



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/2022/PRCL/MKVDC/136/756

Date : 15/12/2022

To,

Executive Director,

Maharashtra Krishna Valley Development Corporation,

Sinchan Bhavan, Barne Road, Mangalwar Peth,

Pune - 411011.

Sub: Clearance of MWRRRA under Section 11(f) of MWRRRA Act, 2005 to 5th Revised Administrative Approval Proposal of Krishna-Koyna Lift Irrigation Project, District Sangli.

Ref : 1) ED, MKVDC, Pune Letter No. मकृखोविम /03/(271 /2022)/ प्र.बां -4/7890/2022 dated 05/12/2022
2) MWRRRA even letter No. 744 dated 12/12/2022
3) ED, MKVDC, Pune Letter No /03 /(271/2022)/प्र.बां-4/8101/2022 dated 14/12/2022

Executive Director, Maharashtra Krishna Valley Development Corporation, Pune ("Project Proponent" for short) vide letter under Reference No. 1 had submitted the 5th Revised Administrative Approval (RAA) proposal of Krishna-Koyna Lift Irrigation Project, District Sangli 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 which was submitted by Project Proponent vide letter under Reference No. 3.

Krishna-Koyna Lift Irrigation Project consist of two Lift Irrigation Schemes (LIS) viz. Takari & Mhaisal. Takari LIS is proposed on Krishna River near Takari village in Upper Krishna sub-basin of Krishna basin and proposed to lift 9.34 Thousand Million Cubic feet (TMC) water to irrigate 27,430 hectare (ha) in Sangli District. Mhaisal LIS is proposed on Krishna River near Mhaisal village in Upper Krishna sub-basin of Krishna basin and proposed to lift 17.44 TMC water to irrigate 81,697 ha in Sangli & Solapur Districts. The said project received Administrative Approval (AA) on 26/04/1984 for Rs. 82.43 crore with annual water use of 14.00 TMC to irrigate 36,615 ha. The State Government has further accorded 1st RAA on 27/03/1986 for Rs. 187.90 crore to irrigate 68,908 ha, 2nd RAA on 07/05/1997 for Rs. 1321.12 crore to irrigate 1,06,020 ha, 3rd RAA on 22/01/2004 for Rs. 1982.81 crore to irrigate 109,127 ha and 4th RAA on 02/08/2017 for Rs. 4959.91 crore to irrigate 1,09,127 ha.

Now, the State Government, vide letter dated 11/08/2021, has given approval for additional 6.00 TMC water use for the farmers of drought affected Jat Taluka of Sangli District who are deprived of water from said Project. Therefore, Mhaisal Jat LIS is now proposed to irrigate 26,500 ha. Thus, the revised water use of said project becomes 32.78 TMC to irrigate 1,35,627 ha. Out of 32.78 TMC water, 19.07 TMC water will be from Koyna Dam, 7.71 TMC water from Krishna River and 6.00 TMC water from Warna Dam.

At present, 100% headworks & about 95% of canal works of the said project are completed. Out of total 1,35,627 ha of Irrigable Command Area (ICA), 1,03,214 ha irrigation potential has been created by March 2022. The said Project requires 3,537.54 ha for land acquisition and 2,536.64 ha land has been acquired so far. As the ICA of said Project is increased from 1,09,127 ha to 1,35,627 ha i.e. 24% increase, the said Project requires this Authority's clearance as per Water Resources Department's GR dated 16/11/2016.

On scrutiny of the 5th RAA proposal of a Krishna-Koyna Lift Irrigation Project with respect to provisions in the Section 11(f) of the Act & the policy of the Authority for clearance of projects under Section 11(f) of the MWRRRA Act which undergo change in scope, it is observed that;

- a) The said Project is proposed on Krishna River in Upper Krishna sub-basin of Krishna basin. The annual water use of said Project is 32.78 TMC to irrigate 1,35,627 ha.
- b) The Volume II B of Integrated State Water Plan (ISWP), approved by the State Water Council under Section 16(4) of the Act, specified annual water

utilization of Takari [264.47 Mm³ (9.34 TMC)] and Mhaisal LIS [493.83 Mm³ (17.44 TMC)] on Page No. 14, 22 & 48 of Volume II B of ISWP. However, the State Government, vide letter dated 11/08/2021, has given approval for additional 6.00 TMC water from Warna Project to use for Mhaisal LIS. Due to this, the annual water use of the said Project increased from 26.78 TMC to 32.78 TMC. The Project Proponent must ensure that the revised water use of said Project will be included in the next revision of ISWP.

