



WATER PRODUCTION DEPARTMENT

SPECIFICATIONS OF GROUNDWATER WELLS MATERIALS

Screen

PVC Screen 8" Dia
Normal inside Dia.8 inches
Min wall thickness 10mm
Slot size : 2 mm
Open Area : 15-20 %
Thread Joints : Trapezoidal with rounded shoulder.

Casing

PVC casing 8" dia.
Normal inside Dia.8 inches
Min wall thickness 10 mm
Thread Joints : Trapezoidal with rounded shoulder.

Seamless pipes

3" dia. M.S Seamless pipes threaded of length 10'
Thickness not less than 5.5 mm, 8 thread per inch, each pipe provided with one socket of same material and thread. The pipe shall be treated from inside and outside of hot dip galvanized



United Arab Emirates

دولة الإمارات العربية المتحدة
الهيئة الاتحادية للكهرباء والماء
Federal Electricity & Water Authority



Submersible pump for deep wells

All the internal & external metal components of the pump are constructed of stainless steel throughout, most of them being cold pressed from stainless steel the guide bearings and the wear rings are made from special high Nitrile content rubber to ensure excellent resistance to wear and abrasion by the sand suspended in Well water.

The hydraulic elements come in two types.

1. Radial flow elements for high discharge head and low flow rate.
2. Semi-axial flow elements for medium flow rates and head.

The pump coupled with stainless steel 316 **submersible motor**, water cool, 3 ph , 380-415 volts , 50 Hz , the complete pumps ranges from (5 HP to 40 HP) the pump provided with suitable **rubber cable** (Sub cable) of good insulation and **starting panel** containing all necessary protection :-contactor, thermal overload, relay, phase failure H/L voltage delay on function timer, MSB's water level control relay, cable for electrodes set of electrodes, lighting arrestor, hand off auto selector switch, indicating lamp for run/trip signal, 24 hours timer should not reset on power failure, 15 minutes program steps. All these wired with markers and necessary terminal blocks and fitted in a suitable enclosure of protection IP55.