



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

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ABSTRACT

Poringalkuthu SHEP Stage II (1X24 MW-53.847 MU) - Administrative Sanction accorded - Orders issued.

Corporate Office (SBU-G/C)

BO (FTD)No.613/2022(DGC/AEE-IV/PORGL-III/2022)

Thiruvananthapuram,Dated: 16.07.2022

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- Read: 1.Note Nos. E(CI&CC)/Poringal II /2022-23 dated 27.05.2022&15.06.2022 of Chief Engineer (Civil-Investigation & Construction Central).
2. Remarks No. FA/Tender/50/2022 dated 09.06.2022 of the Financial Adviser.
3. Note No. DGC/AEE IV/PORGL-III/2022 dated 06.07.2022 of Director (Generation-Civil) to the Full Time Directors of KSEBL (Agenda 27/7/22).

ORDER

The proposed Poringalkuthu SHEP Stage-II (1x24MW) envisages utilization of the spill water from the existing Poringalkuthu reservoir with integrated operation of other Power Stations drawing water from the same reservoir viz., Poringalkuthu Left Bank Scheme (4x9MW), Poringalkuthu Left Bank Extension Scheme (1x16MW) and Poringalkuthu SHEP Stage-I (1x24MW). The scheme is located in Athirappally Panchayat, Mukundapuram Taluk of Thrissur District. The proposed scheme is an extension of Poringalkuthu SHEP Stage-I. Construction of Civil works up to bifurcation point of Penstock is common for Stage-I&II schemes. Hence Poringalkuthu SHEP Stage-II requires only construction of about 140 m of Penstock, Valve House, Power House & Tail Race Channel. Transmission network also is shared with Poringalkuthu SHEP Stage-I. The cost of infrastructural facilities is the barest minimum. The land demarcated for the scheme is in possession of KSEBL taken on lease from Forest department. Other infrastructure requirements such as roads, buildings etc. are also available.

The estimated cost of the project is ₹ 8014.13 lakh based on the DSR 2018, with a payback period of 3 years, levelized tariff over a life period of the project assumed at 40 years is ₹ 1.73/kWh. The NPV & IRR values are ₹ 38,954 lakh and 35.7% respectively. The financial indices of the scheme are very attractive. The annual energy available for 75% dependability is worked out as 53.847 Mu. Funding pattern considered for project implementation is debt: equity as 70:30 with a return on equity as 14%. The scheme shall be executed on contract basis by competitive bidding. The period of construction is 2 years.

The Financial Adviser as per note read as 2nd above has remarked that as per the financial parameters, the project seems to be financially viable and can be forwarded to

The Chief Engineer (C-I&CC) as per note dated 15.06.2022 has requested Administrative sanction for implementation of Poringalkuthu SHEP Stage-II (1x24MW) for a total Capital Cost of ₹8070.23 lakh (including IDC) at 2021 price level.

The matter of obtaining Administrative Sanction from Board along with sanction to take up the matter of obtaining A.S. from the Government was placed before the Full Time Directors as per the note read as 3rd above.

Having considered the matter in detail, the Full Time Directors in the meeting held on 07.07.2022, Resolved to accord Administrative Sanction for the implementation of Poringalkuthu SHEP Stage-II (1X24MW/ 53.847Mu) for a capital cost of ₹8070.23 lakh (including IDC) at 2021 price level . Further Resolved to take up the matter with the Government for sanction.

Orders are issued accordingly.

**By Order of the
Full Time Directors**

SAL -

**LEKHA G
Company Secretary**

To:

The Chief Engineer(Civil-Investigation & Construction Central).

Copy to: The Chief Internal Auditor/ Financial Adviser/ Chief Engineer (IT)/ Company

Secretary

The TA to Chairman&MD/Director (GC)/ Director (D&SCM) /Director (T,S.O, Plg & Safety) /Director (REES, NILAVU,SOURA,S&W)/Director (GE)

The PA to Director (Finance, IT &HRM)

The Legal Liaison Officer, KSE Board Ltd, Kochi

The RCAO/ RAO

Stock File

Forwarded / By Order

D. H. K. S.

Assistant Executive Engineer