

BARAN ISRAEL		תשתיות אנרגיה		PROJECT: רציפות תפקודית: 001-BAR-MAN-MTO-028 PROJECT No:1-033-001 SUBJECT: PRMS BEER TOVIA IPM Document No: 001-BAR-MAN-MTO-028		By: B.L. Check: B.L. Rev. 0 Date:17/07/23	
Item No.	Description	Size	Rating	Unit	Qty	Supplied by	Remarks
1	pipe 4 inch API 5L X52 SMLS w.t. 0.250 inch PSL2 WITH COATING Polyethylene THK= 3 mm, acc to spec	4"	6.35MM=SCH 40	m	12	PEI	
2	pipe 10 inch API 5L X52 SMLS w.t. 0.438 inch PSL2 WITH COATING Polyethylene THK= 3 mm, acc to spec	10"	11.1MM=SCH XS	m	24	PEI	
3	pipe 8 inch API 5L X52 SMLS w.t. 0.438 inch PSL2 WITH COATING Polyethylene THK= 3 mm, acc to spec	8"	9.5MM=SCH 60	m	36	PEI	
4	pipe 10 inch API 5L X52 SMLS w.t. 0.438 inch PSL2 , Bare, acc to spec	10"	11.1MM=SCH XS	m	12	PEI	
5	pipe 8 inch API 5L X52 SMLS w.t. 0.375 inch PSL2 , Bare, acc to spec	8"	9.5MM=SCH 60	m	60	PEI	
6	pipe 1/2" inch API 5L,PSL2 sch 80, Bare	1/2"	sch 80	m	6	PEI	
7	pipe 3/4" inch API 5L,PSL2 sch 80, Bare	3/4"	sch 80	m	6	PEI	
8	pipe 1 inch API 5L,PSL2 sch 80, Bare	1"	sch 80	m	24	PEI	
9	pipe 2 inch API 5L,PSL2 sch 80, Bare	2"	sch 80	m	30	PEI	
10	pipe 6 inch API 5L X52 SMLS w.t. 0.344 inch PSL2 , Bare, acc to spec	6"	8.7MM=SCH 80	m	18	PEI	
11	pipe 4 inch API 5L X52 SMLS w.t. 0.250 inch PSL2 , Bare, acc to spec	4"	6.35MM=SCH 40	m	24	PEI	
12	pipe 14 inch API 5L X52 SMLS w.t. 0.5 inch PSL2 Bare, acc to spec	14"	12.7MM	m	6	PEI	
13	induction bend, R=5D,90° 10" API 5L X52 SMLS w.t.0.438 inch PSL2	10"	11.1MM	pc	3	PEI	
14	Elbow 90° 1" SCRD #3000 A105	1"	#3000	pc	15	PEI	
15	Elbow 90° 1" SW #3000 A105	1"	#3000	pc	15	PEI	
16	Elbow 90° 1" bw LR A234 WPR sch 80 c.s.	1"	sch 80	pc	17	PEI	
17	Elbow 90° 4" bw LR A234 WPR sch 80 c.s.	4"	sch 40	pc	8	PEI	
18	Elbow 45° 2" bw LR A234 WPR sch 80 c.s.	2"	sch 80	pc	1	PEI	
19	Elbow 45° 4" bw LR A234 WPR sch 80 c.s.	4"	sch 40	pc	1	PEI	
20	Elbow 90° 2" bw LR A234 WPR sch 80 c.s.	2"	sch 80	pc	10	PEI	
21	Elbow 45° 6" bw LR A234 WPR sch 80 c.s.	6"	sch 80	pc	2	PEI	
22	Elbow 90° 6" bw LR A234 WPR sch 80 c.s.	6"	sch 80	pc	7	PEI	
23	Elbow 90° 8" bw LR A234 WPR sch60 c.s.	8"	sch 60	pc	15	PEI	
24	concentric reducer ASME B16.5 A105 we 2"1 inch sch 80	2"x1"	sch 80	pc	3	PEI	
25	concentric reducer ASME B16.5 A105 we 8"6 inch sch XS	8"x6"	sch XS	pc	2	PEI	
26	eccentric reducer ASME B16.5 A105 we 4"2 inch sch XS	4"x2"	sch XS	pc	2	PEI	
27	eccentric reducer ASME B16.5 A105 we 16"12 inch sch XS	14"x10"	sch XS	pc	1	PEI	
28	Blind Flange ASTM B 16.5 A105 2 inch r.f #150	2"	#150	pc	2	PEI	
29	FIGURE-8 BLANK ASTM B 16.48 A105 8 inch r.f #600	8"	#600	pc	1	PEI	IPM רכישה ע"י תחנת הכח IPM רכישה ע"י תחנת הכח
30	FIGURE-8 BLANK ASTM B 16.48 A105 8 inch r.f #150	8"	#150	pc	1	PEI	
