

Pump Storage Plants (PSPs)

Development of PSPs in the state of:

Maharashtra:

- PFRs for 6 projects (including 1 self-identified project) have been prepared. In addition to above, DPR for MalshejGhat PSP (700 MW) has already been prepared by THDCIL in 2010 and submitted to Maharashtra Government.
- THDCIL vide its letter dated 18.10.2023 requested Principal Secretary, Department of Energy, GoMH for allotment of PSPs in Maharashtra.
- Further, THDCIL vide letter dated 17.11.2023 requested CMD, MSPGCL to allocate some PSPs and other Renewable Energy Projects to THDCIL.
- Govt. of Maharashtra vide the Resolution No. Misc.2021/CR82/2021/HP dated 20.12.2023 has issued policy for development of Pumped Storage Projects (PSPs), PSPs cum LIS and co-located PSP-Solar/Other Renewable Energy Hybrid Projects through Public Private Partnership.
- Accordingly, the draft MOU has been prepared and submitted to Govt. of Maharashtra vide letter dated 11.01.2024 for allotment of PSPs in Maharashtra.
- THDCIL vide its letter dated 26.02.2024 requested Additional Chief Secretary, Department of Energy, GoMH for allotment of PSPs in Maharashtra State through signing of MoU.
- In addition, THDCIL vide its letter dated 27.02.2024 also requested CMD, MAHAGENCO to provide the opportunity for development of PSPs and other Renewable Energy Projects in Maharashtra state in JV mode/Standalone basis.
- Mahagenco Renewable Energy Ltd. (MREL), a subsidiary of MAHAGENCO vide letter dated 29.04.2024 has also expressed its interest to collaborate with THDCIL in field of RE projects i.e., self-Identified PSPs, Floating Solar, Hybrid Solar, Solar, Wind, Green Ammonia, Green Hydrogen etc.in state of Maharashtra. M/s MREL also shared Draft Framework Agreement for the concurrence /comments / suggestions of THDCIL.
- THDCIL, vide its letter dated 07.05.2024, requested the Director of MREL to sign the Framework Agreement between THDCIL and MREL for the development of PSPs and other RE projects in Maharashtra State, along with proposed suggestions.
- Water Resources Department (WRD), GoM vide letter dated 07.06.2024 information THDCIL that the allotment of 07 PSPs would be on a first-come, first served basis and requested THDCIL to communicate its willingness to develop these PSPs. Accordingly, THDCIL vide its letter dated 07.06.2024 to WRD, GoM expressed interest in developing 02 PSPs namely Nive PSP (1200 MW) and Atvan PSP (500MW) in Pune/Raigad District and requested to intimate the future course of action.
- THDCIL officials had a meeting with the officials of DoE and WRD of GoM on 26th June, 2024 and again requested to consider the allotment of 06 nos. PSPs for further development. In the meeting, it was communicated that decision in this regard shall be communicated to THDCIL shortly.

Chhattisgarh:

- THDCIL has submitted a Draft MOU with Secretary, Department of Energy (DoE) Govt. of Chhattisgarh based on PSP policy of Chhattisgarh State on 15.12.2023 for allocation of 02 PSPs of total installed capacity of 3500 MW for development.
- Waiver of the following is being pursued:
 - Green energy development charges for PSPs: Rs 1 lakh/ MW for 5 years from COD and thereafter increase of 25% after every 5 years.
 - Performance Guarantee
 - Royalty on Water Utilized by Pumped Storage based Hydro Electric Projects
- As per the discussions with DoE, proposal for the waiver of above from State Cabinet is being submitted by THDCIL.
- CMD, THDCIL vide letter dated 28.05.2024 requested Secretary (Power), MoP to request GoCG for waiver of above charges. Matter is being pursued with MoP. Director, MoP informed that similar request has also been received from NTPC and they are processing the same together.

