



# KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under Companies Act, 1956 )

CIN: U40100KL2011SGC027424

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695004 Website: www.kseb.in

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## Abstract

Refurbishment of unit#3 of Poringalkuthu Power Station-excess vibration caused by Deluge in 2018 – Sanctioned–Orders issued.

## Corporate Office (SBU-G/E)

B.O .(FTD) No.711 /2019 (DGE/ G3/Poringal-rehabilitation /2019-20) Thiruvananthapuram dated: 23-09-2019

- Read:-
1. Letter No.CEG/AEE-VI/PGL-rehabilitation-2018/2019-20/843 dated 24-08-2019 of the Chief Engineer (Generation & PED) ,Moolamattom.
  2. Note No.DGE/G3/Poringal-rehabilitation/2019-20 dated:17-09-2019 of the Director(GE& SCM) ( Agenda Item No.29/9/19)

## ORDER

The (4x9MW) Poringalkuthu HEP was almost completely damaged in the deluge in 2018 and accumulation of mud water along with sand and debris in the power house caused considerable damages to the machines and associated equipment. The machine floor, Turbine floor, MIV,PLC panels of MIV and Governor servo units and the Electronic cards were completely submerged in mud and water and the power generation was not possible without removal of those obstructions and rectification of the damaged components.

Subsequently, rehabilitation works were scheduled and completed on war footing by constituting a team including KSEBL employees and contract workers. Even though the machines were put back in service, as scheduled,Unit#3 was put under forced shutdown from 19-12-2018 ,for the rectification of excess vibration problem. It is reported that during flooding of turbine floor on 16-08-2018, both AC and DC supply systems were failed and unit#3 had to run continuously for two days, without cooling system which might have led to the excessive vibration, due to overheating of bearings and other components of the machine.

In order to carry out the rectification of excess vibration problem of Unit#3 at Poringalkuthu Power House, the Chief Engineer (Generation & PED) has forwarded an estimate amounting to Rs.80 Lakh, as per letter read as 1<sup>st</sup> paper above and requested sanction for the same. The estimate was prepared based on the rock bottom offer, obtained from the OEM, M/s SSIPL. As the work is proposed to be carried out through the OEM, on single quotation basis, sanction was also requested for carrying out the subject work through the OEM, M/s SSIPL.

Having considered the recommendation in the Note read as 2<sup>nd</sup> paper above, the Full Time Directors meeting held on 18-09-2019, resolved to go for a short tender fixing minimum period of execution and maximum warranty for the replaced materials and work.

Orders are issued accordingly.

By Order of the Full Time Directors,

Sd/-

(LEKHA.G)

Company Secretary

(In -charge.)

To: The Chief Engineer (Generation& PED),Moolamattom.

Copy to:

- The Deputy Chief Engineer, Generation Circle, Thrissur
- The Financial Advisor/The Chief Internal Auditor,
- The TA to CMD/D(GE&SCM)/ D(TSO& safety)/ D(D-IT&HRM)/D(GC)
- The Fair copy Superintendent/Library/Stock File

Forwarded / By Order

Asst. Executive Engineer

DESPATCHEL

No. 192  
DATE 05.09.19