31	Blind Flange ASTM B 16.5 A105 6 inch r.f #600	6"	#600	pc	1	PEI	
32	Blind Flange ASTM B 16.5 A105 6 inch r.f #150	6"	#150	pc	2	PEI	
33	Blind Flange ASTM B 16.5 A105 4 inch r.f #150	4"	#150	pc	2	PEI	
34	Blind Flange ASTM B 16.5 A105 16 inch r.f #600	14"	#600	pc	1	PEI	
35	Flange ASTM B 16.5 A105 6 inch w.n.r.f #150 neck sch xs	6"	sch XS	pc	9	PEI	
36	Flange ASTM B 16.5 A105 6 inch w.n.r.f #600 neck sch XS	6"	sch XS	pc	11	PEI	
37	Flange ASTM B 16.5 A105 8 inch w.n.r.f #150 neck sch 60	8"	sch 60	pc	11	PEI	
38	Flange ASTM B 16.5 A105 8 inch w.n.r.f #600 neck sch 60	8"	sch 60	pc	10	PEI	
39	Flange ASTM B 16.5 A105 2 inch WN.r.f #150 neck sch 80	2"	sch 80	pc	9	PEI	
40	Flange ASTM B 16.5 A105 2 inch WN.r.f #600 neck sch 80	2"	sch 80	pc	9	PEI	
41	Flange ASTM B 16.5 A105 4 inch w.n.r.f #150 neck sch XS	4"	sch XS	pc	5	PEI	
42	Flange ASTM B 16.5 A105 12 inch w.n.r.f #600 neck sch XS	10"	sch XS	pc	8	PEI	
43	Flange ASTM B 16.5 A105 16 inch w.n.r.f #600 neck sch XS	14"	sch XS	pc	1	PEI	
44	Orifice Flange ASTM B 16.5 A105 8 inch w.n.r.f #300 neck sch 60	8"x1/2"x8"x1/2"	sch 60	pair	1	CONTRACTOR	
45	Tredolet ASME B-1.20.1 A-105N 6-10"1 inch npt #3000	6-10"x1"	3000	pc	14	PEI	
46	WELDOLET , BW , A-105N 16"x1" sch80	14"x1"	sch 80	pc	3	PEI	
47	WELDOLET , BW , A-105N 16"x2" sch80	14"x2"	sch 80	pc	1	PEI	
48	HALF COUPLING, FULL BORE 1/2" #3000, A105N	1/2"	#3000	pc	4	PEI	
49	Equal tee cs A234 WPR sch 40 2 inch, we	2"x2"x2	sch 80	pc	3	PEI	
50	Equal tee cs A234 WPR sch 40 4 inch, we	4"x4"x4"	sch 40	pc	2	PEI	
51	HALF COUPLING, FULL BORE 1" #3000, A105N	1"	#3000	pc	4	PEI	
52	Equal tee cs A234 WPR sch 40 6 inch, we	6"x6"x6"	sch 40	pc	2	PEI	
53	BLEED RING 4" , #600, BLEED 3/4" NPT, A105N	4"x3/4"	#600	pc	1	PEI	
54	Equal tee cs A234 WPR sch 60 8 inch, we	8"x8"x8"	sch 60	pc	4	PEI	
55	Reducer tee ASME B 16.9 A234 WPR sch 80, 12 * 6" 12 inch, we	10"x6"x10"	sch 80	pc	3	PEI	
56	Reducer tee ASME B 16.9 A234 WPR sch 80, 12 * 8" 12 inch, we	10"x8"x10"	sch 80	pc	1	PEI	
57	Reducer tee ASME B 16.9 A234 WPR sch 80, 2 * 1 * 2 inch, we	2"x1"x2"	sch 80	pc	5	PEI	
58	Reducer tee ASME B 16.9 A234 WPR sch XS, 8 * 4" 8 inch, we	8"x4"x8"	sch XS	pc	2	PEI	
59	Reducer tee ASME B 16.9 A234 WPR sch STD, 4 *2 *4 inch, we	4"x2"x4"	sch STD	pc	4	PEI	
60	Reducer tee ASME B 16.9 A234 WPR sch STD, 8 * 6" 8 inch, we	8"x6"x8"	sch STD	pc	5	PEI	
61	Gasket klingerit c4408, 2mm,2 Inch #150 or equivalent	2"	#150	pc	20	PEI	
62	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 2" 600#	2"	#600	pc	12	PEI	
63	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 4" 600#	4"	#600	pc	3	PEI	
64	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 6"600#	6"	#600	pc	20	PEI	
65	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 8" 600#	8"	#600	pc	14	PEI	
