



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

CIN:U40100KL2011SGC027424

Vydyuthi Bhavanam, Pattom, Thiruvananthapuram – 695004, Kerala

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ABSTRACT

Committee for the preparation of draft SOP for desiltation of reservoirs of KSEBL, preparation of Detailed Project Report and completing the pre activities of desiltation for Kallarkutty reservoir -Sanctioned- Orders issued.

CORPORATE OFFICE (SBU-G/C)

BO(FTD)No.449/2021(DGC/AEE-II/Desiltation /2015)Thiruvananthapuram, dtd. 17.06.2021

- Read: -
1. G.O.(Ms) No. 79/2017/WRD dated 26.09.2017
 2. G.O. (Ms) No. 14/2019/WRD dated 14.05.2019
 3. Minutes of the meeting convened by the Secretary (Power), GoK on 31.05.2021.
 4. Note No.CE (C-DS)81/Desiltation/2020-21 dated 06-06-2021 of the Chief Engineer(Civil- Dam Safety &DRIP)
 5. Note No.DGC/AEE-II/Desiltation /2015 dated 10.06.2021 of the Director(Generation-Civil) (Agenda Item No.31/6/2021)

ORDER

The Chief Engineer(Civil- Dam Safety &DRIP) as per note read as 4th above has reported that in the recent surveys conducted by KSEBL to assess the storage capacity of some of its selected reservoirs, the Annual Storage Loss (ASL) of Kallarkutty reservoir was found to be 0.7 %. According to the categorization of sediment induced problems based on ASL, as per the 'Handbook for Assessing and Managing Reservoir Sedimentation' published by the CWC, Kallarkutty reservoir falls under the category 'HIGH'. Considering this, desiltation of Kallarkutty reservoir is to be done with top priority and it is considered as a pilot project for desiltation to be carried out by KSEBL after floating bid.

The Government of Kerala had published a Standard Operating Procedure (SOP) for desiltation of Mangalam and Chulliyar reservoirs of Kerala Water Resources Department as per GO read as 1st above and modified it as per GO read as 2nd above. The pre-activities for inviting bid for the desiltation of reservoirs as per SOP include; estimation of quantity of deposited sediment in a reservoir, estimation of quantity of components in the deposited sediments, preparation of Environment Management Plan (EMP) by a nationally accredited agency, preparation of Detailed Project Report (DPR), obtaining recommendation of the Technical committee on DPR, getting approval to the DPR recommended by the technical committee from the Empowered committee, obtaining administrative sanction for the DPR from the Administrative Department, according technical sanction by Chief Engineer etc.

The Procedure for inviting bid, arriving at the PAC, remitting revenue to the Government etc. are explained in the SOP. The procedures in general, outlined in the SOP, are oriented for the desiltation of reservoirs owned by Govt. of Kerala.

During the meeting held on 31st May 2021 convened by the Secretary (Power), Government of Kerala to review the status of Monsoon preparedness, the necessity and importance of carrying out the desiltation of reservoirs of KSEBL was discussed and the Secretary instructed KSEBL to collect the Standard Operation procedures (SOP) for desiltation published by Water Resources Department (WRD) and other related orders issued by the Government and study the procedures in detail and to submit a note to the Government detailing amendments specifically required in SOP for the

desiltation of reservoirs of KSEBL and agreed to take necessary action to issue an SOP from Government with appropriate amendments for the desiltation of reservoirs of KSEBL.

In the meeting, it was decided that Chief Engineer (Civil - Dam Safety & DRIP) shall submit amendments required for KSEBL on the SOP for desiltation of reservoirs of WRD issued by Government of Kerala after conducting detailed study on the SOP of WRD, other relevant orders issued by the Government for desiltation and discussion with field officials undertaking desiltation reservoirs of WRD etc., for issuing an SOP specific for desiltation of reservoirs of KSEBL from Government of Kerala.

The Chief Engineer (Civil - Dam Safety & DRIP) as per note read as 4th above has reported that in order to initiate the desiltation process for KSEBL reservoirs, a tailor-made SOP is to be prepared with suitable amendments in the SOP of Government of Kerala considering the specific requirements of KSEBL as KSEBL is an entity incorporated under the Companies Act and operates as independent company and owns reservoirs located either in Forest/Revenue land.

