

7.3 Remote Area Enclosures

All electronic equipment, cabinets and panels installed in remote areas shall be additionally provided with a second GRP enclosure to IP 55 rating.

This enclosure shall be weatherproof and there shall be enough space between the equipments to allow proper ventilation and access.

8. IDENTIFICATIONS

8.1 Labelling and Name Plates

A nameplate with the panel description shall be permanently attached to a prominent position on the front door of the panels. An identical nameplate shall be permanently attached inside the panels. The nameplate shall be indelible, non-removable and with black lettering on white background.

All warning or danger labels shall be indelible, non-removable with white lettering on red background. The panel doors shall be fitted with a warning label stating "Isolate before working on equipment". Where voltages exceed 110 V ac, warning labels showing the voltage level shall be attached to the terminals, using nylon screws. The label shall span all the terminals carrying the higher voltage.

All wiring shall be ferruled at each end, using slip-on-colour coded markers. All wiring shall be uniquely identified with a number. The markings shall be as shown on the assembly wiring and circuit diagrams.

All instruments mounted in field/panel shall be provided with traffolyte nameplates engraved with unique identification tag number and description, which shall be subjected to approval by ADWEA/ENGINEER.

Fixing screws of all nameplates, tags or inscriptions shall be non-corrosive type.

Each relay, contactors, switch and every other item of equipment within the panel shall be identified by labels permanently attached adjacent to the equipment concerned, indicating circuit reference, description and rating. Where equipment is terminated in a plug-and-socket type connection both the plug and the socket shall have permanently attached identifying labels.

8.2 Tag Numbers

All instruments shall have engraved stainless steel nameplates showing their tag number and service in the English language. On the panels these name plates shall be mounted visible near or on the instruments. For station mounted instrumentation equipment the nameplates shall be mounted on a bracket near the equipment.

The numbering system standard shall be according to the KKS, AKS or ADWEA identification standard.



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