



सत्यमेव जयते

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण अधिनियम, 2005 चे कलम 3 अन्वये स्थापित वैधानिक प्राधिकरण

Maharashtra Water Resources Regulatory Authority

A Statutory Authority Established u/s 3 of Maharashtra Water Resources Regulatory Authority Act, 2005



स्वातंत्र्याचा अमृत महोत्सव

File No. MWRRRA/2020/PRCL/VIDC/129/517

Date : 24/08/2022

To,
Executive Director,
Vidarbha Irrigation Development Corporation,
Sinchan Seva Bhavan, Civil Lines,
Nagpur 440 001.

Sub: Clearance of MWRRRA under Section 11(f) of MWRRRA Act, 2005 to Dangurli High-Level Barrage, Taluka & District Gondia.

- Ref:**
- १) का. सं. विपाविम, नागपूर यांचे पत्र क्र. जा. क्र. /४४३/
विपाविम/कातां- ५(१)/डांगुर्ली बॅरेज/२०२१ दि. १९/०१/२०२१
 - २) प्राधिकरणाचे समक्रमांकित पत्र क्र. ५८ दि. २८/०१/२०२१
 - ३) का. सं. विपाविम, नागपूर यांचे पत्र क्र. जा. क्र. /३२०५/
विपाविम/कातां- ५(१)/डांगुर्ली बॅरेज/२०२१ दि. ०७/०६/२०२१
 - ४) का. सं. विपाविम, नागपूर यांचे अ. शा. पत्र क्र. ११/कातां- ५(१)
/२०२२ दि. १८/०२/२०२२
 - ५) प्राधिकरणाचे समक्रमांकित पत्र क्र. १३७ दि. ०८/०३/२०२२
 - ६) का. सं. विपाविम, नागपूर पत्र यांचे क्र. जा. क्र. /२४२७/
विपाविम/कातां- ५(१)/डांगुर्ली बॅरेज/२०२२ दि. २४/०३/२०२२

Executive Director, Vidarbha Irrigation Development Corporation, Nagpur ("Project Proponent" for short) vide letter under Reference No. 1 had submitted the Administrative Approval (AA) proposal of Dangurli High-Level Barrage, Taluka & District Gondia for the clearance of Maharashtra Water Resources Regulatory Authority ("Authority" for short) under Section 11(f) of the MWRRRA Act, 2005 ("Act" for short). On scrutiny of the proposal, the Authority had called additional information vide letter under Reference

No. 2 & 5 which was submitted by Project Proponent vide letter under Reference No. 3, 4 & 6.

Dangurli High-Level Barrage is proposed as an Interstate project between the State of Maharashtra and Madhya Pradesh and is proposed on the Wainganga River near the Dangurli Village. It was principally agreed to propose this Barrage as Joint Venture in the meeting held on 06/09/2013 between the Officers of both States at Bhopal. This Barrage is proposed to strengthen the water sources of three Lift Irrigation Schemes (LIS) on the upstream side of the Barrage i.e. Tedhva-Shivni, Deori-Navegaon & Dangurli and to provide water for irrigation in the Hot weather season.

The said Barrage envisages the construction of a concrete Barrage with a Road Bridge on its top for communication. The said Barrage has a length of 450 meters with 25 vertical gates of size 15 X 5.50 meters and will have a Gross Storage capacity of 10.91 Mm³. The cropping pattern of the above three LIS is changed due to the said Barrage and annual irrigation water use is changed from 30.755 Mm³ to 46.01 Mm³ plus 7.323 Mm³ water for evaporation and 1.636 Mm³ water for drinking. Therefore, the annual water use of the said Barrage will be 54.969 Mm³. The said Barrage requires 208.05 ha Government land in Maharashtra State and 0.6 ha Private, 506.30 Government & 87.50 ha Forest Land in Madhya Pradesh State.

The State Level Technical Advisory Committee (SLTAC) has scrutinized the AA proposal of the said Barrage and in its Report has commented that the said Barrage requires the Authority's clearance. Therefore, the Project Proponent has submitted the proposal.

