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TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD



ABSTRACT

TWAD BOARD – Adopting revised pattern of operational staff in maintenance of CWSS to reduce the expenditure- orders issued-reg

(OPERATION AND MAINTENANCE WING)

B.P.Ms. No. 5

Dated: 22 .02.2018

Read :

Board Circulation Resolution No. 437 dated 19.2.2018.

ORDER

As per G.O. (D) No.454/MA & WS (DMC) dated 22.8.1995, TWAD Board was authorized to take over the maintenance of Combined Water Supply Schemes, covering more than one local body, from the local bodies. Accordingly, TWAD Board had taken over the CWSS for maintenance and at present 553 CWSS are under the maintenance of TWAD Board. The CWSS are maintained by sanctioning AM Estimates every year.

The following components are provided under AM estimates.

1. Establishment Charges for Operating Staff and Proportionate charges of Supervisory Staff.
2. Electrical Energy charges
3. Repairs and Renewals
4. Chemicals
5. Telephone charges
6. Water- Testing charges
7. Propulsion charges.
8. Royalty Charges payable to other departments
9. Others

The annual maintenance expenditure increasing every year due to various aspects. Normally major expenditure involved under the components viz.operating staff and Electricity charges.

A committee was constituted to analyse the possibility of reducing the AM cost by viz.possibility of increasing the income in the O&M of the schemes, reducing the expenditure in the O&M of the schemes, suitable revision in the constant provision for "repairs and Renewals as Rs.25,000 now adopted and modifications in the present norms fixed for outsourcing staff vide BP Ms. No.45 dt.29.5.2007.

During the meeting held on 22.11.2017, suggestions have been made by the committee members to revise the operational staff provision in all the components such as Headworks, Booster Station, Treatment plant, Feeder main, Pumping main & valves etc. considering the availability of capacity of pumpsets, length of pumping main, no. of valves so as to reduce the expenditure in the O&M of the schemes based on the following justification.

1.In earlier days, TWAD Board have executed CWSS/Major Schemes using PSC, AC, RCC and PVC pipes. TWAD Board facing frequent leaks and burst in the pipes. Having the experiences gained in the field the pipe policy has now revised as up to 200MM using PVC pipes from 200 to 600MM using CI, DI Pipes and above 600MM MS pipes are adopted as per the requirement. Hence frequent leaks and burst were reduced as occurred previously. Thus the number of pipe lines fitters in the pumping main/ Gravity mains may be reduced.

2.In earlier days, public transport facilities available for travelling were very less. As such less jurisdiction was fixed to the maintenance staff for watch and ward of mains. In the present scenario transportation facilities are very much improved conveniently. Thus the maintenance staff viz. Fitter and Maintenance Assistant for watch and ward of mains may be reduced.

3.In earlier days, facilities for communicating the information among the staff and the officers are less. Now mobile phone for communicating all information either through message or photos immediately to the officers concern are available. Thus the jurisdiction fixed to the maintenance staff may be revised and the No. of maintenance staff viz. Fitter and Maintenance Assistant for watch and ward of mains may be reduced.

4.In Headworks, nowadays latest technologies viz. SCADA, VFD arrangements, Air Circuit Breaker, Surge protection arrangements were made in the CWSS which are meant for monitoring and controlling the water work system requiring less manpower. Thus the maintenance staff viz. Turncock, Electrician Grade I & II may be reduced.