Kerala:

- Memorandum of Understanding (MoU) signed with Kerala State Electricity Board Ltd. (KSEBL) on 24.01.23 for preparation of PFR.
- PFRs for Idukki PSP (700 MW) and Pallivasal PSP (600 MW) submitted to KSEBL.
- THDCIL vide letter dated 04.10.2023 requested Private Secretary, Office of Chief Minister, Govt of Kerala for a suitable date for a meeting with Honorable Chief Minister to discuss development of RE Projects including PSPs in Kerala.
- THDCIL had a follow up meeting with ACS (Energy) on 06.10.2023 regarding allotment of aforementioned projects for development.
- THDCIL vide mail dated 23.10.2023 requested Political Secretary, Office of the Chief Minister, Govt of Kerala for a suitable date for meeting with Honorable Chief Minister to discuss development of RE Projects in the State.
- Meeting held with KSEBL officials on 04.11.2023 to deliberate on the issues regarding development of PSP Projects in Kerala.
- KSEBL vide letter dated 28.12.2023 has conveyed acceptance of PFRs.
- In response, THDCIL vide letter dated 09.01.2024 has requested KSEBL to allocate above projects to THDCIL in order to prepare DPRs and further implementation.

Karnataka (Status of 1500 MW Varahi PSP)

- THDCIL signed Memorandum of Understanding (MoU) with Karnataka Power Corporation Limited (KPCL) on 09.11.2023 for development 1500 MW of Pumped Storage Plant at Varahi.
- The proposed PSP projects fall in Mokambika & Someshwer Wild Life Sanctuary and its Eco- Sensitive Zone. THDCIL uploaded request for S&I clearance in PARIVESH portal on 27.01.2024 for project area of 147 Hect.

- DCFO Kudurmukh Wild Life Division Karkala raised EDS on 23.02.2024 stating to provided Scanned copy of the Geo referenced map of the forest land, Component & Village wise breakup, GPS Coordinate etc.
- Varahi team has collected relevant village map of project and has handed over to KPCL for superimposing project boundary and survey nos etc. as requested by DCFO. THDCIL submitted the details on 08.03.2024 through Parivesh Portal.
- DCFO Karkala visited at proposed PSP site location on 11.04.2024 with their entire team for site inspection report to be submitted in PARIVESH portal.
- Report has been submitted by Wild Life Division Karkala to nodal officer/PCCF Bangalore.
- For expediting the works, THDCIL is in the process of seeking permission from MoEF for carrying out S&I activities in a restricted area of approximately 01 Hectare out of the total 147 Hectare land required for the project.
- THDCIL officials met PPCF in his office at Bangalore on 13 May 2024 assured that after deliberating with forest officials and Hon'ble Minister shall process the case for further clearance of SBWL etc. as per requirement of the case. It was requested to expedite the case on fast-track mode.
- PCCF, Bengaluru raised some query on the application. THDCIL official met PCCF in his office on 24.06.2024. regarding the query and submitted THDCIL concern. After discussion, THDCIL submitted its reply on 25.06.2024.

Uttarakhand:

- THDCIL is in the process of preparation of Pre-Feasibility Report (PFR) for PSP Scheme near Rishikesh, Uttarakhand. Site visit has been conducted on 16.11.2023 and 17.11.2023.
- Interim report has been prepared on 21.12.2023.
- THDCIL has prepared the draft Pre-Feasibility Report (PFR) for Shivpuri PSP (600MW). Final PFR has been submitted.

Telangana

- THDCIL vide letter dated 12.01.2024 requested Principal Secretary (Energy), Government of Telangana for the meeting to elaborate THDCIL credential and discuss about the collaboration for development of Pumped Storage Projects in the State of Telangana.
- D(T), THDCIL has discussion in meeting with MD, TSGENCO, Telangana on 05.02.2024 for the development of PSP projects in Telangana State
- TSGENCO vide letter dated 18.05.2024 requested THDCIL to take up the Techno Commercial Prefeasibility Studies (TCPS) for 08 Nos. projects.
- THDCIL vide letter dated 25.05.2024 conveyed TSGENCO that THDCIL shall undertake the preparation of PFR works of 2-3 projects at its own cost provided TSGENCO assure to allocate feasible projects to THDCIL for development, through signing of an MoU, either in stand-alone mode or in the Joint Venture (JV) mode with state utilities.

