

**Government of Andhra Pradesh**  
**ABSTRACT**

Irrigation & CAD department – Monitoring of performance of irrigation projects on seasonal and annual basis - certain activities to be taken up – Reg

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**Irrigation & CAD (General. IV) Department**

G.O. Ms.No.130

dated 30-07-2007

Read the following

1. G.O.Ms.No. 95, I&CAD (Gen.IV.2) Dept., dated 05.06.2007.
2. G.O.Ms.No.57, I&CAD (Genl IV.1) dept, dated 29-07-2006.
3. G.O. Ms .No 289, Finance (TFR III) dept dated 04-10-2006.

**ORDER :**

In the reference 1<sup>st</sup> read above, the Government of Andhra Pradesh has constituted a Water Management Committee with Chief Secretary as Chairperson. The committee in its last meeting decided to formalize the agenda of water use efficiency in water sector. Accordingly it was decided to initiate certain activities for performance management of the irrigation projects on seasonal and annual basis. These activities involved timely completion of maintenance works during canal closure period, O&M activities by WUA, systematic irrigated area assessment with help of APSRAC. Accordingly following directions are issued to be implemented by concerned Engineer in Chief, Chief Engineers and other staff of the completed major and medium irrigation projects.

**1) Micro Plan for Operation and Maintenance:** The concerned project engineers will cause to prepare a micro-plan in the prescribed format for each WUA and Distributory Committee (wherever existing) in participatory mode for their jurisdiction duly prioritizing the works on the basis of immediate benefits, urgent repairs or preventive works for safeguarding against floods. The O&M requirement would be met from following sources

- a. Category A- Operation and maintenance by Farmers Organisations WUA from amount of tax re-plough for the item of works mentioned in the APFMIS Act or as additionally determined. These works will be

executed by the Farmers Organisations as per the norms prescribed by the Government from time to time.

- b. Category B- The funds for deferred maintenance work would be released by the concerned Chief Engineer or E-in-C following the existing norms and delegation as per the prioritization of the requirement in micro plan.
- c. Chief Engineers and S.E's are requested to complete these works during canal closure period.

**2) Irrigated area assessment-** The assessment of areas irrigated and raising of water tax demand and apportionment are to be made as per the rules in vogue.

**3) Water Audit and Bench Marking:**

- a. **Water Audit** is defined as the pre-release assessment of requirements of water for each cropping season for the entire project command and other usage, expected area for irrigation and thereafter evaluating with actual water released for irrigation and other uses and actual area irrigated. The area irrigated includes authorized and unauthorized separately. Water utilization per unit of area irrigated would be a key indicator for audit.
- b. **Bench marking** is a dynamic management tool for improving Water Use Efficiency, Financial sustainability of the system, adoption of best management practices and environmental sustainability of the system. It involves comparison with relevant and achievable internal and external parameters on a continuous basis.

These are the seasonal exercises. The out-put from the exercise will be converted to an Annual Report by each Chief Engineer and compiled for the state by Commissioner CAD for every year commencing from 2007-08. The guidelines for water audit and bench marking were communicated to all the Chief Engineers vide Commissioner, CAD Circular Memo No. CAD/DEE5/12076/06, dated 16.9.2006.

**4) Water Use Efficiency:** The Government of India has sanctioned the project to determine the water use efficiency for each major and medium project. Presently the study is initiated in 14 major and 6 medium projects. This would

be extended to cover all the major and medium irrigation projects from current year i.e.2007-08. The guidelines and formats for taking up the above are also communicated to all the Chief Engineers. The concerned Chief engineer or a SE will be responsible for conducting the study in coordination with CAD.

**5) Capacity Building of WUAs and Engineering staff:**

All the WUAs and the engineering staff require capacities to discharge the responsibilities enunciated in the relevant Acts and guidelines issued by government. The main areas of capacity building will be for additionally acquiring technical, managerial or other skills. These training programs will be conducted in decentralized manner at various levels i.e. at state level, circle level and at farm levels. This includes augmenting or creating training facilities at each circle by establishing a minimal training center.

**6) Management cost:** Considering the large number of vacancies of the staff and need to complete the exercise during the season, permission is granted

- a. to hire one retired engineer at circle level for completed projects. The selected engineer should be well versed in irrigation management for taking up the activities of water audit and bench marking and WUA studies as mentioned.
- b. Similarly one training coordinator for each circle is also permitted. Commissioner CAD would hire these persons and place them at circle level immediately.
- c. Other related items to carry out the above objectives.
- d. The retired engineers and training coordinators would be hired as per the guidelines issued by the Finance dept, vide reference 3<sup>rd</sup> read above. The Principal Secretary (Irrigation) & Commissioner, CAD would be the Competent Authority in terms of the said G.O. for hiring of such services.
- e. Government has already permitted for meeting the expenditure on account of trainings from the WUAs Head of Account vide reference 2<sup>nd</sup> cited. The expenditure for the hiring of retired engineers would also be met from the same Head of Account which is given below from the current Financial year (2007-08) onwards.

" 2701 -Major & Medium Irrigation -80 - General -MH 800 - Other expenditure - GH-11 - Normal State Plan - SH(12) Water users Association -500- other charges-503 \_ Other expenditure

- f. The procedure as mentioned in the G.O. 2<sup>nd</sup> read above would be followed for incurring the expenditure.

For the year 2007-08 an amount of Rs 13.18 Crores budget provision is available.

8. The Commissioner, CAD is requested to take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SUTIRTHA BHATTACHARYA  
**SECRETARY TO GOVERNMENT (FAC)**  
**(IRRIGATION)**

To

Commissioner, CAD & Prl. Secretary (Irrigation). I&CAD Detp., Errummanzil, Hyderabad.

Secretary to Govt. (Projects, ), I&CAD Department.

Secretary to Govt. (AD), I&CAD Department.

Secretary to Govt. (RR), I&CAD Department.

Engineer-in-Chief (A.W), I&CAD Dept. Errummanzil, Hyderabad.

Engineer-in-Chief (Irrigation), I&CAD Dept. Errummanzil, Hyderabad.

Chief Engineer, Medium Irrigation, I&CAD Dept. Errummanzil, Hyderabad.

Chief Engineer, Minor Irrigation, I&CAD Dept. Errummanzil, Hyderabad.

Chief Engineer, (Projects), I&CAD Dept. Kadapa.

Chief Engineer, TGP, I&CAD Dept. SriKalahasti.

Chief Engineer, NSP, I&CAD Dept. Hill Colony, Nalgonda District.

Chief Engineer, SRSP, I&CAD Dept. LMD colony, Karimnagar.

**// FORWARDED :: BY ORDER //**

**SECTION OFFICER**