



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vydyuthi Bhavanam, Pattom,

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ABSTRACT

Interlinking 110kV Sub-station, Perinad with 110kV Substation, Kavanad by laying 9.5km of 3 runs of 630Sq.mm 110kV UG cable & 0.35km OH line for Lake Crossing under Transmission Circle, Kottarakkara - Administrative Sanction issued.

Corporate Office (SBU-T)

BO (FTD)No.769/2022(D(T,SO,P&S)/T2/Perinad-Kavand Thiruvananthapuram, Dated: 15.09.2022
Interlinking/2022-23)

- Read: 1. Letter No. D(T&S)/PSE/PERINAD-KAVANAD INTERLINKING/2022-23/21 dated 07.05.2022 of the EE, PSE Wing.
2. Letter No. F&T tender-II/66/2021 dated 07.12.2021 of the Financial Advisor, KSEBL.
3. Minutes of Meeting of the DPR Committee held on 18.05.2022.
4. Note No. CE(TS)/AE5/2022/1740(1)/802 dated 05.08.2022 of the Chief Engineer (Trans. South).
5. Note No. D(T,SO,P&S)/T2/Perinad-Kavanad Interlinking/2022-23/152 dated 21.08.2022 of the Director (Transmission, System Operation, Planning & Safety) to the Full Time Directors. (Agenda 115/8/22).

ORDER

The Chief Engineer (Transmission South), as per note read as 4th above, have submitted the estimate amounting to Rs.32 Crore for the work of Interlinking 110kV Substation, Perinad to 110kV Substation, Kavanad by laying 9.5km 3 runs of 630sq.mm 110kV XLPE Aluminium UG cable and 0.35km OH line for lake crossing, under Transmission Circle, Kottarakkara.

The project consist of the following works:

PART A: Laying 9.5km of 3 runs of 1x630Sq.mm 110kV XLPE Aluminium UG cable and constructing 0.35km of SC OH line using moose conductor for lake crossing.

PART B: Constructing one 110kV feeder bay at Perinad Substation

PART C: Constructing one 110kV feeder bay at Kavand Substation

The project aims to provide another source to 110kV Substation, Perinad in addition to the existing source from 220kV Substation, Kundara, formation of a ring system by interconnecting 220kV Substation, Kundara and 110kV Substations, Perinad, Kavanad, Chavara and Sasthamcotta, improve the voltage profile of the substations in the area, reduce the peak load system losses and improve the system security and reliability, since supply from 220kV Substation, Edappon can also be availed at 110kV Substation,

Perinad, once the project is commissioned.

Based on the Load Flow Analysis, the proposal was recommended by the Power System Engineering Wing as per letter read as 1st above. The Financial Advisor has remarked that the project is financially viable and recommended the proposal as per letter read as 2nd above.

The proposal was approved by the DPR Committee meeting held on 18.05.2022 as per the Minutes of the Meeting read as 3rd above. The Internal Rate of Return for the project is 11.42% and the Net Present Value is Rs.7.14 Crore.

In view of the above, the Chief Engineer (Transmission South), as per note read as 4th above, requested sanction for the estimate amounting to Rs.32 Crore (Rupees Thirty Two Crore Only) for the work of Interlinking 110kV Substation, Perinad to 110kV Substation, Kavanad by laying 9.5km 3 runs of 630sq.mm 110kV XLPE Aluminium UG cable and 0.35km OH line for lake crossing, The abstract of the estimate is as follows.

Sl.No.	Particulars	Amount in Lakh
1.	Interlinking 110kV Substation Perinad to 110kV Substation, Kavanad by laying 9.5km of 3 runs of 1x630Sq.mm XLPE UG cable and 0.35km of OH line for lake crossing.	2950.00
2.	Constructing new 110kV Feeder Bay at 110kV Substation, Perinad	125.00
3.	Constructing new 110kV Feeder Bay at 110kV Substation, Kavanad.	125.00
TOTAL		3200.00
(RUPEES THREE THOUSAND TWO HUNDRED LAKH ONLY)		

The estimate is prepared based on the latest Cost Data dated 26.04.2022 and labour data as per DSR 2018 and the rates for XLPE UG Cable, terminations and OFC cable are as per the purchase rates of the respective items in the Kollam – Kcttiyam Interlinking Work under Transmission Circle, Kottarakkara.

The expenditure for the work can be met from the budget provision for Capital works under Transmission Circle, Kottarakkara for the year 2022-23.

The matter was placed before the Full Time Directors for Administrative Sanction as per note read as 5th above.

Having considered the matter in detail, the Full Time Directors, in the meeting held on 31.08.2022,

Resolved to accord administrative sanction to the work "Interlinking 110kV Substation, Perinad to 110kV Substation, Kavanad by laying 9.5km 3 runs of 630Sq.mm 110kV XLPE Aluminium UG cable & 0.35km OH line for lake crossing" for an amount of Rs.32 Crore (Rupees Thirty Two Crore Only) under Transmission Circle, Kottarakkara.

Orders are issued accordingly.

**By Order of the
Full Time Directors**

Sd/-

**LEKHA G
Company Secretary**

To:

The Chief Engineer (Transmission South)

Copy to: The Financial Adviser/ Chief Internal Auditor/ Company Secretary

The Deputy Chief Engineer, Transmission Circle, Kottarakkara

The FCAO/ RAO.

The TA to Chairman & MD/ D(T&SO,P&S)/ D(D,IT&SCM)/ D(G-C)/ D(G-E)/
D(REES,S,N,S&W)

The FA to D(F&HRM)

Stock File.

Approved For Issue

[Signature]

Assistant Executive Engineer