



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vydyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

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ABSTRACT

Capacity enhancement and 110kV bus extension at 110kV Substation, Kanjikode -
Administrative Sanction accorded - Orders issued

Corporate Office (SBU-T)

BO (FTD) No. 7272C22(DIRTSO-AE1/2022/1720)

Thiruvananthapuram, Dated: 26.08.2022

Read: 1. Letter No. CE/TRN/E6/110kV SS Kanjikode-DPR/2022-23/2021-22 dated 31.5.2022
of the Chief Engineer (Trans. North)
2. Note No. DIRTSO-AE6/2022/1720/ 2022-23/146 dated 04.08.2022 of the
Director (T,SO,P&S) to the Full Time Directors (Agenda Item No 51/8/22)

ORDER

The 110 kV Substation, Karikode is one of the oldest substations of KSEBL located in the industrial area of Karikode, Palakkad district. The installed capacity of this Substation is 166 MVA. Requests from many consumers for additional power demand at various voltage levels cannot be met from this Substation at present due to non availability of 110 kV bays and the present arrangement of various voltage level bays. Hence, the Chief Engineer (Trans. North) submitted a proposal to enhance the power transfer capacity at various voltage levels and to rearrange the existing yard layout and control room before the DPR Approval Committee held on 6.7.2022, which was approved by the Committee.

The proposal envisages the following works:

1. Construction of 110kV double bus arrangement
2. Construction of new control room, earth mat etc.
3. Construction of two 110kV feeder bays, four 110kV transformer bays and a 110kV bus coupler bay
4. Replacement of 63/22kV, 2x10 MVA transformers with 110/22kV, 2x20 MVA transformers
5. Replacement of 63/11 kV, 2x10 MVA transformers with 110/11 kV 2x20 MVA transformers
6. Implementation of Substation Automation System using Bay Control Unit
7. Installation of 200AH battery, battery charger, LT AC panel & control kiosk for HMI station.

The Chief Engineer (Transmission North), as per letter read as 1st above, requested administrative sanction for the proposal for an amount of Rs.23.6 Crores. The estimate is prepared based on the approved Transmission Cost Data 2019-20 and DSR 2018. For items with no approved data market value is taken and for items like container kiosks with BCU for SAS, rates are taken from budgetary offers.

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

Having considered the matter in detail, the Full Time Directors in the meeting held on 12.09.2022, resolved to accord Administrative Sanction for an estimate amounting to Rs.23.6 crores (Rupees twenty three crores and sixty lakh only) for the work "Capacity enhancement, 110kV bus extension and implementation of Substation Automation System at 110kV substation, Kanjikode" under Transmission Circle, Palakkad.

Orders are issued accordingly.

**By Order of the
Full Time Directors**



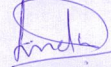
**LEKHA G
Company Secretary**

To:

The Chief Engineer (Transmission North)

- Copy to: 1. The Chief Engineer (IT)/ Financial Adviser/ Chief Internal Auditor
2. The Deputy Chief Engineer, Transmission Circle, Palakkad
3. The TAs to CMD/ D(T,SO,P&S)/ D(D,IT&SCM)/ D(G-C)/ D(G-E)/ D(REES,S,S&W)
4. The PA to Director (Fin & HRM)
5. The CA to Company Secretary
6. The Senior CA to Secretary(Administration)
7. Stock File

Forwarded / By Order



Assistant Engineer