- c) At the time of AA dated 26/04/1984, Chief Engineer (Planning & Hydrology) Nashik was not empowered to give water availability certificate to the project. But, State Government, vide its letter dated 20/10/2001 to Central Water Commission, New Delhi has informed that as per the Krishna Water Dispute Tribunal, out of 599 TMC of Maharashtra State share, 48.78 TMC combine water use is considered for Tembhu LIS & Krishna-Koyna Lift Irrigation Project. The Project Proponent, vide letter dated 19/11/2016 has decided that out of 48.78 TMC water, 26.78 TMC water for Krishna-Koyna Lift Irrigation Project and 22.00 TMC water for Tembhu LIS. The State Government, vide letter dated 11/08/2021, has also given approval to use 6.00 TMC water from unused non-irrigation allocation of Warna Project for Mhaisal LIS.
- d) As per the 5th RAA proposal, the cost of said Project is Rs. 8,272.36 crore based on Schedule of Rates for Year 2021-22. The B/C ratio of said Project was 1.87 which is more than 1.50, a norm for Major Project. The Internal Rate of Return of said Project is 11.55% which is more than norm of 10%.
- e) The said Project has received Environment Clearance on 01/07/2009 from the Ministry of Environment & Forest, New Delhi. The said Project has also received Forest Clearance for diversion of 12.83 ha forest land on 08/03/1989 & 25/07/2014 from the Ministry of Environment & Forest, New Delhi. At present, Ministry of Environment, Forest & Climate Change's Guidelines of 14/08/2018 are in force. As the command area & submergence area of said Project is increased, the Project Proponent must ensure that amendment / revision of Environment Clearance of said Project will be obtained. The Project Proponent also stated that said Project requires additional 3.80 ha diversion of forest land. Therefore, the Project Proponent must ensure that the Forest Clearance will be obtained from Ministry of Environment, Forest & Climate Change, New Delhi for diversion of 3.80 ha forest land.
- f) The said Project is an Ongoing Project and regular budget is being provided. The Hon. Governor's directives for year 2022-23 has not been issued yet. But the Project Proponent has submitted the compliance in regards to Secretary to

Hon. Governor's letter dated 06/07/2021 regarding directives of Hon. Governor on giving approval to new irrigation project. The Project Proponent has stated that it is planned to complete the said Project in Five Years from the regular budget provided by the State Government and also said Project will not create more backlog or disturb regional imbalance as it is an Ongoing Project.

Thus, the said proposal appears to be consistent with the mandatory requirements provided in the Section 11(f) of the Act and the policy of the Authority for clearance of projects under Section 11(f) of the MWRRA Act which undergo change in scope.

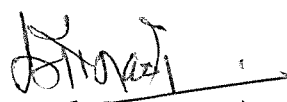
Now, therefore, this Authority has directed me to convey you that in view of SLTAC's recommendation, the Clearance under Section 11(f) of the MWRRA Act, 2005 is hereby given to the 5th RAA proposal of Krishna-Koyna Lift Irrigation Project, District Sangli subject to compliance of following;

- a) Executive Director, Maharashtra Krishna Valley Development Corporation, Pune shall ensure that the revised water use of said Project i.e. additional 6.00 TMC water from Warna Project to said Project (Mhaisal LIS) will be included in the next revision of ISWP.
- b) Executive Director, Maharashtra Krishna Valley Development Corporation, Pune shall ensure that Environment & Forest Clearances will be obtained from Ministry of Environment, Forest & Climate Change, New Delhi.

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 (WR), Irrigation Department, Sinchan Bhavan, Barane Road, Mangalwar Peth, Pune - 411 011.
4. Superintending Engineer, Sangli Irrigation Circle, Warnali Colony, Vishram Baug, Sangli - 416415.