

**Specification of 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	Stainless Steel/Plastic body	
5	Media	Gravel, Pebbles, sand and Anthracite	
<b>Activated Carbon Filter: set-1</b>			
6	MOC	Stainless Steel/Plastic body	
7	Media	Carbon	
<b>Cation Resin Filter Set-1</b>			
8	MOC	Stainless Steel/Plastic body	
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	
<b>RO Membrane: set-1</b>			
18	Diameter	Standard	
19	Length	Standard	
20	Number of membrane	Minimum 1	
21	Casing	Plastic/Stainless steel or better	
22	Accessories	Standard	
<b>Disinfection System: set-1</b>			
23	Casing	Plastic/Stainless steel or better	
24	Power	Minimum 20W	
25	Compatibility	Single Phase 200V, 50 Hz electric	
<b>Plumbings and Fittings</b>			
26	Feature	Stainless Steel/Plastic body or better	
27	Storage Water Tank	1x 1000 litre and 1x2000 litre (Hilltake, Nepatop, Gentex equivalent)	
<b>Terms and Conditions</b>			
28	Warranty	Minimum 3 years provided by OEM for all parts	
29	Standard	ISO or Equivalent for storage water tank, pipes, pumps.	
30	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.	
31	Training	Operation and Maintenance Training should be given at the time of installation by suppliers	
		Lab expenditure for test of water should be provided by the supplier.	
		PH range: 6.5 - 8	
		Hardness(mg/L): less than 200	
		Alkalinity(mg/L): less than 600	
		Chlorides (mg/L): Less than 200	

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Residual Chlorine(mg/L): Less than 0.2
Total Mesophilic bacteria count: Nil
Coliform count: Nil
Faecal coliform: Nil
E Coli: Nil
Salmonella: Nil

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