



KERALA STATE ELECTRICITY BOARD LIMITED

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

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Abstract

Sabarigiri HEP - Feasibility study of 60MW additional generating unit – Formation of Technical Committee - Sanctioned - Orders issued.

Corporate Office (SBU-G/E)

B.O. (FTD) No. **560 /2020** (DGE/ GI/ Sabarigiri Unit #4/2020-21) Thiruvananthapuram. Dated: 04- 09 - 2020

- Read :- 1. Letter No.CEG/AE-2/SBG/Feasibility study 60MW/2020-21/655 dated 24.07.2020 of the Chief Engineer (Generation & PED) dated 24.07.2020.
2. Note No.DGE/G1/ Sabarigiri Unit #4/2020-21 dated 25-08-2020 of the Director (GE&SCM) to the Full Time Directors (Agenda item No.66 / 8 /20)

ORDER

The Chief Engineer(Gen& PED) as per letter read as 1st above reported that Sabarigiri Hydro Electric Power Station was commissioned in 1967 with a total capacity of 300MW (6x50MW). All the units were renovated and uprated by M/s. VA Tech Hydro in 2009 and the total capacity reached 340 MW (4*55+2*60).

The extension projects attached to higher capacity reservoirs seems the most viable solution as far as Kerala is concerned to meet the gap between Peak and off Peak demand. It is proposed to install an extension scheme for Sabarigiri HEP, the second largest power station in Kerala. Three Dams constitutes the reservoir of this Sabarigiri project, one across the river Pampa, other across its tributary Kakki, and a flanking dam for Kakki reservoir at Anathode.

Presently the Power tunnel is designed for 6 units of 340MW Generators. But for annual maintenance one generator will be regularly under shut down resulting only 5 machines for 6 months time and during this time the proposed generator can be used and more water utilization can be ensured.

During the meeting held on 08.06.2020 at the Circuit House, Moolamattom, it was decided to revamp the proposal for Sabarigiri extension scheme. The purpose of new scheme is to utilize the entire water of Pamba & Kakki Dams without spilling. In order to have a feasibility study, a technical committee is to be constituted.

The Chief Engineer (Generation&PED) , after discussion with electrical and civil wing , as per letter read as 1st above, nominated the members for the formation of technical committee.

The remarks of the Director (Gen- Civil) was obtained and it was suggested to proceed with the proposal and to constitute a technical committee for conducting feasibility study for the Sabarigiri extension scheme as follows.

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|--|------------|
| 1. The Chief Engineer (Gen & PED), Moolamattom | - Chairman |
| 2. The Chief Engineer(Civil – Investigation & Construction Central) | - Member |
| 3. The Deputy Chief Engineer, Dam Safety, R&DSO,Pallom | - Member |
| 4. The Deputy Chief Engineer,-Civil Design, O/o The CE (CCS) | - Member |
| 5. The Deputy Chief Engineer, PED | - Member |
| 6. The Executive Engineer, Generation Division, Moozhiyar | - Convenor |
| 7. The Executive Engineer, Dam Safety Division I, Kakkad | - Member |

8. The Executive Engineer, Investigation Division, Kottarakkara - Member
9. The Executive Engineer, Civil Designs, O/o The CE (CCS) - Member
10. The Executive Engineer, PED, Thiruvanthapuram - Member

The committee shall make a feasibility study and to submit a comprehensive report within two months based on the following Terms of Reference.

1. For the last 25 years , spilling of Dam at Sabarigiri
2. To explore the possibility of increasing inflow
3. Capacity addition proposal
4. Cost Analysis

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

Having considered the matter in detail, the Full Time Directors in the meeting held on 26-08-2020, resolved to constitute a Technical Committee for conducting feasibility study for the Sabarigiri Extension Scheme with the following members.

1. Chief Engineer (Gen & PED), Moolamattom - Chairman
2. Chief Engineer(Civil – Investigation & Construction Central) - Member
3. Deputy Chief Engineer, Dam Safety, R&DSO, Pallom - Member
4. Deputy Chief Engineer, Civil Design, O/o The CE (CCS) - Member
5. Deputy Chief Engineer, PED - Member
6. Executive Engineer, Generation Division, Moozhiyar - Convenor
7. Executive Engineer, Dam Safety Division I, Kakkad - Member
8. Executive Engineer, Investigation Division, Kottarakkara - Member
9. Executive Engineer, Civil Designs, O/o The CE (CCS) - Member
10. Executive Engineer, PED, Thiruvanthapuram - Member

Further resolved that the committee shall make a feasibility study and to submit a comprehensive report within two months based on the following Terms of Reference.

1. For the last 25 years , spilling of Dam at Sabarigiri
2. To explore the possibility of increasing inflow
3. Capacity addition proposal
4. Cost Analysis

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

Copy to:

The Financial Advisor/The Chief Internal Auditor,
The Dy.Chief Engineer (IT)/The RCAO/The RAO/ Company Secretary
The TA to CMD/D(GE&SCM)/ D(T&SO)/ D(D IT& HRM)/D(GC)/ D (P&S)
The Fair Copy Superintendent / Library / Stock File.

Forwarded / By Order


Asst. Exe. Engineer