



# KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

CIN: U40100KL2011SGC027424

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## Abstract

Sholayar HEP- Annual Maintenance of U#1 generator - Total shutdown from 01.02.2023 to 20.02.2023-  
Sanction accorded - Orders issued.

## Corporate Office (SBU-G/E)

B.O.(FTD) No. 42 /2023 (DGE/G3/ Sholayar SD /2022-23 ) Thiruvananthapuram dated: 01 -02-2023

- Read:-
1. Letter No. CEG/AEE3/SLR/Shutdown of U#1/2022-23/1507 dated:24-01-2023 of the Chief Engineer (Generation)
  2. Note No. DGE/G3/ Sholayar SD /2022-23 /166 dated:25-01-2023 of the Director (Gen.- Ele.&HRM) (Agenda item No.47/1/23).

## ORDER

The Chief Engineer (Generation & PED), as per letter read as 1<sup>st</sup> above has requested sanction for the total shutdown of U#1 generator at Sholayar HEP from 01.02.2023 to 20.02.2023, for carrying out annual maintenance works. The Renovation and modernization of Sholayar HEP was carried out by M/s. FEPL-FUYUAN Consortium for the three machines each with 18 MW capacity and the machines are under defect liability period. The U#3 machine of Sholayar HEP was taken for annual maintenance from 28.05.2022 and the machine is under shut down from then due to runner blade breakage and insulation failure. The machine is now under forced shut down

The Annual maintenance of U#1 was last done from 28.07.2021 to 20.08.2021 and was scheduled to carry out the annual maintenance from 01.08.2022 to 31.08.2022. But, due to the outage of U#3, the annual maintenance of U#1 could not be carried out as scheduled. As per the standards and prevailing practices, the annual maintenance of the machines are to be carried out in every year. As the machine is in the defect liability period any fault occurring due to the delay in carrying out the annual maintenance may affect the guarantee. Based on the experience faced in U#3, the condition of U#1 need to be inspected and necessary works are to be carried out urgently. Therefore, it is proposed to avail shut down from 01.02.2023 to 20.02.2023 for annual maintenance, by considering the following issues which needs to be addressed.

- **Power Shortage of 18 MW** ie 18 x24 =0.4 MU per day energy shortage during the shutdown period. By purchasing power or scheduling any other generation the issue of shortage of power can be tackled.
- **PAP Agreement:** Due to the prolonged outage of U#3, the generation of 132 MU could only be achieved as on 20.01.2023. By rescheduling the maximum generation of the available machines for the remaining water year the maximum generation can be achieved.
- **Water release in Chalakudy river:** With one machine running for 20 days at Sholayar HEP the quantity of water releasing to Sholayar river will be affected. By properly scheduling the generation at Poringal HEP, the water level in Chalakudy river can be maintained at the requisite level.

The matter was placed before the Full Time Directors as per note read as 2<sup>nd</sup> above.

Having considered the matter in detail, the Full Time Directors meeting held on 25-01-2023 resolved to accord sanction for the shutdown of U#1 Generator at Sholayar HEP w.e.from 01.02.2023 to 20.02.2023 for carrying out the annual maintenance works.

Further resolved to carry out the work at the earliest by deploying experienced officers and work men to get the work done in 2/3 shifts.

Further resolved to submit a proposal to effectively handle such contingency situation so that in future there will be no time lag due to delegation of power.

Orders are issued accordingly.

By Order of the Full Time Directors,

Sd/-  
(LEKHA.G)  
Company Secretary

To: The Chief Engineer (Generation), Moolamattom.

Copy to:

The Financial Adviser  
The Chief Internal Auditor/Company Secretary  
The Deputy Chief Engineer, Generation Circle, Thrissur  
The TA to CMD/D(GE&HRM)/ D(T,SO,P&S)/ D(D,SCM&IT)/D(GC)/D(RSNS&W)/PA to D(F)  
The Fair copy Superintendent/Library/Stock File

Forwarded /By Order