It is also reported that the pre activities of desiltation for floating bid for desiltation of Kallarkutty reservoir include but not restricted to

- (a) Estimation of quantity of components in the deposited sediments through approved agencies.
- (b) Preparation of Environment Management Plan (EMP) through a nationally accredited agency.
- (c) Preparation of Detailed Project report for the desiltation of reservoirs.
- (d) Obtaining approval to the DPR from the competent authority.
- (e) Obtaining Administrative Sanction from Government of Kerala.
- (f) Preparation of Bid Document for Desiltation.

The Chief Engineer has reported that desiltation being a work of specialized nature and novel to KSEBL, officials having experience in framing guidelines, preparing detailed project reports, reviewing Environment Management Plan (EMP), obtaining approval from competent authorities etc. are required for effectively carrying out the above tasks and obtaining sanction from Government. The Chief Engineer (Civil - Dam Safety & DRIP) has proposed to entrust the tasks with a committee having members with experience in undertaking similar works. Sri Mohanan P., Deputy Chief Engineer - Civil (Rtd.), KSEBL is recommended as a member of the committee as he has proven track records in successfully completing similar tasks assigned to him during his tenure in KSEBL. He is also a member of Dam Safety Review Panel constituted by KSEBL and approved by Central Water Commission, for the inspection of dams of KSEBL under DRIP. The Chief Engineer reported that utilizing the service of Sri Mohanan P., Deputy Chief Engineer – Civil (Rtd.) for preparation of draft SOP, preparation of Detailed Project Report and completing the pre activities of desiltation for Kallarkutty reservoir would be highly beneficial to KSEBL.

The Chief Engineer has recommended to constitute a committee for the preparation of draft SOP for desiltation of reservoirs of KSEBL, preparation of Detailed Project Report and completing the pre activities of desiltation of Kallarkutty reservoir with the following members.

1. Chief Engineer (Civil - Dam Safety & DRIP) – Chair Person
2. Sri Ganesan K., Executive Engineer, Office of the Chief Engineer (Civil - Dam Safety & DRIP), Dam Safety Organization, Pallom – Convener
3. Sri Jayakumar C R, Assistant Engineer, Office of the Chief Engineer (Civil - Dam Safety & DRIP), Dam Safety Organization, Pallom – Member.
4. Sri Mohanan P., Deputy Chief Engineer - Civil (Rtd.), KSEBL, Vijaideep, Mahatma Road, Puzhakkal PO, Thrissur – Member.

The matter was placed before the Full Time Directors as per note read as 5th above. Having considered the matter in detail, the Full Time Directors in the meeting held on 16.04.2021 resolved to accord sanction for the following:

1. To constitute a committee for the preparation of draft SOP for desiltation of reservoirs of KSEBL, preparation of Detailed Project Report and completing the pre activities of desiltation for Kallarkutty reservoir with the following members:
 - i. Chief Engineer (Civil - Dam Safety & DRIP) – Chair Person
 - ii. Sri Ganesan K., Executive Engineer, Office of the Chief Engineer (Civil - Dam Safety & DRIP), Dam Safety Organization, Pallom – Convener
 - iii. Sri Jayakumar C R, Assistant Engineer, Office of the Chief Engineer (Civil - Dam Safety & DRIP), Dam Safety Organization, Pallom – Member.
 - iv. Sri Mohanan P., Deputy Chief Engineer - Civil (Rtd.), KSEBL, Vijaideep, Mahatma Road, Puzhakkal PO, Thrissur – Member.
2. To fix the remuneration of Sri. Mohanan P., Deputy Chief Engineer (Rtd.) at the rate of Rs. 4000/- per day for each day of engagement for site inspection, participating in meetings, preparation of reports etc. in addition to TA & DA at the applicable rates eligible for Grade I officers of KSEBL.

Orders are issued accordingly.

By Order of the Full Time Directors

Sd/-

Lekha .G
Company Secretary i/c

To

The Chief Engineer(Civil -Dam Safety & DRIP)

Copy to:

1. The Deputy Chief Engineer (Research & Dam Safety Organisation), Pallom
2. The Financial Adviser 3. The Chief Internal Auditor
4. The RCAO/RAO 5. The Deputy Chief Engineer(IT)
6. TA to CMD /TA to Dir(GC) /Dir(GE&SCM) /Dir(T&SO) / Dir(D&HRM)/Dir(Plg&S)
7. PA to Dir (F) / Company Secretary i/c
8. FC Supt/ Librarian 9. Stock file / File

Forwarded / By Order


Assistant Executive Engineer