

## KERALA STATE ELECTRICITY BOARD LIMITED

*(Incorporated under the Indian Companies Act, 1956)*

Office of the Assistant Executive Engineer,

Transmission Sub Division, Nedumangad

110kV Substation Compound, Kulavikkonam,

Nedumangad, Kerala 695 541.

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### JUSTIFICATION FOR LOCATION OF THE PROJECT IN FOREST AREA

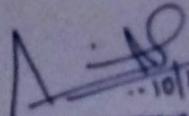
This project envisages upgrading of existing 66kV Attingal - Palode Single circuit feeder from Mithirmala (where the existing 66kV Attingal - Palode SC feeder and 110kV Edamon- Paruthippara DC feeder crosses each other) to Palode to 110kV DC by LILO arrangement in existing EMPP 110 kV feeder. The stretch of line is 9.93 KM.

The Electrical supply to the north east region Grama Panchayath such as Nanniyodu, Peringammala, Pangode, Vithura, Chithara, Anad and Kallara of Thiruvananthapuram district depend on three substations viz 66kV substation Palode and 33kV substations Chullimanoor and Vithura. Whole these are radial substation having no redundant source of supply. 66kV Substation Palode commissioned during 1980 and having a present capacity of 1 number 10MVA and 1 number 5MVA transformer. The Substation is presently feeding seven numbers of outgoing 11kV distribution feeders including two numbers dedicated feeders and one number generation feeder for meenmutty power house. Power feeding areas under Palode substation are being developed industrially, commercially and residentially at remarkable rate. Palode Substation is the least reliable station in transmission network at Thiruvananthapuram due to its feeder end substation status with single circuit line.

The project is expected to facilitate the development and meet future demand in north east region of Thiruvananthapuram district and improve the reliability of supply to the customers in this region.

The project authority will be KSEBL which is a Kerala Government organisation.



  
10/11/2010  
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