

### **18.1.5 Quality Control**

Inspection of the products by the manufacturer shall be in accordance with the definitions in the product standards and in additional quality specification, as per the selected technique of the manufacturing.

- A. Prior to dispatch of any product and/or material from source the Contractor shall notify the Engineer in writing in sufficient time to allow the Engineer the opportunity to inspect and test the product and/or material prior to delivery in accordance with Section 01400 of the specification.
- B. Products and materials shall be from a manufacturer/supplier who operates a quality control system which is registered to ISO 9000 series or approved equal.
- C. To allow the Engineer to inspect the Works the Contractor shall give the Engineer a minimum of 48 hours notice of carrying out the following activities on site:
  - i. Installation of pipeline.
  - ii. Hydrostatic testing of pipeline.
  - iii. Deflection measurement of pipeline.

### **18.1.6 Delivery, Storage and Handling**

- A. Delivery, storage and handling of products and materials shall be in accordance with the manufacturer's recommendations, Section 01600 of the specification and the following provisions:
  - a) Delivery storage and handling shall at all times be performed in a manner to avoid product damage.
  - b) Pipes and fittings shall not come in contact with any sharp projections that may cause damage to the pipes and fittings during transportation loading and unloading. Ensure that pipes and fittings are well secured during transit and adequately supported along their length. Cover pipes and fittings of plastic materials during transportation. Do not allow pipe to overhang the end of a vehicle during transportation.
  - c) Ensure that pipes and fittings are lifted using nylon or large diameter rope slings positioned at a quarter of the pipe length from each end. Do not allow the use of wire rope chains or unpadded forks or clamps on forklifts to lift pipes.