# DMW PLANT

| Sr# | Description | Qty |
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| | **DMW Plant** <br> Requirements: <br> • Capacity: 6 m$^3$/hr <br> • Design TDS:230 PPM <br> • Treated Water Conductivity: 1-5 micro Siemens/cm <br> • Treated Water pH: Less than 6 <br> • One Complete System, including the following: | |
| 1 | **Feed Pump** <br> • Material of Construction: SS-304 <br> • Type: Horizontal Multistage Centrifugal <br> • Capacity: 8 m$^3$/hr <br> • Pressure: 4 bar <br> • Motor: 2.2 kW <br> • Make: CNP, China or equivalent | One |
| 2 | **Dual Media Filter** <br> • Design Flow Rate: 6 m$^3$/hr <br> • Media: Sand, Anthracite, Gravel <br> • Mode of Operation: Manual <br> • Vessel Size: 24" x 72" <br> • Vessel Material: Fiber Reinforced Plastic <br> • Control System: Manual Multiport Valve <br> • Working Presser: 2-5 bar <br> • In/Out Connections: 1½ inch | 2 |
| 3 | **Deionization Plant** <br> • DI Type: Cocurrent, Two Beds <br> • Design Flow Rate: 6 m$^3$/hr <br> • Cation Resin Volume: 225 Liters <br> • Cation Resin Type: Strong Acid Cation – Purolite C-100 <br> • Anion Resin Volume: 225 Liters <br> • Anion Resin Type: Strong Base Anion – Purolite A-400 <br> • Net Run: 36 m$^3$ <br> • Mode of Operation: Fully Automatic on Conductivity Set Point <br> • Vessel Size: 24" x 62" <br> • Vessel Material: Fiber Reinforced Plastic <br> • Control System SIATA, Italy or Equivalent <br> • Working Pressure: 2-5 bar <br> • In/Out Connections: 1½ inch <br> • Working Presser: 2-5 bar <br> • In/Out Connections:1½ inch | One |
| 4 | **Cation Polisher** <br> • DI Type : Cocurrent, Single Bed <br> • Design Flow Rate: 6 m$^3$/hr <br> • Cation Resin Volume: 175 Liters <br> • Cation Resin Type: Strong Acid Cation – Purolite C-100 <br> • Treated Water pH: Less than 6 <br> • Mode of Operation: Manual <br> • Vessel Size:18" x 65" | One |

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| | • Vessel Material: Fiber Reinforced Plastic<br>• Working Pressure: 2-5 bar<br>• In/Out Connections:1½ inch | |
| 5 | **Instrumentation and Pipe Fittings/Installation**<br> i. Interconnect UPVC Pipes and Fittings<br> ii. Flow meter<br> iii. Level Switch<br> iv. Pressure Switch<br> v. Pressure gauges | One Set |