

- u. Equipment warranty certificates, Instrument Calibration certificates, including configuration set points
  - v. Control Philosophy, Functional Design Specification
- B. The issue of the Provisional Acceptance Certificate (PAC) shall be subject to receipt and approval of the Operation and Maintenance Manuals by the Employer.
- C. The above is applied also for any operation and maintenance manuals submitted under this contract
- D. The issue of the Provisional Acceptance Certificate (PAC) shall be subject to receipt and approval of the Operation and Maintenance Manuals by the Employer.
- E. The above is applied also for any operation and maintenance manuals submitted under this contract

#### **1.1.30.3 Workmanship**

- A. All workmanship shall be of the highest quality and the installation of equipment and materials shall be in strict conformity with the manufacturer's recommendations. The Contractor shall provide skilled, semiskilled and unskilled labor, including such experts as may be required by the manufacturers, for the erection, testing and commissioning of the whole of the Plant. Before start of erection the Contractor shall verify that all foundations, openings, anchor holes, recesses etc. required for the erection have been constructed.

#### **1.1.31 Alignment**

- A. All items of the Plant shall be leveled, set to plumb and aligned in such a manner as to comply with the manufacturer's requirements and tolerances.
- B. Skilled craftsmen shall install all equipment with parallel, vertical and horizontal alignment.
- C. The Contractor shall furnish stainless steel shims, wedges and blocks as required to level and align the equipment. If there are more than two layers of shims necessary during alignment they shall be replaced by solid stainless steel blocks after final alignment. The thickness of shims shall not exceed 0.5 mm.
- D. Non-shrink grout shall be of a brand approved by the Engineer and shall be provided and placed by the Contractor in all voids and bed plates as recommended by the manufacturer. Mixture and application shall be as per grout manufacturer's instruction. The Plant shall be installed and aligned as per manufacturer's