



SARCHESHMEH 100 MW SOLAR



WTP EQUIPMENT LIST



Procedure attachment No : 20-1

Form No :MO-IDD-FR-025-000

Document No : 28P2-B-3MG-SPC-SOL-000000-ME-051

Rev. 00

June.2026

1 of 5

Document Title : WTP EQUIPMENT LIST

WTP EQUIPMENT LIST

00	06.2026	FOR APPROVAL	A.E	A.E	N.S	
Rev.	Date	Status	Prepared	Checked	Approved	AC

		SARCHESHMEH 100 MW SOLAR							 Monenco Iran  Moham Shargh Co.		
		WTP EQUIPMENT LIST									
		Procedure attachment No : 20-1									
		Form No :MO-IDD-FR-025-000									
Document No : 28P2-B-3MG-SPC-SOL-000000-ME-051							Rev.00		June.2026		
									3 of 5		
Document Title : WTP EQUIPMENT LIST											3 of 5
NO.	Tag No.	Description	Type	Specification	Operating/Design Pressure	Operating Temp. (°C)	Material	power (kw)	Service	Remark	
1	00GAD10 BB001/2	RAW WATER STORAGE TANK	VERTICAL	Capacity :30 m3 ID*H: 2.9*4.7 m	ATM	15-30	HDPE	-	2×50%		
2	00GAF10 AP001/2	RAW WATER PUMPS	Multistage Centrifugal	Capacity :1.8 m3/h Head : 4bar	4/6 barg	15-30	IMPLLER: GG25 BODY: GG25 SHAFT: SS	1.5 KW	2×50%		
3	00GBB10 AT001	SAND FILTER	VERTICAL - PRESSURIZED	1.80 m3/hr ID*H: 0.5*1 m	4/6 barg	15-30	FRP	-	1×100%		
4	00GBB20 AT001	ACTIVE CARBON FILTER	VERTICAL - PRESSURIZED	1.8 m3/hr ID*H: 0.5*1 m	4/6 barg	15-30	FRP	-	1×100%		
5	00GBB30 AT001	RO CRTRIDGE FILTER	VERTICAL WOUND CARTRIDGE	1.8 m3/h	4/6 barg	15-30	HOUSING: SS304 CARTRIDGE: PP- Yarn wound	-	1×100%	NO. OF ELEMENT:3 Pcs	
6	00GBK30 AP001	RO HIGH PRESSURE PUMP	CENTRIFUGAL VERTICAL	Capacity :2.5 m3/h Head : 15 bar	17 ~ 11 barg	15-30	SS 316 BODY/IMPLLER/ SHAFT	3 KW	1×100%	POWER SUPPLY: 380V,3ph,50 Hz. VFD TYPE	
7	00GBF10 BB001	RO TRAIN	1PASS /1STAGE	1.1 m3/hr. (each) SKID L*W*H: 7*1*1 m	-	-	SKID carbon steel epoxy coated	-	1×100%	C.A: 3mm	
8		RO PRESSURE VESSLE	SIDE PORT	Dia:4″ 6 ELEMENTS	300 PSI	15-30	FRP	-	1×100%		
9		RO MEMBRANE	SPIRAL WOUND	Dia:4″	300 PSI	15-30	polyamide thin-film composite	-	6		
10	00GBN50 BB001	R.O CLEANING/FLUSHING TANK	VERTICAL	0.25 m3 ID*L: 0.64*1 m	ATM	AMB	HDPE	-	1×100%		
11	00GBN50 AH001	CLEANING TANK HEATER	SUBMERSIBLE	-	ATM	25-45	STAINLESS STEEL 316	TBD	1×100%	LOCAL PANEL,TEMPRETURE SWITCH	
12	00GBN50 AM001	CLEANING TANK MIXER	VERTICAL	SHAFT LENGTH: 800 mm IMPELLER DIA: 145 mm	-	15-30	SS316L	0.55 KW	1×100%	Direct drive / 1500 RPM	

