

**GOVERNMENT OF ANDHRA PRADESH
GENERAL ADMINISTRATION (QUALITY CONTROL) DEPARTMENT**

U.O.NOTE No.382/ADV (QC)/2001

Dated: 31.07.2001

Sub:- Quality Control – Following Uniform procedures in all Engineering Departments – Regarding.

- Ref:-**
- i. T.O.U.O.No.232/Adv(QC)/99, dt.23.11.1999.
 - ii. G.O.Ms.No.84, I&CAD (PQ.AC&IWS) Dept., dt.06.06.2000.
 - iii. G.O.Ms.No. 101, PR & RD (Est-1) Dept., dt.21.03.2000.
 - iv. T.O.U.O.No.359/Adv(QC) 2001, dt.02.07.2001.

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The Adviser to Government, Quality Control in the reference 1st cited, made certain recommendations to improve quality of works in all Engineering Departments. Accordingly, Government have issued orders in the references 2nd and 3rd cited.

The Advisor Q.C., made further recommendations in the reference 4th cited and they are under examination in the Government.

During his inspection of works of various Engineering Departments, the Adv.Q.C, has noticed that all the Engineering Departments are not following uniform procedures and there are wide variations in spite of Government Orders in the references 2nd and 3rd cited.

In view of the above, the items where uniform procedures are desirable are listed below and all the Engineering Departments may please direct the concerned Engineer-in-Chiefs/Chief Engineers to follow them.

1. INSPECTION OF ENGINEER-IN-CHIEF/ CHIEF ENGINEER/ SUPERINTENDING ENGINEERS:

- a) As per G.O.Ms.No.492, PW(X)Dept., dt:14.05.1973 the authority who accords technical sanction to a work, shall inspect the work before accordingly technical sanction and this fact shall be prominently noted in the check slip of the sanctioned estimate.
- b) Head of Departments and Superintending Engineers should issue inspection notes on any work inspected by them. Heads of the Dept shall inspect atleast 10 works in a month and the Superintending Engineers 20 works every month. They shall report in their inspection notes about the men, machinery and material available at the work spot including the progress of work, physical and financial outlays, any backlog etc., quality control tests also shall be conducted and recorded in the inspection notes as well as the registers.

2. CHECK MEASUREMENT OF WORKS:

All the Superintending Engineers of all Engineering Departments shall invariably check-measure all the works costing Rs.50.00 Lakhs and above at 1/3rd, 2/3rd stage of work and before final measurements, his check measurements covering not less than 30% of the total expenditure incurred each time.

Similarly, all the Executive Engineers of all Engineering Departments shall invariably check-measure all the works costing Rs.5 Lakhs & above his check-measurement covering all the major items not less than 30% of the total expenditure incurred each time.

A Certificate to the extent that, check-measurements by Superintending Engineer/ Executive Engineer have been carried-out shall invariably be recorded at the time of making payment duly giving reference to the Measurement Book.

Pay & Accounts Offices to release payments only after due checking such certificates issued by concerned Q.C Staff.

3. METAL SPREADING PERMISSION:

It is observed that in R&B Department, the EEs are issuing permission for metal spreading for road works after inspection of slacks. While in P.R. Dept., such permissions are recorded by the Superintending Engineers. In as much as one Superintending Engineer is posted for each district in R&B Dept., also a uniform procedure of Superintending Engineers according metal spreading permissions for road works costing more than Rs.10 Lakhs in all the departments may be adopted. For works costing more than Rs.10 Lakhs, the Executive Engineers can be empowered to issue spreading permission after taking pre-measurement of slacks. Full quality of material as per most standard and relevant codes should be slacked by the side of roads, check-measures by Superintending Engineer/Executive Engineer and then only spreading permission should be given.

4. RECOVERIES IN RESPECT OF OVERSIZE METAL:

The Chief Engineer, R&B and Administration in his Circular memo dt.02.03.1984 has issued instructions to reduce the tender rates of the contractor in case the Superintending Engineer decides to allow the use of oversized materials under clause 27(c) of APSS. The Advisor Quality Control desires that to act as deterrent, this criteria shall be made applicable to graded metal also, and this method of recovery shall be followed scrupulously by all the Engineering Departments including all municipalities and Tirumala Tirupathi Devasthanams.

5. MAINTENANCE OF HISTORY BOOKS:

For any road, building, bridges canal tank etc., a History book should be maintained in which all the repairs, improvements etc., (along with the component or works) carried out should be noted down nothing the reaches and the expenditure incurred may be noted. Chief Engineers/Superintending Engineers remarks in these History Books.

6. SUBMISSION OF MONTHLY CHECK SLIPS:

In this office U.O.Note.No.50/Adv(QC)2001 dt.31.01.2001 a check slip was devised and sent to all Departments. Senior Engineers i.e., Executive Engineer, Superintending Engineer and Chief Engineer have to submit these check slips every month to their respective Head of the Department and Government Adv./QC will review them at the time of inspection. Such system will arrest the tendency to put-up false claims and gives scope to rectify the defective works, if any noticed, during construction stage itself.

Receipt of this U.O. Note may please be acknowledged.

**Sd/-
Advisor/QC**