

For each panel mounted instrument an additional stainless steel nameplate shall be provided for mounting at the back; it shall be engraved with tag numbers only. These plates shall be attached to the panel or instrument support near the instrument.

Method of fixing nameplates shall be submitted for ADWEA's/ENGINEER's approval.

All instruments shall be delivered to job site immediately prior to their installation to minimize the possibility of damage. No instruments, motor operated valves etc. shall be left lying around on the construction site.

Materials and equipment not required for immediate installation shall be stored in a separate store protecting them from shock, weather, dust and damage from chemical and construction material. Do not stack instruments in a store unless crated.

Upon receipt check each item for complete compliance with purchase specifications, damage, shortage and shortage of components. Repair, replace or notify vendor of non-conformance as required.

All cover sand plugs on instrument connections shall be left in place until the moment the connection is used.

Rubbish and scrap material shall not be allowed to remain at site. This shall be collected daily and removed from the site.

Upon completion of the work all tools shall promptly be removed.

9. INSPECTION AND FUNCTIONAL TESTING

This section broadly specifies requirements and gives recommendations for inspection and testing of instruments, before and after installation, during the construction and start-up phases. It deals with activities and requirements to confirm that instrumentation conforms to ADWEA/ENGINEER requirements and is installed and functioning according to the approved engineering/construction drawings and data.

9.1 Quality Plan

CONTRACTOR shall prepare a comprehensive Quality Plan to be approved by ADWEA/ENGINEER in accordance with ISO 9000 or equivalent. The Quality Plan shall describe the quality documents (i.e. procedures, specifications and work instructions) to be used in the dedicated organisation to assure quality in each activity. All documents and drawings that are used shall be listed and properly controlled. Changes during the course of activities shall be handled according to the agreed change procedure. The organisation and reporting hierarchy of all involved in testing and inspecting shall be included in the Quality Plan.

Formal Inspection and Functional testing procedures shall be submitted for ADWEA/ENGINEER approval by the CONTRACTOR.

	Client	ADWEA				
	Project:	STANDARD SPECIFICATIONS FOR WATER WORKS				
	Title:	SPECIFICATION FOR INSTRUMENTATION & CONTROL SYSTEMS INSTALLATIONS				
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