



**KERALA STATE ELECTRICITY BOARD Ltd**

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004

CIN: U40100KL2011SGC027424

Web: www.kseb.in

Phone :+91-471 2514576, 2446885, 9446008884

Email :dtksebl@ksebl.in

**ABSTRACT**

Construction of a new 110kV Substation at Keezhillam including upgradation of 7.9km 66kV DC line from Odakkali Substation & construction of 0.8km new 110kV line and construction of 33kV interlinking line between 110kV substation Keezhillam and 33kV Substation, Vengola– Administrative Sanction accorded - Orders issued

Office Order (DTSO) No.1024/2024

Dated:03-07-2024

[D(T,SO&P)/T3/Keezhillam/2024-25] Thiruvananthapuram.

- Read: 1. Minutes of the DPR Committee meeting held on 27.09.2023  
 2. Letter No. D(T&SO)/PSE/NP/Keezhillam dated 02.06.2022 of the Executive Engineer (Power System Engineering)  
 3. Letter No. FA/Tender 2/47/2023 dated 29.07.2023 of Financial Adviser  
 4. Note No. CETS/AE7/Keezhillam/2023-24/157 dated 12.02.2024 of the Chief Engineer (Transmission South)  
 5. Note No. D(T,SO&P)/T3/TDPZA/I/32358/2024 dated 03-04-2024 of the Director (T,SO&P)

**ORDER**

The Chief Engineer (Transmission South), as per note read as 4<sup>th</sup> above, submitted an estimate amounting to Rs.30.3 Crore for the construction of a new 110kV Substation at Keezhillam including upgradation of 7.9km 66kV DC line from Odakkali Substation and construction of 0.8km new 110kV line and construction of 33kV interlinking line between 110kV substation Keezhillam and 33kV Substation, Vengola, under Transmission Circle, Thodupuzha.

The proposed substation will provide redundancy for the 11kV feeders from neighbouring substations such as 110kV Substation Perumbvoor, 110kV Substation Muvattupuzha, 110kV Substation Rayonpuram, 33kV Substation Vengola, 33kV Substation Mazhuvannoor and 33kV Substation Kuruppampady and will help reduce the rate of interruption. It will also help meet the future power demand in the area, improve the reliability of supply and increase the sale of power by improving the availability of feeders and providing additional capacity of transformers. It will also create an alternate 33kV voltage source for the nearby 33kV Substations.

The Load Flow study conducted has technically recommended the proposal, vide letter read as 2<sup>nd</sup> above. Financial Advisor recommended the proposal as per letter read as 3<sup>rd</sup> above, as the project is financially viable. The DPR Committee meeting held on 27.09.2023 approved the proposal subject to the conditions that provision for communication room/equipments and construction of 33 kV line to nearby substations for redundancy shall be included in the estimate. It was also suggested that only one 110/33kV, 16MVA transformer need be installed at present.

Accordingly, the estimate is revised based on the latest Transmission Cost data and labour data and incorporating the above suggestions, and the Chief Engineer (Transmission South) requested sanction for the estimate amounting to Rs.30.30 Crore for the work. The abstract of the estimate is attached as Annexure. Expenditure for the work can be met from the provision made in the Budget for the year 2024-25 and subsequent years.

Having considered the matter in detail, Administrative Sanction is hereby accorded for the work "Construction of a new 110kV Substation at Keezhillam including upgradation of 7.9km 66kV DC line from Odakkali Substation, construction of 0.8km new 110kV DC line and construction of 33kV interlinking line between 110kV substation Keezhillam and 33kV Substation, Vengola" under Transmission Circle, Thodupuzha at an estimated amount of Rs.30.30 Crore (Rupees Thirty Crore Thirty Lakh only).

Orders are issued accordingly.

By Order of the  
Chairman & Managing Director

*Sd/-*

SABITHA S  
SECRETARY

To:  
The Chief Engineer (Transmission South)

Copy to:  
Chief Engineer (IT, CR & CAPs) for publishing in the website  
Financial Adviser/ Chief Internal Auditor

1/54722/2024

Deputy Chief Engineer, Transmission Circle, Thodupuzha  
TAs to Chairman & Managing Director/ Director (Transmission, SO &  
Planning)/ Director (Distribution, Safety, SCM & IT)  
PA to Director (Finance & HRM)  
CA to Secretary (Administration)  
Stock File

Forwarded / By Order

  
Assistant Engineer