

**IS 8034: 2002**  
(Reaffirmed – 2011)

**Submersible Pumpsets**

**Scope**

This standard prescribes the technical requirements for submersible pumpsets commonly used in boreholes (bore wells or tube wells) for handling clear, cold water.

**Description:**

The submersible pump sets described generally comprise the following:  
Pump sub-assembly, Motor sub-assembly, Coupling, Non-return valve, Discharge casing (if provided) either integral or separate and Cable and cable guards.

**Material of Construction:**

Typical material for major components like Shaft sleeve, Casing wear ring, (if provided), Bush, Discharge casing (if provided), Impeller, Pump bowl/diffuser, Suction casing and Pump shaft are indicated in the standard for guidance of the manufacturer and user.

**Requirements:**

Motor and cables of the pumpset are tested for the requirements as per Submersible motors standard, as applicable. The pumpsets shall be guaranteed for their performance of the nominal volume rate of flow, nominal head, and overall efficiency.

**MARKING**

A name plate of corrosion-resistant materials shall be affixed on the pumpset with the details of Head at nominal duty point, Discharge at nominal duty point, Overall efficiency, etc.