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# KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956) CIN: U40100KL2011SGC027424

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## Abstract

Proposal for converting and operating the existing plants at KDPP and BDPP into LNG stations or any mode of power generation by utilizing the existing infrastructure on lease- inviting Global tender –Sanctioned –Orders issued.

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

B.O (FTD) No. 578 /2021 (DGE/G1/General/2021-22) Thiruvananthapuram. Dated: 10 -08- 2021

- Read:
1. Letter No.DGE/G1/KDPP/Gas conversion/2021-22 dated 07-06-2021 of the Director (GE&SCM).
  2. B.O (FTD) No. 317/2020 (DGE/G3/Estt-BDPP/2020-21 dated 08-05-2020.
  3. Review meeting by the Chairman & Managing Director held on 29-07-2021.
  4. Note No.DGE/G1/General/2021-22 dated 02-08-2021 of the Director (GE&SCM) to the Full Time Directors as per Agenda item No. 55/8/21.

### ORDER

KDPP is a Thermal Power Plant having an installed capacity of 128 MW located at Nallalam of Kozhikode district which extends to an area of 26.8 acres of land in Beypore village of Kozhikode. The project started its commercial operation on 01-09-1999. 4629 MU of power have already been generated from KDPP so far. A Fuel Supply Agreement was executed with M/s BPCL on 30-01-1999 which expired in 2016. Also DG sets # 1 & 4 were decommissioned due to the failure of Crank pin and Alternator respectively in the year 2014. The last commercial operation in the plant was done during the months of December 2020 to February 2021. At present a bare minimum stock of fuel is only available at KDPP as the production of LSHS is completely stopped by the oil refineries in Kerala. The 6 Nos. of DG sets presently available at KDPP are in good working condition.

Subsequently, as per letter read as 1<sup>st</sup> above, the Deputy Chief Engineer, Generation Circle, Kozhikode was directed to contact M/s GAIL or NTPC to explore the feasibility of converting the existing alternators at KDPP into LNG based units. The Deputy Chief Engineer reported that even though M/s NTPC was contacted, the firm has not responded. Hence M/s Wartsila, the OEM of the DG sets at KDPP was enquired about the feasibility of converting the existing DG sets into LNG based units. The firm has expressed their willingness to convert the existing DG sets into Single Gas Fuel Engines without enhancing Alternator capacity and has submitted their proposal.

Similarly, 106.6 MW Brahmapuram Diesel Power Plant is situated in Kunnathunadu Taluk in Kochi extending up to 96.33 acres of land and consists of 5 generating unit of capacity 21.32 MW each, four of them were commissioned in the year 1997 and the fifth unit was commissioned during 1998. The plant uses diesel for engine start and stop functions and mainly the engine run on LSHS. The power from the plant is evacuated through the 220kV Sub Station. Among the five generating units, two were decommissioned during the year 2014 due to non-availability of critical spares, ageing of crank shaft and other mechanical complaints. The decommissioned machines were scrapped and presently only three units are available at the station.

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In the review meeting convened by the Chairman & Managing Director on 29-07-2021, it was directed to explore the feasibility of converting both KDPP & BDPP into LNG based plants so as to generate power within the State. With the commissioning of the GAIL project in India, the feasibility of converting the existing alternators at KDPP into LNG based power station, through external agencies also has to be explored. Similarly, converting the existing plant at BDPP also into LNG based station and power purchase through tariff based bidding, for meeting the power crisis is also under active consideration. The Global tenders to be invited for converting and operating both the plants with LNG as fuel or any mode of power generation and purchase of power through tariff based competitive bidding is proposed. The existing assets and infrastructure of KSEBL at both KDPP and BDPP could be fully utilized for the above purpose. The tariff arrived at, if found reasonable, shall be utilized by KSEBL for power procurement. Since tenders are invited through Expression of Interest, no financial implication is involved.

The matter was placed before the Full Time Directors as per Note read as 4<sup>th</sup> above.

Having considered the matter in detail, the Full Time Directors meeting held on 04-08-2021 resolved to accord sanction for the following.

1. To invite Global tenders for converting and operating the existing plants at KDPP and BDPP into LNG stations or any mode of power generation and purchase of power through tariff based competitive bidding by utilizing the existing infrastructure on lease.
2. To constitute a Committee with the following members for preparing tender documents for the same.

Chief Engineer (Generation & PED) (Chairman )

Chief Engineer (Commercial & Tariff)

Deputy Chief Engineer , Generation Circle, Kozhikode.

Deputy Chief Engineer, Generation Circle, Thrissur .

Executive Engineer-II , PED (Convener).

3. To entrust the Chief Engineer (Generation & PED) for inviting Global tender.

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.

All Committee Members.

The Deputy Chief Engineer, PED.

Copy to:

The Financial Advisor/ The Chief Internal Auditor/ The Company Secretary.

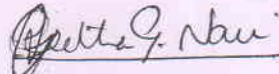
The Deputy Chief Engineer (IT)/ The RAO/ The RAO.

The TA to {Chairman & MD/ Director (GE&SCM)/ Director (GC)/ Director

(Trans. & SO )/ Director (D, IT&HRM) / Director (Planning, Safety & REES)}

The PA to Director (Finance).

Forwarded / By Order

  
Asst. Exe. Engineer