

Technical Specification of Proposed RO plant under CSR works:

RO plant capacity :	500 LPH
Raw water pump :	1 Nos.@3.5 kg/cm ² pressure
Pump flow rate :	1200 ltrs/hr make CRI/Texmo
vessel specification :	10" dia X 54" HOS
Filter medias :	Pebbles, sand, silex & activated carbon
Activated carbon filter vessels :	ACF1054 (make: Aventura / Pentair)
Multiport Valve :	25 NB-Fully Automatic
cartridge filters :	2 Nos. (5 & 10 Micron)PP-Jumbo wound
High pressure pump :	1200 ltrs/hr- SS304
RO skid :	SS Fabricated Skid 1 No.
flow meter :	2 Nos
pressure gauge :	3 Nos
electrical cables :	1 Lot
control panel :	1 No-Auto Panel with low pressure switch
RO Membrane :	2 Nos-4" (Hydraunatics/Filmtec/GE)
Membrane housing :	1 X 2 -1 No
RO Pressure Vessel :	400 PSI-Advance Composite
Float Switch (Low & High) :	1 No
Dosing Systems :	2 Nos-Anti Scalent & pH Booster Dosing
UV Systems :	1 No-500 ltrs/hr

Work under Contractor Scope:

- i) Collection tank to store treated water- stainless steel make
- ii) Raw water Pipeline from inlet point given by BHEL

Under BHEL Scope:

- i) All Civil works like plant room & drains etc.
- ii) 230V 1 ph. 50 Hz electrical supply at 1 point near the RO plant
- iii) Raw water pipeline up to the incoming/inlet of the plant
- iv) Reject/ Back wash effluent/plant drains will be disposed by BHEL
- v) All storage tank other than mentioned in contractor's scope and treated water transfer pump.