  
MWRRA under Sec.11 (f) of Act.**

- Ref : १) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ३०५३/  
तांशा/बोरव्हा बॅरेज/मजनिप्रा/२००९ दिनांक ०८/०७/२००९
- २) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ३१६५/  
तांशा-५/भंडारज/०९ दिनांक १३/०७/२००९
- ३) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ३१६७/  
तांशा/फाळेगाव/मजनिप्रा/२००९ दिनांक १३/०७/२००९
- ४) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ३१६६/  
तांशा/शेलगाव/मजनिप्रा/२००९ दिनांक १३/०७/२००९

**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 and Project at Sr. No. (d) in Tapi basin in Amravati Division were received for clearance by MWRRA under above mentioned Section of the Act, vide above Refs.

- (a) Borva Bk. (LMI) Barrage, Taluka Mangrulpir, District Washim
- (b) Falegaon (MI) Storage Tank, Taluka Washim, District Washim
- (c) Shelgaon (MI) Storage Tank, Taluka Washim, District Washim
- (d) Bhandaraj (LMI) Project, Taluka Patur, District Akola

3.00 (i) Borva Bk. (LMI) Barrage has been cleared by CE, (SP) WRD, Amravati for water availability of 4.84 Mm<sup>3</sup> at 50% dependability 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 Adan project (Medium). This Study state that water available upto Adan Project at 75% dependability is 92.45 Mm<sup>3</sup>; at 50% dependability is 197.28 Mm<sup>3</sup> & annual average is 205.16 Mm<sup>3</sup>. The total utilisation in this catchment from all projects is 121.68 Mm<sup>3</sup> & for the new MI projects, 30.00 Mm<sup>3</sup> water is allotted. So total water use upto Adan Project is 151.68 Mm<sup>3</sup> & its dependability reduced to 64.56%. However vide WRD's Letter dated 18/03/2008, 69.00 Mm<sup>3</sup> water is allotted from Adan Project for the new MI projects. So total

water use upto Adan Project is 190.68 Mm<sup>3</sup> & its dependability would be around 50.00%.

- (ii) Falegaon (MI) Storage Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 1.756 Mm<sup>3</sup> at 50% dependability 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 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>. So 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>). So total water use upto Upper Painganga Project is 1,417.83 Mm<sup>3</sup> & is available at dependability of 49.64 %. However WRD vide its letter dated 18/03/2008 & 04/04/2008 state that from the catchment of Upper Painganga Project, 105.16 Mm<sup>3</sup> [Washim District - 80.72 Mm<sup>3</sup> & Hingoli District - 24.41 Mm<sup>3</sup>] water is available for future projects.
- (iii) Shelgaon (MI) Storage Tank has been cleared by CE, (SP) WRD, Amravati for water availability of 2.769 Mm<sup>3</sup> at 50% dependability 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 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>. So 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>). So total water use upto Upper Painganga Project is 1,417.83 Mm<sup>3</sup> & is available at dependability of 49.64 %. However WRD vide its letter dated 18/03/2008 & 04/04/2008 state that from the catchment of Upper Painganga Project, 105.16 Mm<sup>3</sup> [Washim District - 80.72 Mm<sup>3</sup> & Hingoli District - 24.41 Mm<sup>3</sup>] water is available for future projects.


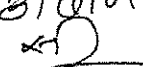
- (iv) Bhandaraj (LMI) Project has been cleared by CE, (SP) WRD, Amravati for water availability of 8.579 Mm<sup>3</sup> at proposed site based on Government's letter dated 01/01/2009 which is in turn based on a study by C.E. (H.P.) Nashik on water Availability for future projects in Purna sub basin in Tapi basin up to Jigaon Project. This Project is coming in sub catchment 'J'. 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%.
- (v) The BC ratio is more than 1 for Projects at Sr. No. (a) to (d). These projects are in backlog area.
- (vi) The projects at Sr. No. (a) to (d) are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
- (vii) Borva Bk. (LMI) Barrage, Falegaon (MI) Storage Tank and Shelgaon (MI) Storage Tank are in District Washim and Bhandaraj (LMI) Project is in District Akola, which are backlog districts and the irrigation backlog 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 2008 is 1,06,680 ha in SRE. These projects have a total potential in SRE of about 5,556 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 4 - M.I. Tanks in Amravati Region may be taken up only after the approval to this policy.

- 5.00 Environmental clearance is required for this project as per Notification of Ministry of Environment and Forests, Government of India, September 2006. The environmental angle clearance may be obtained from Competent Authority as stipulated by MoEF.
- 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 4 - 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. 85 dated 22/07/2009 and is registered under MWRRA / 2009 / PRCL / VIDC / 25-5MI / 336 dated 22/07/2009 in the office of the Authority.
- 9.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

  
 दिनांक : 28/07/09  
 वास्तव्य : 

  
 (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 4 - 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 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	Borva Bk. (LMI) Barrage, Taluka Mangrulpir, District Washim	521.25	Godavari / Pain- ganga	3.058	0.5277		1.2509	4.8366	900	1,256.58	28,887	29,023	1.57	Yes	Water Clearance by C.E.(SP) WRD, Amravati
2	Falegaon (MI) Storage Tank, Taluka Washim, District Washim	6.875	Godavari / Pain- ganga	1.2475	0.2328		0.2762	1.7564	399	483.547	28,511	29,023	1.54	Yes	Water Clearance by C.E.(SP) WRD, Amravati
3	Shelgaon (MI) Storage Tank, Taluka Washim, District Washim	12.50	Godavari / Pain- ganga	2.0412	0.3794		0.3485	2.7691	652	779.365	28,951	29,023	1.18	Yes	Water Clearance by C.E.(SP) WRD, Amravati
4	Bhandaraj (LMI) Project, Taluka Patur, District Akola	90	Tapi / Purna	5.864	1.149		1.566	8.579	1500	3,523.96	36,073	36,279	1.363	Yes	Water Clearance by C.E.(SP) WRD, Amravati