

TECHNICAL SPECIFICATION – RO Plant 250 LITERS/HR

The Reverse Osmosis plant shall have various stages of filtration and process to deliver pure water.

The system may be pre assembled or assembled at the site and should have the all components/systems listed below.

Sr. No.	Item Description	Technical Specification
1	Raw water feed pump	1000 LPH, CI
2	Pressure Sand / Sediment filter	Vessel Material :FRP Media : Support Bed + Sand
3	Activated Carbon Filter	Vessel Material :FRP Media : Support Bed + Carbon
4	Antiscalent dosing system	Pump type : Electro-magnetic Antiscalant : MDC 220 Dosing tank : Polypropylene / HDPE
5	Micron Filter	Vessel Material: Polypropylene Filter Elements : 5 micron
6	Reverse Osmosis membrane	Vessel Material :FRP Membrane: TFC-polyamide
7	High Pressure Pump	1000 LPH, 12 bar, Material of Construction : SS 304
8	Flow meter	Required.
9	Pressure Gauges	3 nos., glycerin filled, SS
10	Pressure Switches	2 nos.
11	Automatic back washing at periodic intervals	Required.
12	Auto start / stop based on treated water level in the tank	Required.
13	Dry run protection against no water in Raw water tank	Required.
14	Digital TDS meter for treated water	Required.
15	Internal Tubing	UPVC
16	Skid	Powder coated MS skid & plated hardware.
17	Blending Cartridge	Required.

18. Installation and commissioning

19. Water Test Report

By vendor at BHEL works. To be submitted before dispatch for dispatch clearance

SrD/M(HR) 31/10/17