# **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

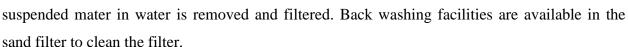
Valves : Top mounted Filter valve

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



## 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 requited 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.