

4.10 Instrument Process Connection & Hook-up Details

Instrument process connections and hook-up material, take-off, thread, rating, standards etc. shall be shown on typical drawings common for particular type of instrument and shall be used at site by the CONTRACTOR. These typical drawings shall be accompanied by the list of auxiliary materials such as tubing for instrument piping, connectors, unions, valves, etc. Both drawings and material specifications are subject of ADWEA/ENGINEER approval.

4.11 List of Instrument Setting

This list shall show tag number, instrument range, switch point at required conditions, the equivalent setting of the relevant instrument, etc. This list shall be made before start-up of the installation subject to ADWEA/ENGINEER approval.

4.12 Drawing List

The CONTRACTOR shall prepare a drawing list, on which each drawing sheet is separately mentioned. The drawing list shall be combined with the drawing status report (monthly drawing schedule).

4.13 Nameplate List

This list shall show all nameplate inscriptions and dimensions including type of fixing, location, letter size, format, etc.

4.14 Instrument Installation Drawings

These drawings shall show, the instruments fixing brackets, stands, enclosures, shades, etc. materials, details of fixing, location etc.

4.15 Instrument Cable Schedule

This schedule shall show cable No., from, to, cores, sizes, type of cable, type of installation remarks etc.

4.16 Instrument Location and Cable Layouts

These drawings shall show approximately location of instruments, cable routing and cable numbers in detail.

4.17 Instruction Manuals

CONTRACTOR shall furnish all Instruction Manual covering all instruments and control systems as shipped. Revised manual pages shall be provided to show all changes made in the field by CONTRACTOR's Service engineer. The Instruction Manuals shall be furnished in accordance with the Project General Technical Requirements.



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