



# KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

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## ABSTRACT

Optimization of manpower at Pallivasal - reassigning the operation and maintenance of 220kV and 33kV substations at Pallivasal - Sanction accorded - Orders issued.

### **Corporate Office (SBU-G/E)**

BO (FTD)No.306/2023(DGE/G3/Pallivasal 220kV) / 45

Thiruvananthapuram, Dated: 15.06.2023

Read: 1. Office Order (DGE) No.569/2022(DGE/G3/Pallivasal 220kV) dated 28.04.2022.  
2. Letter No.DB-06/PVL/23-24/212 dated 25.05.2023 of the Deputy Chief Engineer, Generation Circle, Meencut.  
3. Note No. DGE/G3/Pallivasal 220kV /2023-24 /29 dated 30.05.2023 of the Director (Generation-Electrical) to the Full Time Directors(Agenda item No.25/6/23).

## ORDER

The operation of the 37.5 MW Pallivasal HEP, having 6 generators, six 11/66kV GTs, three 10MVA,66/11 kV Transformers, three outgoing 66kV feeders and 11 numbers of 11kV feeders is being managed by operator (Assistant Engineer) and two junior operators (diploma holder). The Power house is under Generation Sub Division, Chithirapuram and the maintenance activities of the station is done by two Assistant Engineers (SEO and SHO), one sub Engineer and 9 maintenance crew. In addition to the maintenance of generation assets at Pallivasal, the maintenance of RA Headworks, Madupetty power House and Sengulam Pump house are also under the control of the Sub Division. Upper Kallar SHEP will also be handed over soon to this Sub division.

Presently the newly commissioned Pallivasal 220kV substation and 33kV substation in the same compound and the 66kV switchyard extension of the old Pallivasal powerhouse are under Transmission wing. In shift operations, one Junior Operator (on contract) is posted in the control room at 220kV substation and one Junior Operator (on contract) in the control room of the 33kV substation in the same compound near the old Pallivasal powerhouse yard. Maintenance of the 220kV substation is presently attended by the Transmission wing through Transmission Subdivision, Chithirapuram with one Assistant Engineer holding charge in addition to his original charge of TC Section, Marayoor and all maintenance works are carried out by outsourcing the manpower on contract basis.

In order to optimise the manpower utilisation at the station it is suggested to attach the 220kV and 33kV substations to the Pallivasal Powerhouse switchyard similar to other generating stations, it was also suggested to form a new Switchyard mace Section at Pallivasal and to entrust the Operation of the entire switchyard to the powerhouse control room. The present shift crew at 220kV substation and 33kV substation can be dispensed with. For this, the operation control of 33kV substation is to be extended to the powerhouse control room through SAS integration.

Considering the above and the requirement of a permanent maintenance crew at 220kV switchyard, it is proposed to form one Switchyard Maintenance Section at Pallivasal with one Assistant Engineer (Electrical) and one Sub Engineer (Electrical). The place of Assistant Engineer (Electrical), TC Section, Marayoor, who is currently in charge of the Pallivasal 220kV substation, and the place of one Sub Engineer vacated from the present shift crew at 220kV and 33kV switchyards can be utilized for this purpose. The works needed for facilitating remote operation of the 33kV substation from the Pallivasal powerhouse control room can be entrusted with the

*Protection Sub Division, Moolamattom*

The matter was placed before the Full Time Directors as per the note read as 3<sup>rd</sup> above.

Having considered the matter in detail, the Full Time Directors meeting held on 06.06.2023 resolved to take over the newly commissioned Pallivasal 220kV Substation including 33kV substation, presently under the custody of Transmission wing by Generation - Electrical wing and to entrust the operation of the 220kV switchyard and 33kV switchyard to the operator of the Pallivasal Power Station.

Further resolved to form a new Switch Yard Maintenance Section under Generation Sub Division, Chithirapuram, for carrying out the maintenance of the entire 220kV switchyard including 33kV yard and 66kV yard of the old powerhouse, with one Assistant Engineer (Electrical) and one Sub Engineer (Electrical) by deploying the place of Assistant Engineer, TC Section, Marayoor and one Sub Engineer place from the existing Junior Operator places of 220 kV and 33 kV substations.

Further resolved to deploy the excess remaining places elsewhere.

Orders are issued accordingly.

**By Order of the  
Full Time Directors**



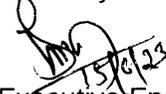
**LEKHA G  
Company Secretary**

To:

The Chief Engineer (Generation), Moolamattom.

Copy to: The Financial Adviser/ LA&DEO/ Chief Internal Auditor/ Company Secretary  
The Deputy Chief Engineer, Generation Circle, Meencut.  
The TA to the Chairman & Managing Director / Director (Generation-Civil) / Director (Distribution, Safety, SCM & IT) / Director (Transmission, SO & Planning)/ Director Generation (Electrical, REES, SOURA, Sports & Welfare)  
The PA to the Director (Finance & HRM)  
The Sr.CA to the Secretary (Administration)  
The RCAO/ RAO  
Stock File.

Forwarded / By Order



Assistant Executive Engineer