66	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 10" 600#	10"	#600	pc	10	PEI	
67	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 14" 600#	14"	#600	pc	2	PEI	
68	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange1" 600#	1"	#600	pc	2	PEI	
69	Gasket klingerit c4408, 2mm, 8 Inch #300 or equivalent	8"	#300	pc	3	PEI	
70	Gasket klingerit c4408, 2mm,4 Inch #150 or equivalent	4"	#150	pc	6	PEI	
71	Gasket klingerit c4408, 2mm, 6 Inch #150 or equivalent	6"	#150	pc	18	PEI	
72	Gasket klingerit c4408, 2mm, 8 Inch #150 or equivalent	8"	#150	pc	30	PEI	
73	ASTM A193 B7, 5/8" x5" STUD BOLT B7/2H	5/8" x 5"		set	8	PEI	1"-600#
74	ASTM A193 B7, 5/8" x4" STUD BOLT B7/2H	5/8" x 4 1/2"		set	68	PEI	2"-150#
75	ASTM A193 B7, 5/8" x 4 1/2" STUD BOLT B7/2H	5/8" x 4 1/2"		set	40	PEI	4"-150#
76	ASTM A193 B7, 5/8" x 5.1/2 STUD BOLT B7/2H	5/8" x 5.1/2		set	64	PEI	2"-600#
77	ASTM A193 B7, 3/4" x 5 1/2" STUD BOLT B7/2H	3/4" x 5"		set	56	PEI	6"-150#
78	ASTM A193 B7, 3/4" x 5 1/2" STUD BOLT B7/2H	3/4" x 5 1/2"		set		PEI	8"-150#
79	ASTM A193 B7, 7/8" x 7" STUD BOLT B7/2H	7/8" x 7"		set	8	PEI	4"-600#
80	ASTM A193 B7, 7/8" x 8 1/2" STUD BOLT B7/2H	7/8" x 8 1/2"		set	8	PEI	4"-600# BLEED RING
81	ASTM A193 B7, 1" x 8 1/2" STUD BOLT B7/2H	1" x 8 1/2"		set	156	PEI	6"-600#
82	ASTM A193 B7, 1 1/8" x 12" STUD BOLT B7/2H	1 1/8" x 12"		set	12	PEI	600# 8" לחסם
83	ASTM A193 B7, 1 1/8" x 10 1/2" STUD BOLT B7/2H	1 1/8" x 10 1/2"		set		PEI	8"-600#
84	ASTM A193 B7, 1 1/4" x10 1/2" STUD BOLT B7/2H	1.1/4"x10"		set	100	PEI	10"-600#
85	ASTM A193 B7, 1 1/2" x 11 1/2" STUD BOLT B7/2H	1.3/8"x11		set	20	PEI	14"-600#
86	1" NIPPLE PIPE SEAMLESS Sch 160 A106 Gr.B L=6" (T/T) NPT	1"	sch 160	pc	48	PEI	
87	1/2" ELBOW 90 NPT #3000 A105	1/2"	#3000	pc	10	PEI	
88	1/2" PLUG NPT 3000# A105	1/2"	#3000	pc	10	PEI	
89	3/4" PLUG NPT 3000# A105	3/4"	#3000	pc	5	PEI	
90	1" PLUG NPT 3000# A105	1"	#3000	pc	5	PEI	
91	3/4"CAP NPT 3000# A105	3/4"	#3000	pc	5	PEI	
92	1/2" TEE EQ NPT #3000 A105	1/2"	#3000	pc	20	PEI	
93	3/4" TEE EQ NPT #3000 A105	3/4"	#3000	pc	10	PEI	
94	1" TEE EQ NPT #3000 A105	1"	#3000	pc	10	PEI	
95	1/2" HEX. SHORT NIPPLE T/T #3000 NPT	1/2"	#3000	pc	56	PEI	
96	1"x3/4" HEX. BUSHING NPT 3000# A105	1"x3/4"	#3000	pc	13	PEI	
97	1"x1/2" HEX. BUSHING NPT 3000# A105	1"x1/2"	#3000	pc	10	PEI	
98	1/2" UNION NPT #3000 A105	1/2"	#3000	pc	10	PEI	
99	1" UNION NPT #3000 A105	1"	#3000	pc	12	PEI	
100	3/4" CAP NPT 3000# A105	1"	#3000	pc	5	PEI	
101	1/2" NIPPLE PIPE SEAMLESS Sch 160 A106 Gr.B L=4" (T/T) NPT	1/2"	sch 160	pc	60	PEI	
102	3/4" NIPPLE PIPE SEAMLESS Sch 160 A106 Gr.B L=4" (T/T) NPT	3/4"	sch 160	pc	12	PEI	
103	3/4" ELBOW 90 NPT #3000 A105	3/4"	#3000	pc	2	PEI	
104	DEARTOR-VDR-70	6"Ø	#150	pc	1	PEI	3010
