Conditional Clearance to 4 - L.M.I. Tanks under Vidarbha Irrigation Development Corporation, Nagpur, by MWRRA under Sec.11 (f) of Act.

Ref : 1) म.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४७०/प्र.अ./
   टाकबाडी कलन वृत्ता २५/११/२००८
  २) म.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४८३/प्र.अ./
   सामाचा (सौदागर) वृत्ता २५/११/२००८
  ३) म.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४६३०/प्र.अ./
   राजुरा वृत्ता ल.पा/२००८ दिनांक ०३/१२/२००८
  ४) म.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. ४४७०/प्र.अ./
   वायाडी वैंरेंज वृत्ता ल.पा/२००८ दिनांक ०३/१२/२००८

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 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 (d) in Tapi basin in Amravati Division were received for clearance by MWRRA under above mentioned Section of the Act, vide above Reference.

(a) Takali Kalan L.M.I. Tank, Taluka Bhatukali, District Amravati
(b) Samda (Saundadi) L.M.I. Tank, Taluka Daryapur, District Amravati
(c) Rajura L.M.I. Tank, Taluka Chandur Bazar, District Amravati
(d) Waghadi Barrage, Taluka Daryapur, District Amravati

3.00  
(i) Takali Kalan L.M.I. Tank and Rajura L.M.I. Tank have 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. These Projects are coming in sub catchment ‘A’ & Takali Kalan L.M.I. Tank is in catchment of Lower Pedhi and Rajura L.M.I. Tank is in catchment of Pedhi Barrage. The total water available for utilisation from sub catchment ‘A’ at 75% dependability is 294.32 Mm³; at 50% dependability is 359.09 Mm³ & annual average is 406.81 Mm³. For the future projects, 131.21 Mm³ water will be utilised & thus total water utilisation in sub catchment ‘A’ is 347.00 Mm³ & its dependability reduced to 56 %. This project will affect the dependability of Jigaon Project by reducing its dependability from 75% to 59%.

(ii) Samda (Saundadi) L.M.I. 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 ‘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 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 & its
dependability reduced to 52 %. This project will affect the
dependability of Jigaon Project by reducing its dependability
from 75% to 59%

(iii) Waghadi Barrage 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 ‘C’ & 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%.

(iv) The BC ratio is more than 1 for Project at Sr. No. (a) & vide
WRD, GR dated 03/01/2008, for projects at Sr. No. (b) to (d) the
BC ratio should not be considered for projects in the saline belt.
These projects are in backlog area.

(v) The projects at Sr. No. (a) and. (d). are within prescribed cost
norms in terms of Rs / 1000 cu.m. of Gross Storage.

(vi) These 4 – L.M.I. Tanks are in Amravati District, which is a back
log district. The irrigation back log in Amravati District as on
June 1994 is 2,09,640 ha in SRE and balance backlog of June 1994
as on June 2007 is 1,00,830 ha in SRE. These four projects have a
total potential in SRE of about 6,413 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 4 – L.M.I. 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 4 – L.M.I. 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, environment clearance & forest clearance.

7.00 This clearance is issued under reference No. 51 dated 23/12/2008 and is registered under MWRRA/2008/VIDC/PRCL/AMRT 4 -LMI/1797 dated 23/12/2008 in the office of the Authority.

8.00 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, Water Resources Department, Sinchan Seva Bhavan, Shivaji Nagar, Camp, Amravati - 444 603.
Conditional Clearance by MWRRA to 4 - L.M.I. Tanks in VIDC, Nagpur

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of Project/ Taluka/ District</th>
<th>Catchment Area Sq Km.</th>
<th>Basin/ Sub-basin</th>
<th>Annual Utilisation in Mm³</th>
<th>L.C.A. Ha</th>
<th>Cost in Lakh</th>
<th>Cost/T.C.M.</th>
<th>Govt. yardstick Cost/T.C.M.</th>
<th>B/C Ratio</th>
<th>Whether Project lies in Backlog District or otherwise</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Takali Kalan L.M.I. Tank, Taluka Bhatukali, District Amravati</td>
<td>36.25</td>
<td>Tapi / Purna</td>
<td>4.302, 0.642, 1.651, 6.595</td>
<td>893</td>
<td>1,821,288</td>
<td>34,351</td>
<td>36,279</td>
<td>1.60</td>
<td>Yes</td>
<td>Water Clearance by C.E.(SP) WRD, Amravati</td>
</tr>
<tr>
<td>2</td>
<td>Samda (Saundadi) L.M.I. Tank, Taluka Daryapur, District Amravati</td>
<td>111.425</td>
<td>Tapi / Purna</td>
<td>7.226, 1.145, 3.157, 11.528</td>
<td>1,529</td>
<td>4,972.73</td>
<td>48,657</td>
<td>98,052 (Saline Belt Area)</td>
<td>-</td>
<td>Yes</td>
<td>Water Clearance by C.E.(SP) WRD, Amravati</td>
</tr>
<tr>
<td>3</td>
<td>Rajura L.M.I. Tank, Taluka Chandur - Bazar, District Amravati</td>
<td>49.75</td>
<td>Tapi / Purna</td>
<td>4.272, 0.800, 1.719, 6.792</td>
<td>908</td>
<td>4,478.87</td>
<td>66,600</td>
<td>98,052 (Saline Belt Area)</td>
<td>-</td>
<td>Yes</td>
<td>Water Clearance by C.E.(SP) WRD, Amravati</td>
</tr>
<tr>
<td>4</td>
<td>Wagbadi Barrage, Taluka Daryapur, District Amravati</td>
<td>127.99</td>
<td>Tapi / Purna</td>
<td>5.075, 0.765, 2.059, 7.898</td>
<td>1,186</td>
<td>4,920.347</td>
<td>88,598</td>
<td>98,052 (Saline Belt Area)</td>
<td>-</td>
<td>Yes</td>
<td>Water Clearance by C.E.(SP) WRD, Amravati</td>
</tr>
</tbody>
</table>