

Technical Committee meeting (for desiltation of reservoirs)- Draft minutes of the meeting convened by Chief Engineer 9I&A) on 3/11/2017 in the Board Room of IDRB

The meeting started at 2.30pm. Members /representatives from various departments of the Technical Committee and staff from KERI attended the meeting.

At the onset of the meeting Chief Engineer (I&D), IDRB informed the members that the meeting has been convened to discuss the investigation estimates submitted by KERI, for issuance of TS and also the approval of the minutes of the meeting of Technical Committee held on 10/10/2017 and 23/10/2017.

KERI has proposed for taking the entire depth of sediment in each bore holes as one sample and after mixing representative samples were proposed to be taken for lab tests. Thus they can reduce the number of samples to be tested and if such a procedure is adopted, all sample testing can be carried out by KERI. But Chief Engineer, I&A insisted on going for 50cm depth samples and if all samples cannot be tested by KERI, the same can be outsourced/tendered. Outsourcing can be done by giving samples for testing in Central/ State Government agencies as suggested in the SOP. As per SOP, KERI has been entrusted with the investigation works including testing. Hence KERI has to carry out the work they can, within the stipulated time and what works that can be carried out is to be outsourced or tendered by KERI. It was also informed to the Committee that NCESS has come forward for taking samples in Mangalam dam as per the techniques they are presently using.

collection sample

When officials from KERI raised issues like availability of water, buildings etc it was suggested to incorporate provision for water tanker, generator sets etc in the estimate.

Based on the delegation of powers for issuance of TS, the estimate for Chulliyar dam was to be sanctioned by Director, KERI and the estimate for Mangalam by Chief Engineer, IDRB.

Then the estimate was gone through in detail. The no. of samples to be taken underwater was directed by the committee to be finalized @150m ^{levels} and no. of grids is to be finalized accordingly.

Investigation estimates has been prepared for taking samples underwater and on land. For underwater sampling rotary power unit was proposed and in land 80% as open pit and 20% as hand boring. The committee decided to change the above percentages as 50%-50%.

emailed to all members
OS AD2

KERI is ^{proposed} to divide the water spread area of the reservoir in 200x200m grid and separate them using buoys, for which provision has been made in the estimate.

Chief Engineer, IDRIB instructed to hire vehicles as per rules for use of officials and also transport of samples if needed.

KERI has forwarded proposal for setting up 7 units and they have intimated that they can carry out testing of 2000 samples within stipulated time.

Chief Engineer, IDRIB informed that they can arrange for the ^{setting up of} testing of samples with the site officials. In the estimate, the Chief Engineer, I&A opined that hiring of technician can be avoided and instead staff from irrigation department can be deployed on working arrangement basis. Also he assured that all vacancies will be filled up.

For sample testing CUSAT Marine Geology Department; ^{T. M. Eng. College,} Enakulam were also to be requested.

The estimate was also to be refined by taking assistance from CESS.

CESS official informed that sampling at Mangalam dam can be carried out by them but they need to inspect the site and the same was requested to be carried out with KERI officials and site officials. The committee opined that the Govt. was also to be intimated that ~~clay silt is going to be separated without removing organic content and that the same needs to be ratified.~~ ^{the following}

Regarding the above, the official from CESS informed that it is better to separate sand alone and treat the rest of the residues as mud, which can be utilized after ascertaining its utility value. He also stressed the need for specifying the type of method to be adopted for testing in the tender document itself.

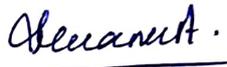
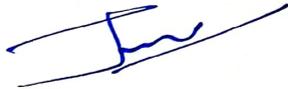
^{the minutes of the meeting of TC held on 10-10-17 and 23-10-17 was presented before the committee. The committee approved the minutes.}

Regarding the minutes, Chief Engineer, IDRIB directed to address Govt. regarding KEMDEL and as suggested by NCESS representative samples can be taken from the grid for organic analysis. KERI was directed to do the needful.

^{The analysis of samples had to be done by KERI/ IARI/ state/ central agencies at their laboratories as per the methods approved in IS codes.}

1. The material obtained from desiltation is to be separated as boulders, pebbles, gravel and mud. Mud ~~is~~ composes of silt, clay, organic and inorganic matter. inorganic material as mentioned in sol
2. The ~~silt material~~ ^{best} analysis of the material is to determine the quantity of boulders, pebbles, gravel and mud.
3. Mud contains material suitable for brick industry, farming, etc. The investigation as soil analysis will be taken up as per item no. 2 which may be taken up with Govt. for ratification.

Meeting of the Technical Committee regarding SOP for desiltation of reservoirs in the Board room of IDR B on 03-11-2017 at 2.00 pm

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