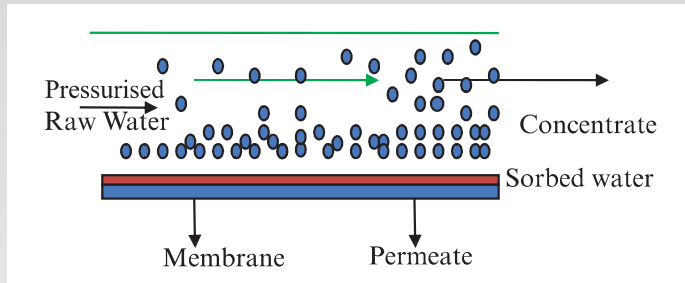


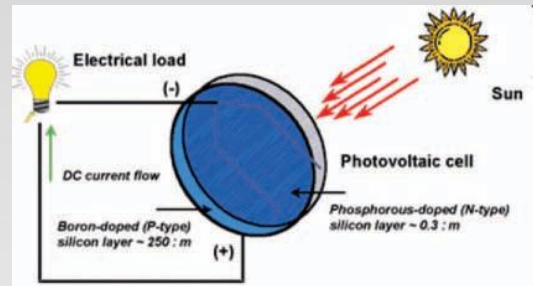


Community level Solar PV Driven Reverse osmosis plant

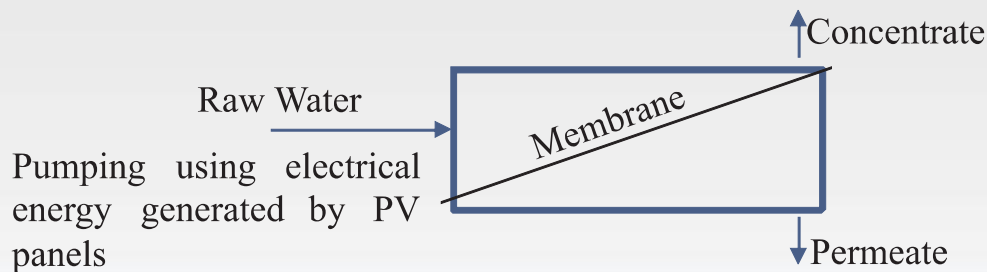
Application : For removal of suspended particles and dissolved salts (up to 2000 mg/l)



Working of Reverse Osmosis (RO)



Working of photovoltaic (PV) cell



Schematic of Solar PV Driven RO Plant



Solar RO Plant

Typical Performance Data of the solar RO Plant

| Parameters | |
|-------------------------------|----------------------------|
| Capacity (lph) | 300 - 600 (10 hrs/ day) |
| Feed salinity (ppm) | 1000 - 2000 |
| Product salinity (ppm) | 10 - 200 |
| Recovery (%) & Pressure (bar) | 70 - 80 & 11-12. 20 & 5 |
| Power Requirement (KW) | 1.6 - 1.8 |

For further details contact :

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