 		SARCHESHMEH 100 MW SOLAR							 		
		WTP EQUIPMENT LIST									
		Procedure attachment No : 20-1									
		Form No :MO-IDD-FR-025-000									
Document No : 28P2-B-3MG-SPC-SOL-000000-ME-051							Rev.00		June.2026		
									3 of 5		
Document Title : WTP EQUIPMENT LIST											4 of 5
NO.	Tag No.	Description	Type	Specification	Operating/Design Pressure	Operating Temp. (°C)	Material	power (kw)	Service	Remark	
13	00GBN50 AP001	R.O CLEANING/FLUSHING PUMP	MULTISTAGE CENTRIFUGAL	Capacity: 3 m3/h Head: 3bar	4/6 barg	25-45	SS 316L BODY/IMPLLER/ SHAFT	1.1 KW	1×100%	POWER SUPPLY: 380V,3ph,50 Hz.	
14	00GBN50 AT001	R.O CLEANING CARTRIDGE FILTER	VERTICAL WOUND CARTRIDGE	3 m3/h	4/6 barg	25-45	HOUSING: SS316L CARTRIDGE: PP- Yarn wound	-	1×100%	NO. OF ELEMENT:5 Pcs	
15	00GAD10 BB001	PERMEATE WATER TANK	VERTICAL	Capacity :30 m3 ID*H: 2.9*4.7 m	ATM	15-30	HDPE	-	1×100%		
16	00GKC20 BB001	POTABLE WATER TANK	VERTICAL	Capacity :20 m3 ID*H: 2.6*4.1 m	ATM	15-30	HDPE	-	1×100%		
17	00GBN10 BB001	HYPOCHLORITE DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
18	00GBN10 AP001	HYPOCHLORITE DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PVC	15 W	1×100%		
19	00GBN40 BB001	SMBS DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
20	00GBN40 AP001	SMBS DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PP	15 W	1×100%		
21	00GBN40 AM001	SMBS DOSING TANK MIXER	VERTICAL	SHAFT LENGTH: TBD mm IMPELLER DIA: TBD mm	-	15-30	SS316L	TBD	1×100%	Direct drive / 1500 RPM	
22	00GBN30 BB001	ANTISCALANT DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
23	00GBN30 AP001	ANTISCALANT DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PP	15 W	1×100%		
24	00GBN30 AM001	ANTISCALANT DOSING TANK MIXER	VERTICAL	SHAFT LENGTH: TBD mm IMPELLER DIA: TBD mm	-	15-30	SS316L	TBD	1×100%		

		SARCHESHMEH 100 MW SOLAR									
		WTP EQUIPMENT LIST									
		Procedure attachment No : 20-1									
		Form No :MO-IDD-FR-025-000									
Document No : 28P2-B-3MG-SPC-SOL-000000-ME-051							Rev.00		June.2026		
									3 of 5		
Document Title : WTP EQUIPMENT LIST											5 of 5
NO.	Tag No.	Description	Type	Specification	Operating/Design Pressure	Operating Temp. (°C)	Material	power (kw)	Service	Remark	
25	00GBN20 BB001	HCL DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
26	00GBN20 AP001	HCL DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PP	15 W	1×100%		
27	00GBN60 BB001	CACL2 DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
28	00GBN60 AP001	CACL2 DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PP	15 W	1×100%		
29	00GBN60 AM001	CACL2 DOSING TANK MIXER	VERTICAL	SHAFT LENGTH: TBD mm IMPELLER DIA: TBD mm	-	15-30	SS316L	TBD	1×100%		
30	00GBN50 BB001	NAOH DOSING TANK	VERTICAL	55 Lit	ATM	15-30	HDPE	-	1×100%		
31	00GBN50 AP001	NAOH DOSING PUMP	SOLENOID PUMP	Capacity: 1 lit/h Head: 8-10 bar	8-10 barg	15-30	PP	15 W	1×100%		
32	2QCY10 AZ001	EYEWASH	-	1.5 -75 lit/min	ATM	15-30	Head Shower: SS Pipe: CS-Galvanized Bowl: SS	-	1×100%		
33	00GCF40 AP001	PORTABLE DRAIN SUMP PUMP	SUBMERSIBLE	Capacity: 5 m3/h Head: 1 bar	ATM	15-30	TBD	TBD	1×100%		