

**HIJI®R.O.Plant**  
**Model: - HIJI-IRO-2000 LPH**  
**Per Day Capacity:-40000 Liter Max.**

**Technical Specification.**

**Capacity 2000 Liter/Hr**

|                  |                                    |   |
|------------------|------------------------------------|---|
| <b>1</b>         | <b>Raw Water pump</b>              |   |
|                  | Qty.                               | 1 Nos.                                    |
|                  | Capacity                           | 8000 LPH                                  |
|                  | Discharge Pressure                 | 2.5 Kg/cm <sup>2</sup>                    |
|                  | Type                               | Mono Block / Mono Set ( As per required)  |
|                  | Make                               | Lubi                                      |
|                  | Power Consumption                  | 1.5 HP / 1.0 HP (By Customer Side)        |
|                  |                                    |   |
| <b>2</b>         | <b>Pressure Sand Filter</b>        |   |
|                  | Qty.                               | 1 Nos.                                    |
|                  | Type                               | Vertical Pressure Vessel                  |
|                  | Dia                                | 14 Inch                                   |
|                  | Height                             | 65 Inch                                   |
|                  | MOC                                | FRP                                       |
|                  | Filter Media                       | Silica Quartz Sand with Gravels & Pebbles |
|                  | Make                               | Pentair                                   |
| Multi Port Valve | 1 No.                              |   |
|                  |                                    |   |
| <b>3</b>         | <b>Activated Carbon Filter</b>     |   |
|                  | Qty.                               | 1 Nos.                                    |
|                  | Type                               | Vertical Pressure Vessel                  |
|                  | Dia                                | 14Inch                                    |
|                  | Height                             | 65 Inch                                   |
|                  | MOC                                | FRP                                       |
|                  | Filter Media                       | Highly Activated Carbon                   |
|                  | Make                               | Pentair                                   |
| Multi Port Valve | 1 No.                              |   |
|                  |                                    |   |
| <b>4</b>         | <b>Pre Micron Cartridge Filter</b> |   |
|                  | Qty.                               | 2 Nos.                                    |
|                  | Type                               | Replaceable Cartridge                     |
|                  | MOC Of Cartridge                   | Polypropylene                             |
|                  | MOC Of Housing                     | Polycarbonate                             |
|                  | Micron Size                        | 5.0 Micron / 1.0 Micron                   |
|                  | Operating Pressure                 | 2.5 Kg/cm <sup>2</sup>                    |
|                  |                                    |   |

|   |   |  |
|---|---|--|
| <b>5 Special Anti scaling Dosing System</b> |   |  |
| Quantity Offered                            | 1No Of Dosing Pump                                  |  |
| Type  | Electronic Diaphragm Type Dosing Pump               |  |
| Flow Rate                                   | 0-6 LPH   |  |
| Operating Pressure                          | 1.5 Kg/ cm <sup>2</sup>                             |  |
| Make  | M/s E- Dose   |  |
| HDPE Tank Size                              | 100Liter ( By Customer Side)                        |  |
| <b>6 High Pressure Pump</b>                 |   |  |
| Type  | Vertical Centrifugal Multi-Stage type.              |  |
| Capacity                                    | 4000 PLH  |  |
| MOC   | SS  |  |
| Type of Drive                               | 3 Phase Squirrel cage Induction Motor               |  |
| Power Consumption                           | 4.0 HP  |  |
| Make  | Lubi  |  |
| Pressure                                    | 12-15 Kg/Cm <sup>2</sup>                            |  |
| <b>7 R.O. Module</b>                        |   |  |
| Item  | R.O. Module with FRP Pressure tubes & R.O. Membrane |  |
| Type Of Membrane                            | Thin Film Composite Polyamide Spirally Wounded      |  |
| Operating Pressure                          | 12-15 Kg/cm <sup>2</sup>                            |  |
| Make of Membrane                            | M/s. CSM  |  |
| No of Membrane                              | 8 Nos Size:- 40*40                                  |  |
| MOC of Pressure Housing                     | FRP   |  |
| Make of pressure Housing                    | Maxima / Alfa / Q-Tec                               |  |

# Instrumentation

# 2000 LPH

|          |   |   |  |
|----------|---|---|--|
| <b>A</b> | <b>Flow Indicator</b>   |   |  |
|          | Qty.  | 2 Nos.  |  |
|          | Type  | Float Type Panel Mounted  |  |
|          | Max. Opera. Temp.   | 40 Degree   |  |
|          | Measuring Points  | R.O. Module Product & Reject Water Flow   |  |
| <b>B</b> | <b>Pressure Gauge</b>   |   |  |
|          | Qty.  | 5 Nos.  |  |
|          | Range   | 0-20 Kg/Cm2   |  |
|          | Location  | (1) Raw Water Pump Inlet.<br>(2) Pressure Sand Filter Outlet.<br>(3) Activated Carbon Filter Outlet<br>(4) R.O. Module Inlet<br>(5) R.O. Module Reject Flow |  |
| <b>C</b> | <b>High Pressure Switch</b>   |   |  |
|          | Qty   | 1 Nos.  |  |
|          | Location  | After High Pressure Pump  |  |
| <b>D</b> | <b>Pressure control Valve</b>   |   |  |
|          | Location  | Reject water line   |  |
|          | Nos.  | 1 Nos.  |  |
| <b>E</b> | <b>PLC Based Electronic Control Panel with Indicators, Water Level Sensor &amp; On-Off Switch</b> |   |  |
| <b>F</b> | <b>SS Box Pipe Frame</b>  |   |  |
| <b>G</b> | <b>High Grade U-PVC Piping Astral</b>   |   |  |

## Price, Warranty, Term & Condition

**Price:** - Our price for Design, Engineering and Supply of Proposed Water Treatment System based on R.O. System as,

| Sr. | Description   | Qty. | Amount |
|-----|---|------|--------|
| 1   | Model:- <b>HIJI-IRO-2000</b><br>Capacity <b>2000 Liter/Hr</b><br><b>40000 Liter/Day</b> | 1    | Rs.    |

**Warranty:** -The R.O. System supplied is warranted for a period of 12 months from the date of purchase against defective workmanship or poor performance of the system by Dealer.

### **Terms & Condition:-**

- Warranty & Service is provided by the Company.
- Payment 50%Advanced with Purchase Order, 40% at the time of Delivery & 10% on Installation Day.
- Delivery with in 20-25 Days from the date of purchase Order.
- Delivery by Customer Side.
- All the applicable taxes will be charged extra.
- Goods once Sold can not be taken back in any conditions.
- All extra Piping, Storage tank & all other accessories by customer side