

(Annex-B)
REVERSE OSMOSIS PLANT COMPONENTS

S.NO	DESCRIPTION	QUANTITY
1	Raw Water Booster Pump,1.5 HP, 35 GPM, 50 PSI, SS304, with VFD ,CNP motor TEFC(Pump : 1.5 hp Flow: 25 gpm Feed pressure: 50 psi)	1.00
2	Multi Media Filter Vessel ,20 x 72 FRP vessel ,Sosafe (manual backwash Media content: gravel and silica sand Valve: manual Wetted parts: 316 Stainless steel Pressure Gauge: inlet and outlet of each tank	1.00
3	Chemical Dosing Pump ,Anti-scalant dosing, Chemical Tank ,80 Liter HDPE Createc,pre-scaling inhibitor Installation Kit in PVDF	2.00
4	RO Skid Frame ,SS mounted frame ,So Safe	1.00
5	High Pressure Pump corrosion resistant parts,25 GPM, 220 PSI, Pump Fluid End SS304 ,CNP Brand	1.00
6	High Pressure Motor ,7.5 HP ,type TEFC , CNP brand	1.00
7	RO Pressure Vessel ,300 PSI Side Port FRP ,First Line or equavilant	2.00
8	RO Membrane ,Brackish Water Membrane ,Toray/Vontron	2.00
9	Sample Permeate Ports,	
10	Product Flow Meter ,Rotameter	1.00
11	Reject Flow Meter, Rotameter	1.00
12	Pressure Gauges ,Case material: 304 stainless steel Wetted part: 316 Stainless steel Dial size: 2.5" Diameter Process Connection: 1/4" NPT	4.00
13	Pressure Regulator Valve ,SS316	1.00
14	Electrical Control Panel ,NEMA-12	1.00
15	Safety Pressure Switches ,Danfoss	3.00
16	Main Disconnect Switch ,Electrical isolation	1.00
17	Low Pressure Piping ,PVC SCH 80 and flexible polyethylene tubing	1.00
18	High Pressure Piping ,SS-316L	1.00
19	Pre Filter Housing ,5-micron cartridge filter Brand: So Safe Material: PVC/FRP	2.00
20	VFD(Variable Frequency Drive) for speed control ,For HP Pump	1.00
21	TDS Meter ,Feed & Permeate ,Brand: Createc Application: NEMA 4x / IP65	2.00
22	CIP Unit ,100 Gallon Cleaning System , So safe(Tank: 100 gallons Tank Material: HDPE Pump: 316L Stainless steel fluid end Electrical Control Panel: NEMA 12 Filter Canister: 5 microns cartridge (share with RO system) Skid: steel frame Piping: PVC SCH 80 Float: Low Level Pressure Gauge: 0-100 PSI)	1.00
23	pH Meter ,Inline Permeate ,Brand: Createc Application: NEMA 4x / IP65	1.00
24	Feed Water Tank ,400 Gallons ,Master	1.00
25	Product Water Tank ,400 Gallons ,Master	2.00
26	Iron Removal Filter ,20 x 72 with Birm Media ,Sosafe	1.00
27	Activated Carbon media Filter ,13 x 54 Coconut Shell activated carbon,So safe	1.00
28	Post Pressure Pump ,1 HP ,Ocean/Golden	1.00
29	UV Sterilizer ,UV-870, 10 gpm ,So safe ,as per system requirement	1.00
30	UPVC Plumbing ,size 1.5 inch and auto Flash system in the RO system	1.00