105	8" FILTER GLS Series Strainers Model GLS-170/240, 500 m3/h	8"	#150	pc	1	PEI	309
106	8" TURBINE FLOWMETER	8"	#150	pc	1	PEI	3014
107	Pressure relief valve s.p 8.5 bar	6"x4"	#600	pc	1	PEI	PRV 204
108	Safety Relief Valves – spring loaded	1"x3/4"	#600	pc	3	PEI	PSV-209,PSV208,PSV207
109	Safety Relief Valves – spring loaded	1"x3/4"	#150	pc	2	PEI	PSV-205, PSV-210
110	check valve 8inch ,API 6D, rf #600	8"	#600	pc	1	PEI	CH-250
111	check valve 8inch ,API 6D, rf #150	8"	#150	pc	1	PEI	CH-200
112	Pressure Reducing Control Valve s.p 6.5 bar	6"	#600	pc	1	PEI	PCV- 201
113	Differential control valves s.p 5.5 bar	6"	#600	pc	1	PEI	PCV -202
114	BALL VALVE FULL BORE D.B.B. 10 inch #600 HAND OPERATED ACCORDING TO SPEC	10"	#600	pc	2	PEI	HV-130, HV-112
115	BALL VALVE FULL BORE D.B.B. 8 inch #600 HAND OPERATED ACCORDING TO SPEC	8"	#600	pc	2	PEI	HV-107
116	BALL VALVE FULL BORE D.B.B. 6 inch #150 HAND OPERATED ACCORDING TO SPEC	6"	#600	pc	3	PEI	HV-110,HV-111,HV-131
117	BALL VALVE FULL BORE D.B.B. 4 inch #150 HAND OPERATED ACCORDING TO SPEC	4"	#150	pc	1	PEI	HV-121
118	BALL VALVE FULL BORE D.B.B. 8 inch #150 HAND OPERATED ACCORDING TO SPEC	8"	#150	pc	2	PEI	HV-108 HV-101
119	GATE VALVE,10" #600 parallel expanded, FE, DB&B, With ROTOR Electric actuator	10"	#600	pc	1	PEI	MV-109
120	GATE VALVE,6" #600 parallel expanded, FE, DB&B, With ROTOR Electric actuator	6"	#600	pc	2	PEI	,MV123 MV-105
121	GATE VALVE,8" #600 parallel expanded, FE, DB&B, With ROTOR Electric actuator	8"	#600	pc	2	PEI	,MV117,MV-250
122	BALL VALVE FULL BORE , 8 inch #150 HAND OPERATED Electric actuator	8"	#150	pc	1	PEI	MV-200 רכישה ע"י תחנת הכח
123	GATE VALVE,8" #150 parallel expanded, FE, DB&B, With ROTOR Electric actuator	8"	#150	pc	1	PEI	MV-116
124	GATE VALVE,4" #600 parallel expanded, FE, DB&B, HAND OPERATED ACCORDING TO SPEC	4"	#600	pc	1	PEI	HV-103
125	GATE VALVE,4" #150 parallel expanded, FE, DB&B, HAND OPERATED ACCORDING TO SPEC	4"	#150	pc	1	PEI	HV-102
126	Ball valve 2" #150 RF Hand operated	2"	#150	pc	6	PEI	HV113,MV-118,HV119,HV120,HV122,HV223
127	Ball valve 2" #600 RF Hand operated	2"	#600	pc	4	PEI	HV-218,HV219,HV-212,HV220
128	Ball valve 1 inch, #800 , se, npt	1"	CL800	pc	22	PEI	
129	Ball valve 3/4 inch, #800 , se, npt	3/4"	CL800	pc	2	PEI	
130	Ball valve 1/2 inch, #800 , se, npt	1/2"	CL800	pc	34	PEI	
131	MONOLITING INSULATION JOINT	10"	PN100	pc	1	PEI	
132	MONOLITING INSULATION JOINT	8"	PN100	pc	4	PEI	
133	MONOLITING INSULATION JOINT	4"	PN100	pc	2	PEI	
134	12MM PLATE 1000*3000MM, ST 37-2			pc	1	CONTRACTOR	
135	50*5MM ANGLE , EQUAL , RST37-2			M	6	CONTRACTOR	
136	IPN-120 JOIST , DIN 17100 UST 37-1			M	6	CONTRACTOR	
137	6" CLAMP,STANDARD 2 HOLES ST-37			pc	6	CONTRACT	