Rajasthan

- THDCIL vide letter dated 31.01.2024 requested Principal Secretary, DoE, GoR for allotment of 02 PSP Projects in Rajasthan i.e. Bisanpura PSP (800 MW), and Rampura PSP (800 MW) to THDCIL for development. These projects can be developed either through JV mode with agencies of Govt. of Rajasthan or on stand-alone basis by THDCIL on nomination basis at mutually agreed terms and conditions. The Govt. Of Rajasthan policy for PSP development is under approval and MoU shall be executed based on the approval of GoR.
- Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RVUNL) vide letter dated 03.04.2024 has requested THDCIL to explore possibilities to install PSP at Mahi-PH I&II Hydel Power Plant.
- THDCIL vide letter dated 25.04.2024 requested some data regarding Mahi-PH I&II to do the preliminary studies which was provided by RVUNL vide letter dated 16.05.2024.
- Desk study to explore possibilities to install PSP at Mahi-PH I is in progress and site visit of the same shall be taken up accordingly.

Uttar Pradesh

- THDCIL on 17.01.2024 has generated two MoUs through UP Invest Portal for 'THDC 01 & 02 Pumped Storage Project (PSP) envisaged as off- Stream Closed Loop PSP of 1200 MW/7681 MWH and 2460 MW/14834 MWH Storage Capacity respectively, located in Bashuhari/ Vadela Village & Bhitari/ Shoma Village, Sonbhadra District, Uttar Pradesh.
- THDCIL vide letter dated 22.01.2024 has requested CEO, Invest UP for according in-principle approval for the development of above projects.
- Invest UP vide letter dated 14.02.2024 has shared information about 05 PSPs whose In-principal approval has already been accorded in Sonbhadra District and requested THDCIL to certify that projects submitted do not overlap with either of 05 PSP projects listed.
- THDCIL vide letter dated 15.02.2024 to Invest UP has certified that THDC-01 PSP (1200MW), located in Sonbhadra District does not overlap with any of the five projects and requested to accord for "In-principle approval" for the same. Invest UP vide letter dated 13.03.2024 informed to put up the proposal for "THDC 01 PSP (1200MW)" situated in Bashuhari /Vadela Village, Sonbhadra District on 21.03.2024 for "In-principle approval. Accordingly,
- Accordingly, THDCIL's team visited Invest UP at Lucknow on 04.04.2024 and gave presentation on THDC-01 PSP (1200MW). Requested to CEO, Invest UP to accord for "In-principle approval" for the same.
- The minutes of meeting has been issued vide letter dated 01.05.2024 and according to MoM, In-principal approval for allotment of THDC-01 PSP (1200 MW) in Bashuhari /Vadela Village, Sonbhadra District in favour of THDCIL has been granted by Govt. of UP. However, allotment letter for the same is awaited.
- Invest UP had a review meeting on 10.05.2024 regarding the progress of development of PSPs in U.P. along with the THDC-01 PSP (1200 MW). However, work of

preparation of PFR of THDC 01 PSP (1200 MW) has been started by M/s TCE as consultant.

- Site visit has been conducted along with consultant on 14.06.2024 to 15.06.2024 and data related to Kaimur Wild Life Sanctuary in UP and Bihar is being obtained from DFO office, Obra in Sonbhadra District. Site visit report has been submitted on 26.06.2024 and preparation of interim report is under progress by consultant.

Budget Estimate v/s Expenditure of Bokang Bailing and TUSCO Ltd. during FY 2023-24:

Expenditure done during the month of Jun'24 on Bokang Bailing and TUSCO Ltd. is ₹ 2.39 cr (including expenditure of ₹ 2.32 cr of TUSCO Ltd) against the BE of ₹ 17.52 cr. Cumulative expenditure upto Jun'24 in F.Y. 2024-25 is ₹ 24.75 cr (including ₹ 24.49 cr of TUSCO Ltd) against the BE of ₹ 53.56 cr.