

load brought onto them by the Plant. The Contractor shall ensure that the Plant is not dislocated during backfilling, casting of concrete or grouting.

1.1.34 Inspection

- A. After the equipment has been assembled, levelled and aligned, each installed item shall be inspected by the Engineer. Permission for concealing, grouting or other finishing will only be given if the Engineer is satisfied with the works performed.

1.1.35 Cleaning

- A. The interior of all Plant shall be thoroughly cleaned prior to installation. Whenever work is interrupted the open ends of installations shall be temporary closed by plugs to prevent contamination. Pipe systems shall be sectional cleaned and flushed with water after installation and before initial plant start-up in order to remove foreign material that may have entered the piping during installation. Flushing operation shall be continued until the water is clear. Provisions shall be made for disposal of water released from the test outlets to avoid property damages. Flushing through pumps and other equipment shall be avoided and shall be done respectively through a temporary installed wire mesh filter/strainer.
- B. The pipe systems serving gases or air shall be cleaned and flushed with compressed gas or air. Pipe systems serving liquid chemicals / agents that are fast reacting with water shall be cleaned and flushed with compressed dry and oil free air or nitrogen gas. Temporary by-pass provisions shall avoid flushing of equipment, instruments, etc with compressed air/gas. The Contractor shall provide and allow in his rates for all temporary machinery, equipment, testing facilities, flushing media, pipe-work and all other materials necessary for the cleaning including disposal facilities.

1.1.36 Assembling

- A. Care must be taken during the erection to ensure that no loads of any description are transmitted through to the flanges of any part of the Plant. Flanges shall be carefully aligned to prevent distortion when bolting together. Bolts and nuts shall be tightened uniformly and torque controlled so that the gasket pressure is evenly distributed around the circumference.