



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004

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ABSTRACT

Upgradation of 66kV Substation Gandhinagar to 110kV Substation with 2Nos 110kV feeder Bays, 2x20MVA 110/11kV Transformers under Transmission Circle , Poovanthuruthu - Administrative sanction accorded- orders issued.

Corporate Office(SBU-T)

B.O(FTD)No.261/2020/D(T,SO&S)/T2/PVTH/GandhinagarSS/upgradation/2019-20 Dated Tvpm .

01.04.2020

- Read: - 1. Note No. CE(TS)/EE1/AEEIV/DPR/2019-20/2903 dated 04.03.2020 of the Chief Engineer (Transmission South).
2. Note No. D(T,SO&S)/ T2/ PVTH / Gandhinagar SS/upgradation /2019-20 /141 dated 25.03.2020 of Director(T,SO&S) (Agenda No. 88/3/20)

ORDER

The Chief Engineer, Transmission South has submitted a proposal as per note read as 1 above for the upgradation of 66kV Substation Gandhinagar to 110kV under Transmission Circle, Poovanthuruthu for an amount of Rs 10.5 Crore. The estimate for the above is prepared based on the prevailing transmission cost data for the transmission works .

The proposal is for the upgradation of 66kV Substation to 110kV Substation incorporating 2 Nos of 110kV feeder bays such as Pallom-Gandhinagar (PLGN) and Ettumanoor-Gandhinagar (ETGN) with single bus system, 2 Nos 20MVA 110/11kV transformers and transformer bays and renovation of the existing control room.

Single bus arrangement is proposed at 110KV Substation Gandhinagar with flexibility of switching supply from Pallom or Ettumanoor. The construction of a 110kV Substation at Gandhinagar will provide immediate benefit to around Fifty thousand consumers in and around Gandhinagar area and Kottayam Medical College.

As per the load flow study report, with the proposed upgradation of 66kV Pallom-Ettumanoor DC feeder to 110kV along with the upgradation of 66kV substations at Gandhinagar and Kottayam to 110kV, considerable loss reduction, improvement in voltage profile in the concerned substations along with an improvement in loading of the transmission assets are observed. Considering the enhancement in security and reliability of power supply in the concerned area expected on materialization of the proposed scheme, upgradation of 66kV substation is recommended.

As the project is financially viable , the Financial Advisor has also recommended the proposal. The sanction has already been issued to upgrade the main line and line to the substation to 110kV and hence this upgradation of the substation is inevitable.

The DPR Committee held on 15.01.2020 approved the proposal after detailed deliberations.

An amount of 10.50 Crore has been provided under Capital work under Transmission Circle, Poovanthuruthu in FY 2019-20 for upgradation of 66kV Substation Gandhinagar to 110kV

The matter was placed before the Full Time Directors as per note read as 2nd above .

Having considered the above, the Full Time Directors in the meeting held on 26.03.2020,

Resolved to accord Administrative Sanction for an amount of Rs.10.50 Crore (Rupees 10 Crore and 50 lakhs only) for the upgradation of 66kV Substation Gandhinagar to 110kV under Transmission Circle , Poovanthuruthu.

Orders are issued accordingly.

By order of the Full Time Directors,

Sd/-
Lekha G.

Company Secretary (In- Charge),

To,
The Chief Engineer (Transmission South).

Copy to:

The Deputy Chief Engineer, Transmission Circle , Poovanthuruthu
The Deputy Chief Engineer (IT)
The Financial Adviser/ The Chief Internal Auditor/ The RAO/ RAO.
The TA to Chairman & MD/ D(T,SO&S)/D(D, IT&HRM)/D(G-C)/ D(G-E&SCM)
The PA to Director (Finance)/CA to Company Secretary
Fair Copy Superintendent/Library/Stock File.

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Assistant Executive Engineer

**Annexure to BO No. B.O(FTD)No.261/2020/D(T,SO&S)/T2/PVTH/Gandhinagar
SS/upgradation/2019-20 Dated TvpM 01.04.2020**

ABSTRACT ESTIMATE		
Name of work : Upgradation of 66kV Substation Gandhinagar to 110kV		
Sl No	Description	Amount (Lakhs)
1	Cost of materials, A	540.366
2	Erection & Commissioning, B=7.5% of A	40.527
3	Transportation , Insurance and contingencies, C=6% of A	33.415
4	Civil works and special works like SCADA etc if any, D	259.480
5	Sub Total, E=A+B+C+D	872.795
6	Overhead/ Supervision charges, F=10% of E	87.280
	Total	960.075
	Provision for GST	75.548
	Unforeseen Items	14.378
	Grand Total	1050.000
	(Rupees Ten Crore Thirty Lakh Only)	

Forwarded /By Order


Assistant Executive Engineer