



ABSTRACT

Energy Department – Announcement made in the Budget Speech for the year 2023 – 2024 - Execution of 12 Nos. of Pumped Storage Projects by Tamil Nadu Generation and Distribution Corporation Limited under Public Private Partnership (PPP) mode – In Principle Approval – Sanctioned - Orders – Issued.

ENERGY (B1) DEPARTMENT

G.O(Ms.)No.106

Dated: 13.12.2023

சோபகிருது வருடம், கார்த்திகை 27
திருவள்ளூர் ஆண்டு 2054

Read:

- 1) From the Additional Chief Secretary /Chairman and Managing Director, Tamil Nadu Generation and Distribution Corporation Limited, Letter, No.CE/ Proj-I/SE/ PD&C/ EE-3/ AEE/ F.12Nos.PSPs/ D.47 / Dated 15.06.2023.
- 2) From the Chairman, Cauvery Technical Cell cum Inter State Waters Wing, Water Resources Department, Chennai-8, Letter No.CTC/CAU/12/VC/ Mekedatu / Dated 08.08.2023, 21.8.2023 & 11.09.2023.
- 3) From the Engineer-in- Chief & Chief Engineer (General), Water Resources Department, Chepauk, Chennai-5, Letter No.S7(4)/ 33907 (ED-TANGEDCO)/ OT3/2022, Dated 29.09.2023.

ORDER:

In the Budget Speech for the year 2023-2024, the following announcement has been made:-

"Pumped Storage Hydro Electric Projects will be established under PPP mode to meet the peak hour demand of the State. Accordingly, 15 more projects will be established under PPP mode with a total capacity of 14,500 MW at an estimated cost of Rs.77,000 Crore by 2030".

2) In the letter first read above, the Additional Chief Secretary/ Chairman and Managing Director, Tamil Nadu Generation & Distribution Corporation Limited has requested the Government to grant 'In-Principle' approval for the execution of the following 12 Nos. of Pumped Storage Projects under PPP mode:

SL. NO.	NAME OF THE PROJECT	PROJECT COST
(i)	Sillahalla PSHEP Stage-I (1000 MW) / Nilgiris District	Rs.4952.17 Crore (As per Feasibility Report at 2019-20 price level)

(ii)	Sillahalla PSHEP Stage-II (1000 MW)/ Nilgiris & Coimbatore Districts	Rs.4917.81 Crore (As per Pre-Feasibility Report at Fourth quarter of 2021 price level)
(iii)	Kodayar PSHEP (1500MW)/ Kanyakumari District	Rs.10838.37 Crore (As per Feasibility Report at April 2022 price level)
(iv)	Manalar PSHEP (1200MW) / Theni District	Rs.9887.29 Crore (As per Feasibility Report at April 2022 price level)
(v)	Aliyar PSHEP (700 MW) / Coimbatore District	Rs.2504 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(vi)	Velimalai PSHEP (1100MW)/ Kanyakumari District	Rs.4521 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(vii)	Manjalar PSHEP (500MW)/ Theni District	Rs.2464 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(viii)	Palar-Poranthalar PSHEP (1100MW)/ Dindigul District	Rs.4254 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(ix)	Chattar PSHEP (1100MW)/ Kanyakumari District	Rs.4707 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(x)	Karayar PSHEP (1000MW)/ Tirunelveli District	Rs.4589 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(xi)	Mettur PSHEP (1000MW)/ Salem District	Rs.4434 Crore (As per Pre-Feasibility Report at 2021-22 price level)
(xii)	Athur PSHEP (300MW)/ Dindigul District	Rs.1718 Crore (As per Pre-Feasibility Report at 2021-22 price level)

In respect of other 3 projects viz., (i) Upper Bhavani Pumped Storage Hydro Electric Project (4x250 MW), (ii) Sandynalla Pumped Storage Hydro Electric Project (4x300 MW) and (iii) Sigur Pumped Storage Hydro Electric Project (4x200 MW) the Board of Tamil Nadu Generation and Distribution Corporation Limited has resolved to allocate the said projects to NTPC Limited.

3) The Government, after careful examination, have decided to accept the proposal of the Additional Chief Secretary /Chairman and Managing Director, Tamil Nadu Generation & Distribution Corporation Limited and hereby accord 'In-Principle' approval to TANGEDCO for the execution of the 12 Nos. of Pumped Storage Projects indicated in paragraph 2 above under PPP mode, subject to the following conditions:-

- (i) In open loop pumped storage projects, initial filling/storing of water in upper reservoir will have to be done during flood season or when excess water is available without affecting the irrigation demand in consultation with the Executive Engineers of Water Resources Department Reservoirs / Dams concerned.
- (ii) Fresh water is required to replenish the losses due to evaporation, percolation etc., to the upper reservoir, and this work must be done during flood season or whenever there is an abundance of water in coordination with Executive Engineers of Water Resources Department Reservoirs / Dams concerned.
- (iii) In closed loop pumped storage projects, the water held in the lower reservoir serves its intended purpose. If there is not enough room in the lower reservoir especially during periods of surplus, and once the surplus ends, appropriate recharge plan shall be worked out for operating of PSP in the said circumstances to maintain water held in the lower reservoir for its intended purpose.
- (iv) The proposed projects should not limit the scope of Water Resources Department in conducting investigations for several diversion / linking projects from the rivulet / nullahs in the area of the PSPs, for the purpose of increasing irrigation sources.
- (v) Field Engineers of the concerned Water Resources Department Reservoirs / Dams also have to be consulted during the preparation of Detailed Project Report of 12 Nos. of the Pumped Storage Hydro Electric Projects for detailed field inputs and suggestions.
- (vi) Royalty charges shall be paid to the Water Resources Department by TANGEDCO at the rate of Rs. 1000/- per annum for each of the Pumped Storage Projects.
- (vii) Forest and wildlife clearance, wherever applicable, shall be obtained through the PARIVESH portal.

4) This order issues with the concurrence of the Water Resources Department e-file No.4948/B1/2023 Note#29 Dated 25.10.2023 and the Finance Department e-file No.4948/B1/2023 Note#37 Dated 31.10.2023.

(BY ORDER OF THE GOVERNOR)

**BEELA RAJESH,
PRINCIPAL SECRETARY TO GOVERNMENT.**

To

The Additional Chief Secretary/Chairman cum Managing Director,
Tamil Nadu Generation and Distribution Corporation Limited, Chennai-2.
The Finance Department, Secretariat, Chennai-9.
The Water Resources Department, Secretariat, Chennai-9.
The Environment, Climate Change & Forest Department, Secretariat, Chennai-9.

Copy to:

The Chairman,
Cauvery Technical Cell cum Inter State Waters Wing, Chennai - 8.
The Engineer-in-Chief and Chief Engineer (General),
Water Resources Department, Chennai-5.
Hon'ble Chief Minister's Office, Chennai-9.
The Special Personal Assistant to Hon'ble Minister (Finance & Human
Resources Management), Chennai-9.
The Senior Principal Private Secretary to Chief Secretary to Government,
Secretariat, Chennai-9.
The Private Secretary to Principal Secretary to Government,
Energy Department, Secretariat, Chennai-9.
SF/SC

// Forwarded // By Order //

W.R.C.
Section Officer. 13/12/2023
S.F.
13/12/2023