

MUMBAI OFFICE :-Unit No. 11, Ruby Coach Lane, Marol Nake,
Near Hind Saurashtra Indl. Estate,
Off. Andheri-Kurla Road, Andheri (E), Mumbai - 59.
Tel. : +91 22 28505403
Cell : +91 7359595577
E-mail : rajwater@gmail.comPlot No. : 27, Survey No. 47, Jivraj Industrial Area,
Near Falcan Pump, Vavdi, Gondal Road,
Rajkot - 360 004. (Gujarat) India
Tele : +91 281 - 3291791 / 2922777
Telefax : +91 281 - 2922481
Cell : +91 93757 55777 / +91 74050 55777
Website : www.rajwater.com
E-mail : sales@rajwater.com / info@rajwater.com**DM Plant****Process:**

- **Raw water pump**

For transfer of raw water to DM water plant.

- **Strong Acid Cation Exchanger Unit.**

To desalt the raw water i.e. to remove positive ions from water.

- **Strong Base Anion Exchanger Unit.**

To desalt the raw water i.e. to remove Negative ions from water.

⇒ **SCOPE OF SUPPLY:****The scope of supply for 1000 Ltr/hr) D. M. Plant contains**

| | |
|--|---------------|
| Raw water Pump. | 1 No. |
| Strong Acid Cation Exchanger Unit | 1 No. |
| Strong Acid Cation Exchanger (Regeneration Tank) | 1 No. |
| Strong Base Anion Unit | 1 No. |
| Strong Base Anion (Regeneration Tank) | 1 No. |
| Instruments & Control panel | 1 No. |
| Stand for Unit | 1 Set. |

Source of Water:D.M. plant is designed based on **40 PPM raw water TDS.*****Treated Water Quality***

The approximate quality of treated water is as follows considered for design of system.

| | |
|-------------------------|-------------------------------|
| Suspended Solids | : Nil |
| Turbidity | : Nil |
| pH | : 5 To 7 |
| Chloride | : Nil |
| Conductivity | : Less than < 5 ppm |

Feed Water Conditions For D.M. Plant.

| | |
|-------------------------------|---------------------|
| Max. Temperature | : 40 deg. C |
| Free Chlorine, Bacteria, Oil, | : Nil |
| Iron, Manganese. etc. | : Nil |
| Turbidity | : Less than 1.0 NTU |

MUMBAI OFFICE :-Unit No. 11, Ruby Coach Lane, Marol Nake,
Near Hind Saurashtra Indl. Estate,
Off. Andheri-Kurla Road, Andheri (E), Mumbai - 59.
Tel. : +91 22.28505403
Cell : +91 7359595577
E-mail : rajwater@gmail.comPlot No. : 27, Survey No. 47, Jivraj Industrial Area,
Near Falcan Pump, Vavdi, Gondal Road,
Rajkot - 360 004. (Gujarat) India
Tele : +91 281 - 3291791 / 2922777
Telefax : +91 281 - 2922481
Cell : +91 93757 55777 / +91 74050 55777
Website : www.rajwater.com
E-mail : sales@rajwater.com / info@rajwater.com

Scope of Exclusion

1. Foundation for Equipments and any Civil Works.
2. Power, Water and Electrifications.
3. Raw water storage.

Scope of Supply:

The following are the technical specification for the equipments supply for water treatment plant.

1. Raw Water Pump.

| | |
|--------------|--------------------|
| No. of pump | : 1 Nos. |
| Type of pump | : Centrifugal type |
| Capacity | : 1000Ltr / Hr. |
| Power | : 0.5 HP. |
| Make of Pump | : Kirlosker |

2. Strong Acid Cation Exchanger

| | |
|----------------------------|-----------------------|
| No of stream | : 1 Nos. |
| Model | : DM/ 1054/RW |
| Diameter of vessel | : 10" Dia. |
| H.O.S. | : 54" Dia. |
| Material of construction | : FRP. |
| Max. operating pressure | : 3.0 Kg/cm2. |
| Min. operating pressure | : 1.7 Kg/cm2. |
| Normal Flow rate | : 1000 Ltr ./Hr. |
| Type of Resin | : Strong Acid Cation. |
| Resin qty in Ltrs. | : 50Ltrs. |
| Regeneration Chemical | : HCl 33 %. |
| Regnt. Qty as 33 % Ltr/Reg | : 17ltr44. |
| Net Output / Reg. | : 40 M3. |

3. STRONG ACID CATION EXCHANGER (REGENERATION TANK)

| | |
|----------|------------------|
| Type | :Conical bottom. |
| M.O.C. | :HDPE. |
| Make | :reputed. |
| Capacity | :100ltr |

MUMBAI OFFICE :-Unit No. 11, Ruby Coach Lane, Marol Nake,
Near Hind Saurashtra Indl. Estate,
Off. Andheri-Kurla Road, Andheri (E), Mumbai - 59.
Tel. : +91 22 28505403
Cell : +91 7359595577
E-mail : rajwater@gmail.comPlot No. : 27, Survey No. 47, Jivraj Industrial Area,
Near Falcan Pump, Vavdi, Gondal Road,
Rajkot - 360 004. (Gujarat) India
Tele : +91 281 - 3291791 / 2922777
Telefax : +91 281 - 2922481
Cell : +91 93757 55777 / +91 74050 55777
Website : www.rajwater.com
E-mail : sales@rajwater.com / info@rajwater.com**4.Strong Base Anion Exchanger**

| | |
|---------------------------|----------------------|
| No of stream | : 1 Nos. |
| Model | : DM / 1054 / RW |
| Diameter of vessel | : 10" Dia. |
| H.O.S. | : 54" Dia. |
| Material of construction | : FRP. |
| Max. operating pressure | : 3.0 Kg/cm2. |
| Min. operating pressure | : 1.7 Kg/cm2. . |
| Normal Flow rate | : 1000 Ltr./Hr. |
| Type of Resin | : Strong Base Anion. |
| Resin qty in Ltrs. | : 50 Ltrs. |
| Regeneration Chemical | : NaOH 50 %. |
| Regnt. Qty as 50 % Kg/Reg | : 5KG |
| Net Output / Reg. | : 40 M3. |

5. STRONG ACID CATION EXCHANGER (REGENERATION TANK)

| | |
|----------|------------------|
| Type | :Conical bottom. |
| M.O.C. | :HDPE. |
| Make | : reputed. |
| Capacity | :100ltr |

8.Instruments & Contro Panel**9. Stand For Unit**

Complete stand for unit will be made of M.S

10. Interconnecting Pipe Lines

All interconnecting pipelines up to Raw Water Pump to Storage Tank will be provided of PVC by us.