

products and depute qualified personnel to monitor the installations intermittently throughout the course of the project execution and till the final commissioning test approvals from the designated authority. Any discrepancies or non-compliance thereof, if observed, shall be promptly reported to Engineer or Client for remedial measures. NOTE: In case of non-compliance to the installation procedures set forth by the Manufacturer, further installation shall be stopped with immediate effect, by the Engineer without placing any project time lapse liability on the Engineer or Client, by the main Contractor of award until it is otherwise advised. However a project delay penalty clause may be applied on the main Contractor as per the rules and regulations set by Client.

18.3.3 Field Hydrostatic Testing of Pipelines

18.3.3.1 General.

- A. Submit for the Engineer's approval details of the proposed methods and program for testing, including details of test equipment. Arrange for all tests to be witnessed by the Engineer or other person appointed by the Engineer. Provide everything necessary for carrying out testing and cleaning including water, pumps, gauges, piped connections, stop ends and all other temporary works. Ensure that pipelines are properly completed and supported before being put under test except as hereinafter detailed.
 - i. No testing will be permitted until seven days after thrust blocks and other holding down works have been completed.
 - ii. In addition to any tests of individual joints or other interim tests, which may be specified elsewhere, submit all parts of the pipelines to a final test.
 - iii. Notwithstanding the foregoing, carry out at any stage of construction other tests that the Engineer considers desirable to check materials and workmanship on the pipeline. Ensure that the obligations to perform successful tests under the Contract are achieved.
- B. Use potable water for hydrostatic testing and pipeline cleaning.
- C. Test the pipeline in lengths between valve pits or such shorter lengths as the Engineer may direct or permit.