

4.26 PLC Logic Software

The PLC Logic Software shall be submitted in ladder language program in hard copy and soft copy format. The Contractor shall provide the PLC programming software to ADWEA/ENGINEER for easy checking of the submitted program.

4.27 Method Statements and Test Procedures

The Contractor shall furnish all method statements and test procedures, subject to ADWEA/ENGINEER approval, before installation and testing of all project devices and equipment of the project, according to the Contract Specifications.

5. GENERAL REQUIREMENTS

5.1 Workmanship

Instrumentation and control systems installation work (the work) shall be performed in compliance with all contract documents, project specifications and drawings, and good construction practices.

The work shall be performed, with good workmanship, by qualified personnel in compliance with established safety regulations. All work shall be performed using only the correct tools for the purpose.

The work shall be performed so that the safety, integrity and quality of all systems are assured, including overall appearance and aesthetics.

Defective work or works which does not conform to the contract documents, shall be corrected at the CONTRACTOR'S expense.

Work in hazardous areas shall be carried out in accordance with the applicable regulations and safety procedures.

Tie-ins to the existing facilities will be thoroughly reviewed with ADWEA/ENGINEER. Critical circuitry tie-ins will be subject to ADWEA's approval.

5.2 Storage and Protection of Equipment

Control Systems and instrumentation shall be properly stored and protected from damage at all times. Storage and protection shall be in compliance with manufacturers' recommendations and this specification, unless stated otherwise by ADWEA/ENGINEER in writing. Precautions for proper storage and protection shall include, but are not limited to, the following.

- a. Storage shall be inside a clean dry building or enclosed shelter, unless material can be stored outdoors without suffering damage.
- b. All equipment shall be stored in enclosed and environmentally controlled locations wherever recommended by the manufacturer.



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