

- B. Pump installed in wet well (wet pit installation) shall be metallic complying with applicable BS EN and ANSI standard. The pump shall be automatically and firmly connected to the discharge connection, guided by no less than two parallel guide bars extending from the top of the station to the wet well mounted discharge connection. There shall be no need for personnel to enter the wet-well. Sealing of the pumping unit to the discharge connection shall be accomplished by a machined metal to metal contact. Sealing of the discharge interface with a diaphragm, O-ring or profile gasket will not be accepted. The entire weight of the pump/motor unit shall be borne by the pump discharge elbow. No portion of the pump/motor unit shall bear on the sump floor directly or on a sump floor mounted stand.
- C. Pump installed in dry well (dry pit installation) shall be capable of operating in a continuous non submerged condition in horizontal or vertical position and permanently connected to inlet and outlet pipes. Pump shall be of submersible construction and will continue to operate satisfactory if the dry pit is subject to flooding.
- D. Casings shall be metallic satisfying following criteria as a minimum:
- Strength
 - Corrosion resistance
 - Abrasive-wear resistance
 - Casting and machining properties
 - Low cost and selection of the materials complying with applicable BS EN and ANSI standard

Casing shall be free of any blow holes and sand pockets resulting from imperfect and defective castings. Inner surfaces of casing which are in contact with the fluid shall be ideally shaped to match the streamlines and be finished so that minimum head loss and favourable efficiency could be attained.

All screw or bolt and nut seating in the casing should be machined and the joint face of the pump casing should be sealed by means of flat gasket and bolted together.

- E. Impellers shall be metallic non-clog type satisfying following criteria as a minimum:
- Corrosion resistance;