

Minutes of the Technical Committee meeting held on 10.07.2018

The meeting started at 2.30pm. Members from various departments of the Technical Committee and concerned field officials attended the meeting, list of which is appended.

The Chief Engineer, IDRB informed the committee that the meeting has been convened so as to vet the revised DPR prepared by field officials, as per directions in the Technical Committee meeting held on 26.09.2017.

The field officials informed that DPR of Chulliyar dam has only been finalised and the DPR of Mangalam dam is under finalisation. Then the estimation part was gone through in detail. The DPR was also then gone through in detail. The following comments/suggestions were made by the committee members.

- i) It was directed that for finalising the quantity of sediments removed, bathymetric survey and bottom profiler survey are to be carried out before and after desiltation works.
- ii) In the prepared estimate provision for 50% of dry excavation and 50% for excavation under water condition has been included. It was suggested to evolve a zoning plan for removal of sediments so that the bidder will desilt the whole area of reservoir as suggested by the department and not that portions only where sand content is more.
- iii) Provision has been made in the estimate for packing of 5 lakh m³ of sand, since in the SOP, it has been specifically stated that after separation, packing is to be carried out. Being a pilot project, provision for packing of 5 lakh m³ of sand has been provided, but taking into consideration the cost and time involved in the process, it was decided to offer the following comments to Government.

The amount for packing sand is more and the process is time consuming. Since the project is being undertaken as per SOP, provision for packing of 5 lakh m³ of sand alone has been incorporated. Sand is otherwise measurable either by weight or by volume (m³). Lorry load volumetric measurement is

emailed to
members on
12/7/18

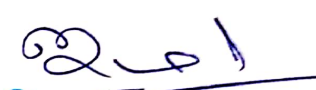


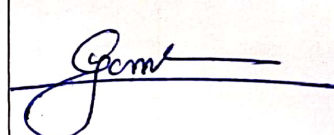

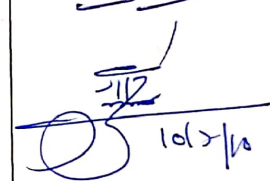



possible and during transportation environmental norms can be followed for avoiding pollution. Packing of sand will also delay the process.

- iv) The estimate for desiltation and separation was suggested to be reworked taking into consideration the working hours per day (effective) as 5 hours, operation using diesel to be considered (including conveyance), total time required for complete desiltation of Chulliyar to be taken as 2 years etc.
- v) The committee also suggested that concrete proposals are to be evolved while providing provision for treatment of water, generated during the process, before diverting back to the reservoir/water bodies. Also the tanks/treatment units should be so placed so that gravity flow occurs and unnecessary pumping is avoided. Also since clay content is more, if using settling tanks, time required for settlement will be more and hence provision for storing water generated each day for more period needs to be worked out and included in the DPR.
- vi) After incorporating the above suggestions/comments the DPR was suggested to be submitted to the Government from the office of the Chief Engineer, Project I.

The meeting ended at 4.00 pm.

Remali
f Chief Engineer (I&D)

Technical Committee meeting on 10-07-2018 at 02.30 pm in the Board Room of IDRB, regarding desiltation of Mangalam and Chulliar reservoirs

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