

System Specifications:	
Basic Design	
Water Type:	Well water SDI<3
Max TDS feed water:	TDS < 3000 ppm (mg/l)
Max Turbidity feed water:	NTU< 5
Quantity:	1
Manufacture:	IMENAB Co
Permeate flow:	۲۰m ³ /day
Age of recovery:	Variable
Age of salt rejection:	99.8%
Operating pressure:	Variable
Operating temperature:	10- 35°C
Rated power:	6.5 kW
Max temperature:	65°C
Other conditions:	BOD & COD <10(mg/l) – Oil&G <0
Technical Specification:	
Pre Treatment:	
Pressure Sand filter:	
Quantity:	1 piece
Manufacturer:	Hydrotec or Martin or similar
Material:	FRP
Size:	16" *65"
Diameter:	40 cm
Height:	165 cm
Pipe size:	1 inch
Operating temperature:	1 ~ 49 °C (34 ~ 120 °F)
Activated Carbon filter:	
Quantity:	1piece
Manufacturer:	Hydrotec or Martin or similar
Material:	FRP
Size:	16" *65"
Diameter:	40 cm
Height:	165 cm
Pipe size:	1 inch
Operating temperature:	1 ~ 49 °C (34 ~ 120 °F)
Antiscalant Dosing Station:	
Quantity:	1piece
Manufacturer:	Etatron or Seko or similar
Rated flow:	5 lit/hr
Rated head:	70 m
Cartridge:	
Quantity:	2pieces
Manufacturer:	Atlas or similar
Material:	PP
Material Housing:	PP
Type:	4.5" * 20"
Length of cartridge:	20 inch
Max operating pressure:	90 PSI
Porosity:	5 micron

Technical Specification:	
Reverse Osmosis Module:	
high Pressure Pump :	
Quantity:	1piece
Manufacturer:	Lowara or Leo or similar
Material Pump Housing:	Stainless Steel
Rated flow:	Variable
Rated head:	Variable
Liquid temperature eange:	(-15 °C ~ 120 °C)
Speed for pump data:	2900 RPM
Insulation class:	F
RO Membrane	
Quantity:	1piece
Membrane Type:	Polyamide- brackish water
Manufacturer:	Filmtec or similar
Diameter:	4 inch
Max operating temperature:	45 °C~ 113 °F
Max operating pressure:	600 psi ~41bar
pH range:	2 -11
Free chlorine tolerance:	<0.1 ppm
Pressure vessels:	
Quantity:	1pieces
Manufacturer:	Vetec or ROPV
Material of construction:	FRP
Element No:	1
Diameter:	4 inch
Type:	End port or Side port
Max operating pressure:	300 psi
Instrumentation:	
Flow meter :	
Quantity:	3 pieces
Manufacturer:	LZT or TG or similar
Flow rate range:	2 GPM – 10 GPM
Type:	In line or Panel
Float Material	316L- Stainless Steel
Max operating temperature:	80 °C
Max operating pressure:	150 psi
TDS meter:	
Quantity:	1 piece
Manufacturer:	CREATE or similar
Measurement range:	0 ~ 2000 ppm
Accuracy:	1.5% (fs)
Pressure Gauges :	
Quantity:	5 pieces
Manufacturer:	TG or F&G or similar
Material of construction:	Stainless Steel
Range:	0~6 bar - 0~25 bar
Pressure Controller:	
Quantity:	2 pieces
Manufacturer:	Saginomiya or Alco or similar
Type:	Low pressure~high pressureswitch
Piping:	
Size:	1 inch
High Pressure Piping:	Stainless Steel
Low Pressure Piping:	UPVC
Structure:	
Material of construction:	Carbon steel – ST37

