



## 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 66 kV Substation, Palode to 110 kV with 2 nos. of 110 kV feeder bays and installation of 2 nos. 12.5 MVA 110 / 11 kV transformers and upgrading 9.93 km of Attingal – Palode 66 kV SC feeder (portion from Mithrumala to Palode Substation) to 110 kV DC feeder -  
Sanction accorded – orders issued .

### Corporate Office (SBU-T)

B.O.(FTD)No. 216 /2020/(D(T&SO&S/T1/Palode))/ Thiruvananthapuram dated 19.03.2020

- Read: 1. Letter No.CE(TS)/EE2/AEEI /Palode DPR /19-20/2629 dated 05.02.2020 of the Chief Engineer(TS)
2. Note No.D(T&SO)//T1/Palode /2019-20/131 dt. 10.03.2020 of the Director(T,SO&S) (Agenda item No. 43/3/2020).

### ORDER

The Chief Engineer (Transmission-South) as per paper read (1) had forwarded, a revised estimate amounting to ₹16.53 Crore (Rupees Sixteen Crore Fifty three Lakh only) for the upgradation of 66 kV Substation, Palode to 110 kV with 2 nos. of 110 kV feeder bays and installation of 2 nos. 12.5 MVA 110 / 11 kV transformers and upgrading 9.93 km of SC 66 kV feeder from Mithrumala to Palode to 110 kV DC feeder by LILLO ing the existing 110KV Edamon -Paruthippara No.2 feeder at Mithrumala where the existing 66 kV Attingal - Palode SC feeder and 110 kV Edamon -Paruthippara DC feeder crosses each other.

The 66 kV Substation, Palode was constructed in 1980 with feeding from 110 kV Substation, Attingal through a single circuit feeder without breaker control at Palode end. ALIND make 66 kV MOCB with gang operation is used for both 10 MVA and 5 MVA existing 66/11 kV transformers.

The 66 kV Attingal – Palode SC feeder is crossing 110 kV Edamon – Paruthippara (EMPP) feeder between locations 92 and 93. In order to get 110 kV supply to Palode Substation, it is proposed to cut 110 kV EMPP feeder and make a LILLO arrangement at Mithrumala and to upgrade a portion of the existing 66 kV Attingal – Palode feeder (from Mithrumala to Palode) to 110 kV.

The proposal includes the works-

- Upgradation of a portion of 66 kV Attingal – Palode feeder ie from Mithrumala to Palode Substation for a length of 9.93 km.
- Upgradation of 66 kV Substation, Palode to 110 kV with 2 nos. of 110 kV feeder bays and installation of 2 nos. 12.5 MVA 110 / 11 kV transformers.
- Dismantling of existing 66 kV Substation.

The DPR Committee held on 26.11.2019 approved the proposal. The original estimate ₹14.10 estimate was further revised ₹ 16.53 Crore based on latest material cost and including the supervision charges (Annexure attached).

The matter was placed before the Full Time Directors's meeting held on 12.03.2020 as per note read above. Having considered the matter in detail, board

Resolved to accord sanction for an estimate amounting to ₹16.53 Crore ( Rupees Sixteen Crore and Fifty Three lakh only ) for the upgradation of 66 kV Substation, Palode to 110 kV with 2 nos. of 110 kV feeder bays and installation of 2 nos. 12.5 MVA ,110 / 11 kV transformers and upgrading 9.93 km of Attingal – Palode 66 kV SC feeder (portion from Mithrumala to Palode Substation) to 110 kV DC feeder.

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 Thiruvananthapuram

The Financial Adviser/ The Chief Internal Auditor/ The Company Secretary

The RCAO/ RAO.

The TA to Chairman & MD/ D(T,SO&S)/ D(D,IT&HRM)/ D(G-C)/ D(G-E& SCM), PA to D(F)

Fair Copy Superintendent/Library/Stock File.

Forwarded / By Order

  
Assistant Executive Engineer

Annexure to B.O.(FTD)No. 216 /2020/D(T&amp;SO&amp;S/T1/Palode / Thiruvananthapuram dated 19.03.2020

## ABSTRACT OF THE PROJECT COST

Sl No	Particulars	Amount (Rs) (Including GST)
A	Estimate for up gradation of the existing 66kV Substation Palode to 110kV with 2Nos of 12.5MVA, 110/11kV Transformers	98700000
B	Estimate for up gradation of the existing 66kV SC line into 110kV DC line from Mithrumala to Palode Substation (9.93Km)	66600000
	<b>Total</b>	<b>165300000</b>