

- d. Sectional arrangement drawings of all major items of the Plant ( Pumps, valves, penstock, etc.) with dismantling/ assembling instructions
- e. Plant layout drawings in a suitable scale showing the installation as erected.
- f. "As wired" diagrams of all electrical and control circuits and connections between control panels and installed loads together with internal wiring diagrams for all equipment.
- g. " As wired" Diagram for instrumentation
- h. Comprehensive cable schedules showing all cable and core allocations including spares.
- i. Full and comprehensive operation, maintenance, and trouble-shooting instructions for all items of equipment and systems supplied
- j. Set points for over currents, earth leakage for electrical protection and set points for instrumentation complete (e.g. – level measurement / float switches / alarm)
- k. Field and factory test records/ certificates for motors, pumps, compressors, pressure vessels, lifting equipment, all mechanical/ electrical installations and other works where appropriate for both works and site tests.
- l. Actual pump performance curves as tested
- m. System performance curves
- n. Schedule of recommended lubricants and their equivalents
- o. Comprehensive technical data and detailed drawings for each item of equipment
- p. Fault finding chart with a step by step description of action.
- q. Detailed procedures for ordering spares.
- r. All drawings and operations and maintenance documents for mechanical, electrical and instruments should be submitted on CD-ROM in PDF format.
- s. Software for the installed program logic control CD's, cables, Laptop, passwords, and License, GIS data CD's
- t. Handing over shall be provided as per the requirements of the client and engineer based on the check list format which will be provided to the contractor during the project execution.