On scrutiny of the AA proposal of a Dangurli High-Level Barrage with respect to provisions in Section 11(f) of the Act and the Policy for clearance of water resources projects, it is observed that;

- a) The said Barrage is proposed to strengthen the water sources of three LISs having a total Irrigation Command Area of 5,861 ha. i.e. Tedhva-Shivni LIS (3292 ha), Deori-Navegaon LIS (2305 ha) and Dangurli LIS (264 ha) with annual water use of 54.969 Mm³ including 7.323 Mm³ water for evaporation and 1.636 Mm³ water for drinking.
- b) Volume II A of the Integrated State Water Plan (ISWP) specifies annual water utilization of 17.27 Mm³ for Tedhva-Shivni LIS, 12.09 Mm³ for Deori-

Navegaon LIS and 1.395 Mm³ for Dangurli LIS. Thus, total water utilization of 30.755 Mm³ provision is made in ISWP as against annual water use of 54.969 Mm³ for the said Barrage. However, the water use of the Wainganga sub-basin for the years 2016 & 2030 is less than the water availability. Also, there is a 711 Mm³ balance water available after considering the planning of this basin for the Year 2030. Thus, there is scope for taking new project / additional water use in this sub-basin and the 24.214 Mm³ water requirement of said project can be met. The Project Proponent, vide his letter No. ४८१७/ विपाविम/कातां- ५(१)/डांगुर्ली बॅरेज/२०२२ dated 24/06/2022, has certified that after the receipt of AA to said Barrage, it will be included in the next revision of ISWP with the approval of State Water Board and State Water Council.

- c) For Tedhva-Shivni LIS, Chief Engineer Hydrology Project (CE HP), Nashik has accorded a water availability certificate of 17.27 Mm³ on 28/08/2007 and CE (WR) Nagpur has accorded an additional water availability certificate of 16.032 Mm³ on 14/03/2020. For Deori-Navegaon LIS, CE HP, Nashik has accorded a water availability certificate of 12.09 Mm³ on 06/09/2011 and CE (WR) Nagpur has accorded an additional water availability certificate of 12.297 Mm³ on 14/03/2020. For Dangurli LIS, CE HP, Nashik was not empowered to accord water availability certificate at the time of AA of Dangurli LIS. However, the provision of 1.395 Mm³ for Dangurli LIS is made in ISWP and CE (WR) Nagpur has accorded an additional water availability certificate of 1.502 Mm³ on 14/03/2020.
- d) As per the AA proposal, the cost of said Barrage is Rs. 223.18 crores based on the Schedule of Rates for the Year 2017-18. The B/C ratio of said Barrage was 1.702 which is more than 1.50, a norm for Medium projects.
- e) At present, the Ministry of Environment & Forest's (MoEF) Guidelines of 14/08/2018 were in force & Environment Clearance will require to projects having Culturable Command Area (CCA) more than 2000 ha. As the said Barrage's CCA is 9116 ha, the said project will require Environment Clearance. The said Barrage involves 87.50 ha of forest land. A MoEF's clearance is required for the diversion of this forest land.
- f) At present, Hon'ble Governor's Directives for FY 2022-23 are not issued. However, Principal Secretary to the Hon'ble Governor, vide letter dated 06/07/2021, has directed that proposal should be sanctioned if it fulfills the conditions stated in the letter. The Project Proponent, vide letter under

Reference No. 6 confirmed that the said Barrage is fulfilling all the conditions stated in the letter dated 06/07/2021.

- g) As the said Barrage is proposed as an Interstate project, benefit & cost sharing for Maharashtra and Madhya Pradesh be decided by the competent authority before project inception.
- h) 506.30 ha Madhya Pradesh Government land would be under submergence due to said Barrage, hence Madhya Pradesh Government approval or no objection from appropriate authorities to be taken before project inception.

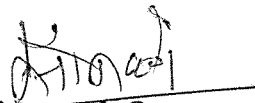
Thus, the said proposal appears to be consistent with the mandatory requirements provided in Section 11(f) of the Act and the Policy for clearance of water resources projects.

Now, therefore, this Authority has directed me to convey to you that in view of SLTAC's recommendation and subject to compliances of statutory clearances mentioned above, the Clearance under Section 11(f) of the MWRRA Act, 2005 is hereby given to the AA proposal of Dangurli High-Level Barrage, Taluka & District Gondia.

Hence this communication.

(By the Order of the Authority)




(Dr. Ramnath Sonawane)
Secretary, MWRRA

Copy to

1. Additional Chief Secretary (WRP & D), Water Resources Department, Mantralaya, Madam Cama Road, Mumbai - 400 032.
2. Principal Secretary to the Hon. Governor, Raj Bhavan, Malabar Hill, Mumbai - 400 035.
3. Chief Engineer, Water Resources Department, Sinchan Seva Bhavan, Civil Lines, Nagpur - 440 001.
4. Superintending Engineer, Irrigation Project Investigation Circle, Water Resources Department, Sinchan Seva Bhavan, Civil Lines, Nagpur - 440001.