

GOVERNMENT OF ANDHRA PRADESH
RURAL WATER SUPPLY AND SANITATION DEPARTMENT

OFFICE OF THE CHIEF ENGINEER-III, QA&QC, RWS&S DEPARTMENT,
GOLLAPUDI, VIJAYAWADA.

Cir.Memo No: AEE/DEE-1/QA&QC/O&M Policy/2023, Dated:27-11-2023

Sub: RWS&S-Maintenance of CPWS Schemes-Streamlining of procedure for payment of bills - Stipulated procedures to be followed as per the O&M formats already Communicated-Certain Instructions Issued-Reg.

Ref: Circular Memo's and O&M formats communicated from time to time

The immediate attention of all RWS&S staff is drawn to the above subject and Govt is in the opinion that RWS staff are not properly monitoring the Maintenance of CPWS Schemes and they are billing to the agencies simply whatever details Agency is giving to them.

Main aim of major programme i.e., JJM going in the department is to assure quantity and quality by providing FHTCs.

In order to improve the Quality & Quantity of water being supplied through CPWS schemes the following Circular instructions are issued to follow scrupulously:

Already so many times the registers that are to be maintained for all CPWS Schemes were communicated to field staff. But in many cases the Registers are not being maintained properly and also nobody is verifying these registers.

For ready reference these formats are here with enclosed once again and all these maintenance registers are to be maintained mandatorily.

I. For assuring Quantity of Water being supplied:

1. In all schemes there is no measurement of flow i.e., quantity of water going out from the source and also from pumping stations. The flow meters installed are also not properly maintained. Nobody is taking action to rectify them or to replace them simply saying that there are no funds to fix flow meters and they are not able to pay labour charges regularly. Simply preparing the bills and recommending for payment though water is not supplied to all intended habitations.
2. With simple calculations using the available pump HP, discharge and AP Power supply corporation meter readings, we can arrive the quantity of water that is going out from each pumping stations thereby we can arrive the quantity that is supplied actually to public and cross check whether required quantity is given to public or not. With this we can curtail the billing to Agency only to the quantity supplied. The sample calculation sheet is annexed to this circular to follow invariably.

3. Hence all field staff are hereby instructed to cross check all the bills of O&M of CPWS for which payments are not yet released and rectify the bills if necessary. Further for the bills yet to be prepared, all staff shall invariably verify the actual quantity that is supplied to public and recommend payment only for quantity supplied without deviation.
4. The respective Superintending Engineers and DREOs are instructed to take necessary action for installation of Bulk Flow Meters initially at Head works and further at intra-village network of CPWS Schemes in a phased manner to arrive the actual supply of drinking water in the respective habitations of CPWS Schemes. The department is accountable for supply of drinking water at the consumer end and to pay bills to the O&M contractors as per actual.
5. Further all the field staff are advised to provide flow meters under JJM works sanctioned, as in many No.of habitations works are sanctioned and are ongoing at present, so as to assure the required quantity is supplied to the habitations which will also helps in proper utilization of available water and water budget in all habitations.

II. For assuring Quality of Water being supplied:

1. By assuring disinfection by way of different methods being followed i.e., by way of adding bleaching powder, liquid chlorination, online chlorination etc., We can assure the safe water to the habitants. For this the existing practises are to be properly maintained as this cost is very less and affordable in all GPs. By adopting simple chlorination methods, we can control most of the water borne diseases in rural areas.
2. Already under JJM some online chlorination methods are being implemented on trial basis by 1. M/s. TATA Trust and 2. M/s. Evidence action. Hence all the field staff are instructed to adopt suitable methods of proper chlorination of water being supplied duly studying the cost analysis.

QC teams available in State QC Wing will inspect O&M Schemes. If any discrepancy is found in following this Circular, severe action will be initiated against the defaulters.

**Sd/- P.Sanjeeva Reddy,
Chief Engineer-III (QA&QC)
RWS&S, Vijayawada**

To

All the Superintending Engineers and DREOs in the State.

All the Executive Engineers RWS&S in the State.

Copy to all the Chief Engineers RWS&S for necessary action

Copy to the Project Director, SWSM, RWS&S for necessary action

Copy submitted to the Engineer-in-Chief, RWS&S Vijayawada for necessary action

Copy submitted to the Spl CS to Govt. PR&RD for favour of information.

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Deputy Executive Engineer

MS
27/11/23

ANNEXURE
SAMPLE CALCULATION SHEET FOR ARRIVING QUANTITY OF WATER

Pumpset Details:

H.P : 75 H.P
Discharge : 1432 lpm
Head : 118 mts

AP Power Supply meter readings:

Starting reading as on 05-10-2023 (a) : 10423
Ending reading as on 05-11-2023 (b) : 37279
No. of Units consumed per month (b-a) : 26856

Calculation of Quantity of Water supplied:

No. of Units of Power consumption per hour :
For 75 H.P = 0.746 X H.P
= 0.746 X 75
= 55.95 Kilo Watt Hours

No. of Hours Pumpset worked in the month:

$$\frac{\text{No. of Units consumed in a month}}{\text{No. of Units consumed per Hour by the Pumpset}} = \frac{26856}{55.95}$$
$$= 480\text{Hrs}$$

Total Quantity of Water Pumped:

= No. of Hrs Pumpset Working X Discharge of Pump (lpm) X 60
= 480 X 1432 X 60 = 41241600 Litres
= 41241.60 KL

Total Quantity billed to the agency should NOT be more than 41241.60 KL from this pump house catering habitations.