

No.	Description	Items	CAT	CS	IT	Unit Cost	Quan.	Unit	Total	Remarks
1	Instrumentation	Pressure gauge	M	2	7	2,500.00	7	pcs	17,500.00	for replacement of defective PG
2	Instrumentation	Pressure gauge	M	2	6	2,500.00	16	pcs	40,000.00	to be tapped near intake/discharge of pump
3	Pump and motor	Bearing grease	M	2	1	3,000.00	1	lot	3,000.00	
4	Interior lighting	Manual light switch	F	2	5	1,000.00	1	pcs	1,000.00	
5	Outside lighting	80 Watts LED street light	F	2	6	1,500.00	5	pcs	7,500.00	
6	Sound protection	Earmuffs	M	3	9	500.00	5	pcs	2,500.00	for visitors
7	Pump house ventilation	Louver panels (1.2 x 1.5 m)	M	3	5	2,500.00	64	pcs	160,000.00	
8	Internal Data	Valve/Fitting performance curve	M	-	10	-	1	lot	-	from manufacturer
9	Controls	VFD control package	M	3	5	75,000.00	4	pcs	300,000.00	
10	Instrumentation	Portable UFM	M	4	7	100,000.00	1	pcs	100,000.00	
11	Instrumentation	Calibration of UFM	M	-	7	50,000.00	1	pcs	50,000.00	
12	Instrumentation	Calibration of Pressure gauges	M	-	7	1,000.00	7	pcs	7,000.00	Separate calibration fees
13	Motor	Grounding cable	X	4	6	1,000.00	8	pcs	8,000.00	
14	Structural support	Support saddle	S	4	4	12,000.00	30	pcs	360,000.00	
15	Asset reconditioning	Paint	S	-	1	4,500.00	1	lot	4,500.00	Hempthane, primer and top coat included
16	Pipe design	Suction strainer	M	3	6	5,000.00	8	pcs	40,000.00	
17	Internal Data	Asset tags	P	3	4	1,000.00	1	lot	1,000.00	
18	Housekeeping	Plastic catching basin	M	3	1	100.00	8	pcs	800.00	
19	Instrumentation	Vibration monitoring probes	M	4	2	25,000.00	16	pcs	400,000.00	
20	Pipe design	Air vent	P	3	6	20,000.00	8	pcs	160,000.00	
21	Pump and motor	Alignment bolt and washer	M	3	2	300.00	32	pcs	9,600.00	
22	Pipe design	Flow conditioner	P	3	6	10,000.00	6	pcs	60,000.00	
23	Pipe design	Long radius elbow with guide vanes	P	3	5	15,000.00	6	pcs	90,000.00	
24	Pipe design	Flange type long radius elbow	P	3	4	15,000.00	6	pcs	90,000.00	
25	Pipe design	Pipe (700mm)	P	3	5	30,000.00	1	lot	30,000.00	
26	Pipe design	Pipe (600mm)	P	3	5	30,000.00	1	lot	30,000.00	
27	Pipe design	Rubber expansion joint	P	-	6	6,000.00	16	pcs	96,000.00	
28	Machine foundation	Pile footing	S	3	4	30,000.00	32	pcs	960,000.00	
29	Pipe outdoor protection	Angle bar	S	-	6	500.00	25	pcs	12,500.00	
30	Pipe outdoor protection	GI sheet	S	-	6	2,000.00	12	pcs	24,000.00	
31	Pipe outdoor protection	Welding rod	S	-	6	1,200.00	1	lot	1,200.00	
32	Machine foundation	Foundation Block RCC (3x1.5x1.25)	S	3	5	25,000.00	6	pcs	150,000.00	
33	Machine foundation	Foundation Block RCC (3x1.5x1)	S	3	5	20,000.00	2	pcs	40,000.00	
34	Service reliability	Booster Pump	M	3	6	500,000.00	1	pcs	500,000.00	
35	Service reliability	Storage Pump	M	3	6	400,000.00	1	pcs	400,000.00	
36	Service reliability	BP motor	X	3	6	500,000.00	1	pcs	500,000.00	Necessary for another pump
37	Service reliability	SP motor	X	3	6	400,000.00	1	pcs	400,000.00	Necessary for another pump
38	Instrumentation	Vibration analysis	M	-	7	25,000.00	1	lot	25,000.00	Monthly Monitoring
39	Asset reconditioning	Pump and motor realignment	M	-	1	2,500.00	1	lot	2,500.00	Per realignment
40	Service reliability	Check valve	M	-	6	120,000.00	2	pcs	240,000.00	Necessary for additional pump
41	Service reliability	Butterfly valve	M	-	6	45,000.00	4	pcs	180,000.00	Necessary for additional pump
42	Service reliability	VFD control package	M	-	6	75,000.00	2	pcs	150,000.00	Necessary for additional pump
43	Service reliability	Air valve (for additional pumps)	P	-	6	10,000.00	4	pcs	40,000.00	Necessary for additional pump
44	Service reliability	Foundation Block RCC (3x1.5x1.25)	S	-	6	25,000.00	1	pcs	25,000.00	Necessary for additional pump
45	Service reliability	Foundation Block RCC (3x1.5x1)	S	-	6	20,000.00	1	pcs	20,000.00	Necessary for additional pump
46	Service reliability	Pipe (700mm)	P	-	6	10,000.00	1	lot	10,000.00	Necessary for additional pump
47	Service reliability	Pipe (600mm)	P	-	6	10,000.00	1	lot		Necessary for additional pump
48	Service reliability	Pipe (500mm)	P	-	6	10,000.00	1	lot		Necessary for additional pump
49	Service reliability	Support saddle	S	-	6	12,000.00	2	pcs	24,000.00	Necessary for additional pump
50	Smoke Detectors		F	5	4	2,160.00	18	units	38,880.00	
51	Heat Detectors		F	5	4	1,620.00	4	units	6,480.00	
52	Manual Pull Station		F	5	4	1,890.00	4	units	7,560.00	
53	Horn Strobe Annunciator		F	5	4	2,700.00	4	units	10,800.00	
54	Twisted Pair wire 2.5mm2		F	5	4	108.00	275	lm	29,700.00	
55	20mmØ IMC pipe		F	5	4	540.00	60	lengths	32,400.00	
56	Locknut and Bushing		F	5	4	1,350.00	1	lot	1,350.00	
57	15mmØ FMC Conduit		F	5	4	1,890.00	20	lm	37,800.00	
58	FMC Connectors		F	5	4	1,890.00	1	lot	1,890.00	
59	Junction Box		F	5	4	2,160.00	1	lot	2,160.00	
60	Hangers and Supports		F	5	4	810.00	1	lot	810.00	
61	Testing and Commissioning		F	5	4	1,890.00	1	lot	1,890.00	