



Maharashtra Water Resources Regulatory Authority (MWRRA)

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

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File No: MWRRA/2008/VIDC/PRCL/WSM 3-LMI & 4-ST/1799

Date : 24/12/2008

**Conditional Clearance to 3 - L.M.I.
Tanks & 4 - Storage Tanks 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. १९७१/तांशा/
वारावृहत/मजनिप्रा/२००८ दिनांक ०३/१२/२००८
- २) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १९७२/तांशा/
वडगांव/मजनिप्रा/२००८ दिनांक ०३/१२/२००८
- ३) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १९७३/तांशा/
वाडीरायताळा/मजनिप्रा/२००८ दिनांक ०३/१२/२००८
- ४) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १८८२/तांशा/
जोगलदरी/मजनिप्रा/२००८ दिनांक २७/११/२००८
- ५) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १८८१/तांशा/ सासी
बोध -२ प्र./मजनिप्रा/२००८ दिनांक २७/११/२००८
- ६) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १८७८/तांशा/
बेलमंडळ/मजनिप्रा/२००८ दिनांक २७/११/२००८
- ७) मु.अ. (वि.प्र.) जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १७९/तांशा/
चोरद/मजनिप्रा/२००८ दिनांक २७/११/२००८

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

- 2 -

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

- (a) Vara (Jahangir) L.M.I. Tank, Taluka & District Washim
- (b) Wadgaon L.M.I. Tank, Taluka Karanja, District Washim
- (c) Wadiraitala L.M.I. Tank, Taluka Risod, District Washim
- (d) Jogaldari Storage Tank, Taluka Mangrulpir, District Washim
- (e) Sarshi Both-2 Storage Tank, Taluka Mangrulpir, District Washim
- (f) Bealmandal Storage Tank, Taluka Karanja, District Washim
- (g) Chorod Storage Tank, Taluka Mangrulpir, District Washim

3.00 (i) Vara (Jahangir) L. M. I. Tank and Sarshi Both-2 Storage Tank have been cleared by CE (SP), WRD, Amravati for water availability 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 Pus project (Major). This Study state that water available upto Upper Pus Project at 75% dependability is 88.50 Mm³; at 50% dependability is 153.44 Mm³ & annual average is 169.03 Mm³. The total utilisation in this catchment from all projects is 133.73 Mm³ & for the new MI projects, 18.87 Mm³ water is allotted. So total water use upto Upper Pus Project is 152.60 Mm³ & its dependability reduced to 51.33% against 75% norm for major and medium projects.

(ii) Wadgaon L.M.I. Tank has been cleared by CE (SP), WRD, Amravati for water availability 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

Bembala project (Major). This Study state that water available upto Bembala Project at 75% dependable is 374.38 Mm³; at 50% dependable 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 Bembala Project is 500.66 Mm³ & its dependability reduced to 45.81 % against 75% norm for major and medium projects.

- (iii) Wadiraitala L.M.I. Tank has been cleared by CE (SP), WRD, Amravati for water availability 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 Mm³; at 50% dependability is 1,403.36 Mm³ & annual average is 1,563.38 Mm³. for the new MI projects, water saved from kharib irrigation is given to Washim District (95.19 Mm³) & Hingoli District (24.41 Mm³). However vide Government's letter dated 04/04/2008, 105.16 Mm³ water is available at 50% dependability, out of which 80.72 Mm³ water is reserved for future projects in Washim District and remaining 24.41 Mm³ is for Hingoli District. So total water use upto Upper Painganga Project is 1,403.39 Mm³ which has dependability about 50% against 75% norm for major and medium projects.
- (iv) Jogaldari Storage Tank has been cleared by CE (SP), WRD, Amravati for water availability 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 Mm³; at 50% dependable is 209.62 Mm³ & annual average is 318.61 Mm³. The total utilisation in this catchment from all projects is 184.44 Mm³ & for the new MI projects, 11.34 Mm³ water is allotted. So total water use upto Arunavati Project is 195.78 Mm³ & its dependability reduced to 52.66 % against 75% norm for major and medium projects.
- (v) Bealmandal Storage 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 'D' & in the

- 4 -

catchment of Completed Uma project (Medium). 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%

- (vi) Chorad Storage 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 in the sub catchment 'E' & 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%.
 - (vii) The BC ratio is more than 1 for Projects at Sr. No. (a) & (g). These projects are in backlog area.
 - (viii) The projects at Sr. No. (a) and. (g). are within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage.
 - (ix) These projects are in Washim District which is a back log district. 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 about 8,291 ha total potential in SRE.
- 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 3 - L.M.I. Tanks & 4 - Storage 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 3 - L.M.I. Tanks & 4 - Storage 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.

7.00 This clearance is issued under reference No. 52 dated 24/12/2008 and is registered under MWRRA / 2008 / VIDC / PRCL / WSM 3-LMI & 4-ST/ 1799 dated 24/12/2008 in the office of the Authority.

8.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

दिनांक 24-12-08
₹ 5.00

(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 MWRRA to 3 - L.M.I. Tanks & 4 - Storage 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 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	Vara (Jahangir) L.M.I. Tank, Taluka & District Washim	151.22	Godavari / Pain-ganga	9.235	1.070	NIL	2.803	13.107 however it should be restricted to 9.235	1,790	3,441.20	33,913	36,279	1.39	Yes	Water Clearance by C.E.(SP) WRD, Amravati
2	Wadgaon L.M.I. Tank, Taluka Karanja, District Washim	38.31	Godavari / Wardha	4.028	0.681	NIL	1.054	5.763	1,075	1,722.52	33,414	36,279	1.60	Yes	Water Clearance by C.E.(SP) WRD, Amravati
3	Wadraitala L.M.I. Tank, Taluka Risod, District Washim	33.60	Godavari / Pain-ganga	3.156	0.691	NIL	1.456	5.303	810	1,754.70	32,667	36,279	1.70	Yes	Water Clearance by C.E.(SP) WRD, Amravati
4	Jogaldari Storage Tank, Taluka Mangrulpir, District Washim	26.875	Godavari / Pain-ganga	1.7825	0.310	NIL	0.6501	2.7426	455	889.20	28,916	29,023	1.03	Yes	Water Clearance by C.E.(SP) WRD, Amravati
5	Sarshi Both-2 Storage Tank, Taluka Mangrulpir, District Washim	20.50	Godavari / Pain-ganga	1.1604	0.200	NIL	0.3086	1.6690	315	507.404	28,978	29,023	1.65	Yes	Water Clearance by C.E.(SP) WRD, Amravati
6	Bealmandal Storage Tank, Taluka Karanja, District Washim	9.65	Tapi / Purna	1.0493	0.180	NIL	0.4409	1.6702	315	465.759	26,559	29,023	1.52	Yes	Water Clearance by C.E.(SP) WRD, Amravati
7	Chorod Storage Tank, Taluka Mangrulpir, District Washim	9.515	Tapi / Purna	1.4382	0.250	NIL	0.4661	2.1544	390	636.933	28,544	29,023	1.96	Yes	Water Clearance by C.E.(SP) WRD, Amravati