

500 LPH Water Purifier

SCOPE OF SUPPLY :

The complete Reverse Osmosis plant of capacity 500 LPH .

OUR RECOMMENDATIONS :

Pressure sand filter – Activated carbon filter – Micron filters – Pressure Pump – Dosing unit - Reverse Osmosis System .

Technical specification for 500LPH.

1. Pressure sand filter:

Capacity	: 1000 LPH
Size	: 1354
Material	: FRP
Valves	: Top mounted Filter valve
Media	: Quartz sand of depth 700 mm
Application	: To remove turbidity
Quantity	: 1 no only .

The system is provided with valves & Piping to control flow of water treatment and for cleaning . The water flow is evenly distributed through the sand media and filtered. The suspended matter in water is removed and filtered. Back washing facilities are available in the sand filter to clean the filter.

2. Activated carbon filter:

Capacity	: 1000 LPH
Size	: 1354
Material	: FRP
Valves	: Top mounted Filter valve
Media	: Activated Carbon granules of silver impregnated
Application	: To remove odour , excess chlorine and bad taste from water



Quantity : 1 no only .

The system is provided with valves & Piping to control flow of water treatment and for cleaning. The Activated Carbon filter removes suspended matter and organic impurities presenting water, it also removes bad smell if present in water. The back washing facilities are available which helps to clear the bed of dirt, fines and to reclassify the granules for next cycle.

3. Micron filter :

Flow rate : 1000 LPH
Length of cartridge : 20 inches
Material : HDPE
No of cartridge : 2 Nos
Micron rating : 5,1
Type : PP wound
Quantity : 2 Nos

The cartridges inside the housing are of high quality material . The micron filters remove the suspended matters . When the flow rate reduces the cartridges should be replaced.

4.Dosing pump:

Make : UKL

5. Pressure Pump:

Phase : Single phase /3phase
Motor power :2HP

6. Reverse Osmosis System :

Diameter : 4 inches
Length : 40 inches
Housing : FRB/SS
Membrane :filmtec
Quantity : 2 Sets.

Panel board with instruments

Flow meter : 2 Nos

Pressure gauge

(Glycerin filled) : 3 No

Low pressure switch – 1 No

Electrical connection

With starter : 2 Set

Volt meter :1 No

Amp meter :1 No

Power Indicator :3No

R.O. System is scientifically designed with imported membrane fitted inside with code line vessel. This system is very much essential to reduce raw water TDS for mineral water project to the required standard. This membrane technology also eliminates the bacterial and viruses from the inlet water.

7. Skid:

M.S. Powder coated

Your Scope of supply : The following are excluded from our scope of supply.

The client to provide Raw water at the specified flow and minimum of 1.5 Kg/sq.cm. Pressure. The raw water pumps are excluded from our scope of supply.

All civil works wherever required and interconnection pipe between raw water pump and Inlet of our plant and Outlet of our offered system to the treated water storage tank.