



ORDER

OF THE

**WEST BENGAL ELECTRICITY REGULATORY
COMMISSION**

IN THE MATTER OF

CASE NO. OA- 481/ 24-25

**IN-PRINCIPLE APPROVAL FOR CAPITAL EXPENDITURE
OF AN ESTIMATED COST RS. 7698.40 LAKH FOR
IMPLEMENTATION OF NEW TRANSMISSION SCHEME
OF WEST BENGAL STATE ELECTRICITY
TRANSMISSION COMPANY LIMITED.**

DATE: 13.11.2025



In Principle approval for Capital Expenditure of an estimated cost Rs. 7698.40 lakh for implementation of different transmission scheme of West Bengal State Electricity Transmission Company Limited (WBSETCL)

CASE IN BRIEF

- 1 The instant petition was filed on 13.05.2024 by West Bengal State Electricity Transmission Company Limited (in short 'WBSETCL') for approval of Capital Expenditure of an estimated cost Rs. 7698.40 lakh for implementation of transmission scheme at Goaltore in terms of regulation 2.8.2.3 and Paragraph 4.1 (vi) of Schedule-2 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (in short 'Tariff Regulations'). The Commission admitted the application on 28.05.2024 and registered it as Case No. OA-481/24-25.

- 2 The following new transmission schemes are included in this petition:

Sl. No.	Type of Works
1.	Construction of Goaltore 132/33 kV AIS with 2 nos. 132 kV feeder bays, 3x50 MVA 132/33 kV transformers, 12 nos. 33 kV feeder bays, 2 nos. 33/0.415 kV 315 kVA station service transformers, and 3 nos. 33kV earthing transformers (551A)

- 3 In the application, WBSETCL has submitted the brief description of the following scheme:

3.1 Construction of 132/33 kV Sub-station at Goaltore with 02 nos. 132 kV feeder bays, 3X50 MVA 132/33 kV transformers, 12 nos. 33 KV earthing transformers (551 A):

3.1.1 Project details:

The 125 MW Solar Park Project at Dadanpatrabar was sanctioned vide approval no. FIN-26011/1928/2020. The Govt of West Bengal had sanctioned a sum of Rs 150 Crore as equity to WBSEDCL and balance amount through loan from KFW, Germany amounting EURO 75 million i.e. Rs 600 Cr considering conversion factor Rs.80 per EURO.

3.1.2 Due to some compelling reasons, the project site was changed to Goaltore Industrial Area, Paschim Medinipur, instead of Dadanpatrabar, Purba Medinipur.

3.1.3 The Project cost for the 125 MW Solar Park at Goaltore Industrial Area remained same as approved by the State Cabinet for the Dadanpatrabar Solar project.



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3.1.4 Accordingly, approval was accorded in the 82nd meeting of the Board of Directors held on 6th June, 2022 for the following works:

1. Construction of Goaltore 132/33 kV Sub-Station with 2 nos. 132 kV feeder bays, 3x50 MVA, 132/33 kV Transformers, 28 nos. 33 kV feeder bays etc. as a deposit work of WBSEDCL on cost plus basis.
2. Construction of 2 nos. 132 kV line bays at C. K. Road 132 kV Substation & 132 kV D/C Transmission Line (with HTLS conductor) from C. K. Road 132 kV Substation to proposed Goaltore 132/33 kV Sub-Station (R.L $\approx$ 29.632 Km) including S/C LILO of Midnapur- Bishnupur 132 kV line at C. K. Road 132 kV Substation (D/C R.L $\approx$ 5.916 Km & S/C R.L $\approx$ 0.300 Km) for establishment of D/C connectivity in between 1) Midnapore 220 kV Sub-Station & CK Road 132 kV Sub-Station and 2) Bishnupur 132 kV Sub-Station and CK Road 132 kV Sub-Station from own fund of WBSETCL for an estimated project cost of Rs. 8181.61 Lakh (including cost of Supervision and IDC (for bays and lines)).

3.1.5 Petition for investment approval of the above-mentioned transmission lines & bays (sl. no. 2) was submitted to this Commission on 15.07.2022 and approval was also accorded vide Case No. OA-426/22-23, Dated: 20.02.2023.

3.1.6 The awarded value for Goaltore 132 KV AIS of WBSETCL being considerably higher than the estimated cost, WBSEDCL expressed their difficulties for arrangement of this capital cost due to limitation of the sanctioned amount of equity participation from Govt. of West Bengal for Goaltore Solar Project.

3.1.7 In a joint meeting between WBSEDCL & WBSETCL held on 13.06.2023, it was resolved that Goaltore 132/33KV Sub-station at the premises of Solar Project would be constructed as an EHV Sub-station of WBSETCL from their own fund for power supply to existing & upcoming downstream 33KV Sub-stations of WBSEDCL and at the same time it would also be utilized for evacuation of generated Power at Goaltore Solar Park and 33KV bays to be constructed at Goaltore 132/33KV Sub-station exclusively for evacuation of power from Goaltore Solar Project will be the asset of WBSEDCL & the cost incurred on this account would be borne by WBSEDCL from the total sanctioned project cost for Goaltore Solar Project.

3.1.8 Accordingly, revised estimate has been prepared based on LoA. Total approved project cost is Rs 750 Crore. The proposed scheme pertains to the construction of a 132/33 kV Air



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Insulated Sub-station (AIS) at Goaltore, Paschim Medinipur, comprising 2 nos. 132 kV feeder bays, 3x50 MVA 132/33 kV transformers, 12 nos. 33 kV feeder bays, 2 nos. 33/0.415 kV 315 kVA station service transformers, and 3 nos. 33 kV earthing transformers.

