


KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

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

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ABSTRACT

Power crisis - Efforts to manage peak demand - Proposal for running two diesel generator units of KDPP for 3 hours in a day during May 2024 - Procuring fuel for running the units for 5 days - Sanctioned – Orders issued

Corporate Office (SBU-T)

B.O. (FTD) No.216 /2024 [(T&SO)/T4/Power Crisis/2024-25] Thiruvananthapuram

Dated: 10-05-2024

- Read : 1. Letter No. CESO/AEELD1/Operations/2024-25/251 dated 04.05.2024 of the Chief Engineer (Transmission System Operation).
2. Letter No. CESO/AEELD1/Operations/2024-25/257 dated 04.05.2024 of the Chief Engineer (Transmission System Operation).
3. Meeting convened by the Director (T,SO&P) on 06.05.2024.
4. Note No. D(T&SO)/T4/2024/I/39339/2024 dated 07.05.2024 of the Director (Transmission, System Operation & Planning) to the Full Time Directors (Agenda No :22-5/2024)

ORDER

The Chief Engineer (Transmission System Operation) has reported, as per the letters read as 1st & 2nd above, that generation support from KDPP during peak hours is essential for managing the peak time demand during May 2024 and to mitigate the transmission constraints experienced in Northern Kerala and the overloading of 220kV Madakkathara - Shornur feeder.

The Chief Engineer reported that two units of KDPP were operated for about 3 hours during the last 5 days using the available fuel stock and the total generation as on 03.05.2024 is 1.3MU. The remaining fuel stock is only 60KL (as on 04.05.2024) and with this stock only 0.3 MU generation is possible. The average daily generation is around 0.06MU, and is limited to the second peak period only. With this generation pattern, the fuel stock will last for only 4 to 5 days.

The Chief Engineer (Transmission System Operation) suggested to continue generation from KDPP till May end for supporting the system and to mitigate the transmission constraints experienced in Northern Kerala and also the overloading of 220kV Madakkathara-Shornur feeder. The support of 24MW from KDPP during the second peak period is relieving the load on 220kV Madakkathara-Shornur feeder to manageable levels.

In the meeting convened by the Director (Transmission, System Operation & Planning) with the Director (Generation - Electrical), Chief Engineer (Transmission System

Operation) and Chief Engineer (Generation) on 06.05.2024, the Executive Engineer (Dam Safety) reported that though moderate rainfall is predicted in the northern parts upto 17th May, South West monsoon is expected to strengthen only by 17th June.

The Chief Engineer (Transmission System Operation) reported that with the generation support from KDPP, a voltage improvement of 9kV is experienced in 220kV Malaparamba bus and hence recommended to keep fuel for at least 4-5 days, as spare, till 14th June for meeting any emergency requirements.

Hence, it was suggested in the meeting to direct the Generation wing to procure minimum quantity of fuel for running two units of KDPP (24 MW) for 3 hours, during peak period at least for 4-5 days for meeting the emergency requirements, even though the average generation cost comes to Rs.19/- per unit.

The matter was also discussed in the meeting convened by the Chief Secretary on 06.05.2024 to review the power position of the State, and it was suggested to schedule generation from KDPP units for providing support to the system.

The matter was circulated among the Full Time directors as per note read as 4th above.

Having considered the matter in detail, the Full Time Directors resolved to accord sanction to continue generation from two units of KDPP (24MW) for 3 hours during the peak period during May 2024 for providing generation support to Northern grid and to mitigate the transmission constraints experienced in Northern Kerala.

Further resolved to authorize the Chief Engineer (Generation) to arrange procurement of minimum quantity of fuel for running the units at least for a period of 4-5 days on urgent basis.

Orders are issued accordingly.

By Order of the Full Time Directors

Sd/

LEKHA G
COMPANY SECRETARY

To:

The Chief Engineer (Generation)
The Chief Engineer (Transmission System Operation)

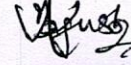
Copy to:

The Financial Advisor/ Chief Internal Auditor/Chief Engineer (IT,CR&CAPs)
The Deputy Chief Engineer, Generation Circle, Kozhikode
The TAs to Chairman & Managing Director / Director (Distribution, Safety & SCM) /Director (Transmission,SO & Planning)/ Director (Generation - Electrical, REES, SOURA, Sports & Welfare)/ Director (Generation – Civil)

/2024

The PA to Director (Finance & HRM)
The CAs to Company Secretary/ Secretary (Administration)
Stock File

Forwarded / By Order



Assistant Executive Engineer