Conditional Clearance to
Chandrabhaga Barrage (Sangwa)
under Vidarbha Irrigation
Development Corporation, Nagpur,
by MWRRA under Sec.11 (f) of Act.

Ref : 1) मु.अ. जलसंपदा विभाग, अमरावती यांचे पत्र क्र. १४६/तांशा/प्रभ/चंद्रभाग बारेज (संगवा) वृत्तपत्र/२००९ दिनांक ०९/०१/२००९
  २) महाराष्ट्र शासन, जलसंपदा विभाग, शासन निर्णय क्र. मापंडें-2००६/(३५/२००६) लपार२ दिनांक २३/०१/२००६

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 Chandrabhaga Barrage (Sangwa), Taluka Daryapur, District Amravati in Tapi basin in Amravati Division was received for clearance by MWRRA under above mentioned Section of the Act, vide above Reference.

3.00 (i) Chandrabhaga Barrage (Sangwa) has been cleared by C.E. (S.P.) Amravati for water availability of 17.54 Mm³ at 50% dependability at proposed site 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 ‘B’. The total water available for utilisation from sub catchment ‘B’ at 75% dependability is 238.45 Mm³; at 50% dependability is 319.06 Mm³ & annual average is 324.10 Mm³. For the future projects, 104.75 Mm³ water will be utilised & thus total water utilisation in sub catchment ‘B’ is 238.45 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%.

(ii) The BC ratio is more than 1 for this Project and is in backlog area.

(iii) The project is within prescribed cost norms in terms of Rs / 1000 cu.m. of Gross Storage. This project is located in saline belt for which cost norms are three times the normal norms vide Government G.R. dated 23/01/2008.

(iv) This Project is 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 three projects have a total potential in SRE of about 2,444 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 Chandrabhaga Barrage (Sangwa) 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 & 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.

6.00 Chandrabhaga Barrage (Sangwa) involves diversion of 12.97 ha forest land. A certificate needs to be furnished from MoEF for Forest clearance.

7.00 The MWRRA is, therefore, pleased to accord Conditional clearance to Chandrabhaga Barrage (Sangwa) 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 and certificate required for forest clearance.

8.00 This clearance is issued under reference No. 52 dated 19/01/2009 and is registered under MWRRA / 2008 / PRCL /VIDC / 03-3MI/ 1878 dated 19/01/2009 in the office of the Authority.

9.00 The Receipt of this Memorandum may please be acknowledged.

Encl : Abstract Sheet

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.
### Conditional Clearance by MWRRA to Chandrabhaga Barrage (Sangwa) 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>I.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>Chandrabhaga Barrage (Sangwa), Taluka Daryapur, District Amravati</td>
<td>235.50</td>
<td>Tapi/Purna</td>
<td>13.068</td>
<td>1.217</td>
<td>3.250</td>
<td>17.535</td>
<td>1,721</td>
<td>8557</td>
<td>1,08,330</td>
<td>1,08,837 (Project is in Saline Belt)</td>
</tr>
</tbody>
</table>

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