3.1.9 The Goaltore 132/33 kV Sub-station will facilitate supply to existing and upcoming 33 kV substations of WBSEDCL, and to enable evacuation of solar generation (with future provision up to 200 MW). The scheme is expected to enhance supply reliability, reduce line length and losses, and improve voltage profile in the surrounding area.

3.1.10 STATUS OF LAND:

Goaltore 132/33 KV AIS Substation is being constructed within the premises of the Goaltore Solar Park, managed by WBSEDCL, located inside the Goaltore Industrial Park, District Paschim Medinipur. Permissive possession of 10.67 acres of land was duly handed over to WBSETCL on 22.01.2024.

3.1.11 The Scheme is proposed to be completed within 15 months from the date of placement of LOA. The Transmission Scheme is scheduled to be commissioned within 2024-25.

4 Approval Reference of Projects:

Sl.no	Name of the Project	Approval Ref. of BOD, WBSETCL	Ref. Order details of WBSETCL
1.	Construction of 132/33 kV Sub- station at Goaltore with 02 nos.132 kV feeder bays, 3X50 MVA 132/33 KV transformers, 12 nos. 33 kV feeder bays, 02 nos. 33/0.415 KV ,315 kVA station service transformers and 03 nos. 33 kV earthing transformers (551 A).	Agenda Item No.-27 of 89th meeting of BOD held on 13/07/2023	CE/CPD/TAA/20 22-234/072(MOD-I), Dt. 20/07/2023

5 Funding arrangement:

The project is proposed to be funded through WBSETCL's Internal Resources (IR) and through domestic borrowings. The equity component (30%) is proposed to be met through Internal Resources (IR) and the loan component (70%) through domestic borrowings from any financial institution with a payback period of 10 years and 6 months.



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Interest During Construction based on the assumption that the project being financed from equity and loan in the ratio of 30:70 and the equity component being released simultaneously along with the loan component. The interest rate for the loan amount has been considered @ 9.50% for domestic funding.

6 Status of tender:

Letter of Award for the Goaltore 132/33 KV AIS project has been issued to the eligible vendor following the tendering process. The work has commenced by the designated vendor, given the urgency and the stipulated timeframe of the solar power project.

7 Basis of Cost Estimate:

The unit rates for all sub-station equipment have been derived from the Letter of Award (LOA) for Composite Package. The cost estimates for the equipment shall be inclusive of all applicable taxes and duties.

8 Financial implication:

The project cost including Supervision and IDC for the projects covered under paragraph 2 above is given below:

Sl. no.	Description	Amount (Rs. in Lakh)
1	Construction of 132/33 KV Sub-station at Goaltore	
	Total Estimated Cost	6484.75
	Supervision Charge (@10%)	648.48
	Total Project Cost including Supervision	7133.23
	IDC	565.17
	Project Cost including Supervision & IDC	7698.40



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OBSERVATIONS OF THE COMMISSION

- 9 The Commission observes that, in terms of Regulation 2.8.2.3 of Tariff Regulations, approval of the Commission for investment in new transmission project is mandatory after 31.12.2007. The Commission also observes that the regulation inter-alia specifies approval of the project shall be taken before investment is made in order to minimize the investment risk.
- 10 The Commission also observes that the projects will facilitate supply to existing and upcoming 33 kV substations of WBSEDCL, and to enable evacuation of solar generation (with future provision up to 200 MW). The scheme is expected to enhance supply reliability, reduce line length and losses, and improve voltage profile in the surrounding area.

ORDER

- 11 The Commission after considering all the facts and the project reports submitted by WBSETCL in its petition dated 13.05.2024, approves the investment proposal amounting to Rs.7698.40 Lakh in terms of regulation 2.8.2.3 of Tariff Regulations.
- 12 The Commission also gives the following directions:
 - (i) For the purpose of capitalization, WBSETCL will have to seek approval of the Commission for the project cost along with actual interest during construction and all actual expenditure incurred or apportioned to the project cost on account of spares, transportation, insurance, tax, establishment charges, and losses during construction and consultancy charges, if any. WBSETCL is to provide the cost break-up of the scheme showing the actual vis-à-vis estimation included in the total project cost as above.
 - (ii) WBSETCL shall ensure proper metering arrangement in line with Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time and arrangement for real time data display at SLDC control room before energization of the sub-station and associated Transmission Systems.
 - (iii) On completion of the project, WBSETCL shall submit the COD and a benefit analysis of the project separately before the Commission.



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- (iv) The original project cost shall be approved showing the details of deviations from its investment plan along with reasons of such deviations in terms of Regulation 2.8.5 of Tariff Regulations. Commission may disallow any excess of project cost on capitalization over approved cost if it finds the justifications furnished are not adequate.
- 13 The Petition is thus disposed of.
- 14 WBSETCL shall download the copy of the order from the website of the Commission and act on it. Certified copy of the order, if applied for, be given to the parties on completion of formalities laid down in the West Bengal Electricity Regulatory Commission (Conduct of Business) Regulations, 2013, as amended and on submission of necessary fees.

Sd/-

(DR. MALLELA VENKATESWARA RAO)
CHAIRPERSON

Sd/-

DEPUTY DIRECTOR , WBERC

Dated : 13.11.2025