

**Specification of 500 LPH RO Water Treatment Plant**

S.N.	Parameter	Specification	Remarks
<b>Water Treatment Plant</b>		<b>Minimum 500 LPH capacity set-1 with complete installation</b>	
<b>Raw Water Pump :set-1</b>			
1	Type	Centrifugal Pump	
2	Head	Minimum 30 ft	
3	Compatibility	Single Phase 200V, 50 Hz electric	
<b>Sand Media Filter: set-1</b>			
4	MOC	Fiber Reinforced Polymer	
5	Media	Gravel, Pebbles, sand and Anthracite	
<b>Activated Carbon Filter: set-1</b>			
6	MOC	Fiber Reinforced Polymer	
7	Media	Carbon	
<b>Cation Resin Filter Set-1</b>			
8	MOC	Stainless Steel	
9	Media	Cation Resin	
<b>Anti Scalent Dosing System (Metering Pump): set-1</b>			
10	Capacity	High density Polyethene tank with liquid	
11	Pump	Standard	
<b>Micron Filter: set-1</b>			
12	Number of filters	Minimum 1	
13	Micron rating	Standard	
<b>High Pressure Pump: set-1</b>			
14	Head	Minimum 100 feet	
16	Power	Minimum 1HP	
17	Compatibility	Single Phase 200V, 50 Hz electric	
18	MOC	Stainless Steel	
<b>RO Membrane: set-1</b>			
19	Diameter	Standard	
20	Length	Standard	
21	Number of membrane	Minimum 1	
22	Casing	Stainless Steel	
23	Accessories	Standard	
<b>Disinfection System: set-1</b>			
24	Casing	Stainless Steel	
25	Power	Minimum 20W	
26	Compatibility	Single Phase 200V, 50 Hz electric	
<b>Plumbings and Fittings</b>			
27	Feature	CPVC/UPVC	
28	Storage Water Tank	1x 1000 litre and 1x2000 litre (Stainless Steel)	
<b>Terms and Conditions</b>			
29	Warranty	Minimum 3 years provided by OEM for all parts	
30	Standard	ISO or Equivalent for storage water tank, pipes, pumps.	
31	Installation	The plant should be installed by the supplier and demonstration of operation should be given at the time of installation. All necessary installation accessories (like MCB, at least 10 m wire, plugs etc if necessary) should be provided by the supplier.	
32	Training	Operation and Maintenance Training should be given at the time of installation by suppliers	
33	Water Test Report	Lab test for the assurance of quality of water must be done after installation as per WHO/National Standard	