

BARAN ISRAEL		LIST OF MATERIALS AND PARTS	תשתיות אנרגיה		PROJECT: רציפות תפקודית:PROJECT No:1-033-001 SUBJECT: DALIA PRMS Document No: 001-BAR-MAN-MTO-031			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	24	PEI			
2	pipe 12 inch API 5L X52 SMLS w.t. 0.438 inch PSL2 WITH COATING Polyethylene THK= 3 mm, acc to spec	12 3/4" x 0.438"	11.1MM=SCH XS	m	24	PEI			
3	pipe 12 inch API 5L X52 SMLS w.t. 0.438 inch PSL2 , Bare, acc to spec	12"	11.1MM=SCH XS	m	6	PEI			
4	pipe 8 inch API 5L X52 SMLS w.t. 0.375 inch PSL2 , Bare, acc to spec	8"	9.5MM=SCH 60	m	54	PEI			
5	pipe 1/2" inch API 5L,PSL2 sch 80, Bare	1/2"	sch 80	m	6	PEI			
6	pipe 3/4" inch API 5L,PSL2 sch 80, Bare	3/4"	sch 80	m	6	PEI			
7	pipe 1 inch API 5L,PSL2 sch 80, Bare	1"	sch 80	m	24	PEI			
8	pipe 2 inch API 5L,PSL2 sch 80, Bare	2"	sch 80	m	30	PEI			
9	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			
10	pipe 4 inch API 5L X52 SMLS w.t. 0.250 inch PSL2 , Bare, acc to spec	4"	6.35MM=SCH 40	m	12	PEI			
11	pipe 16 inch API 5L X52 SMLS w.t. 0.5 inch PSL2 ,Bare, acc to spec	16"	12.7MM	m	4	PEI			
12	induction bend, R=5D,90° 12" API 5L X52 SMLS w.t.0.438 inch PSL2	12"	11.1MM	pc	4	PEI			
13	Elbow 90° 1" SCRD #3000 A105	1"	#3000	pc	15	PEI			
14	Elbow 90° 1" SW #3000 A105	1"	#3000	pc	15	PEI			
15	Elbow 90° 2" SW #3000 A105	2"	#3000	pc	15	PEI			
16	Elbow 45° 1" bw LR A234 WPR sch 80 c.s.	1"	sch 80	pc	1	PEI			
17	Elbow 90° 1" bw LR A234 WPR sch 80 c.s.	1"	sch 80	pc	17	PEI			
18	Elbow 90° 4" bw LR A234 WPR sch 80 c.s.	4"	sch 40	pc	8	PEI			
19	Elbow 90° 2" bw LR A234 WPR sch 80 c.s.	2"	sch 80	pc	15	PEI			
20	Elbow 45° 6" bw LR A234 WPR sch 80 c.s.	6"	sch 80	pc	4	PEI			
21	Elbow 90° 6" bw LR A234 WPR sch 80 c.s.	6"	sch 80	pc	6	PEI			
22	Elbow 45° 8" bw LR A234 WPR sch60 c.s.	8"	sch 60	pc	2	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 4*2 inch sch 80	4"X2"	sch 80	pc	3	PEI			
26	concentric reducer ASME B16.5 A105 we 8*6 inch sch XS	8"X6"	sch XS	pc	3	PEI			
27	eccentric reducer ASME B16.5 A105 we 4*2 inch sch XS	4"X2"	sch XS	pc	1	PEI			
28	eccentric reducer ASME B16.5 A105 we 16*12 inch sch XS	16"X12"	sch XS	pc	1	PEI			
29	Blind Flange ASTM B 16.5 A105 2 inch r.f #150	2"	#150	pc	4	PEI			
30	FIGURE-8 BLANK ASTM B 16.48 A105 8 inch r.f #600	8"	#600	pc	1	PEI	דרישה של דליה		
31	FIGURE-8 BLANK ASTM B 16.48 A105 8 inch r.f #150	8"	#150	pc	1	PEI	דרישה של דליה		
32	Blind Flange ASTM B 16.5 A105 8 inch r.f #150	8"	#150	pc	3	PEI			
33	Blind Flange ASTM B 16.5 A105 6 inch r.f #600	6"	#600	pc	1	PEI			
34	Blind Flange ASTM B 16.5 A105 6 inch r.f #150	6"	#150	pc	2	PEI			
35	Blind Flange ASTM B 16.5 A105 4 inch r.f #150	4"	#150	pc	1	PEI			
36	Blind Flange ASTM B 16.5 A105 16 inch r.f #600	16"	#600	pc	1	PEI			
37	Flange ASTM B 16.5 A105 6 inch w.n.r.f #150 neck sch xs	6"	sch XS	pc	12	PEI			
38	Flange ASTM B 16.5 A105 6 inch w.n.r.f #600 neck sch XS	6"	sch XS	pc	12	PEI			
39	Flange ASTM B 16.5 A105 8 inch w.n.r.f #150 neck sch 60	8"	sch 60	pc	13	PEI			
40	Flange ASTM B 16.5 A105 8 inch w.n.r.f #600 neck sch 60	8"	sch 60	pc	8	PEI			
41	Flange ASTM B 16.5 A105 2 inch WN.r.f #150 neck sch 80	2"	sch 80	pc	16	PEI			
42	Flange ASTM B 16.5 A105 2 inch WN.r.f #600 neck sch 80	2"	sch 80	pc	9	PEI			
43	Flange ASTM B 16.5 A105 4 inch w.n.r.f #150 neck sch XS	4"	sch XS	pc	4	PEI			
44	Flange ASTM B 16.5 A105 12 inch w.n.r.f #600 neck sch XS	12"	sch XS	pc	6	PEI			
45	Flange ASTM B 16.5 A105 16 inch w.n.r.f #600 neck sch XS	16"	sch XS	pc	1	PEI			
46	Flange ASTM B 16.5 A105 4 inch s.o.r.f #150	4"	sch 40	pc	1	PEI			
48	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	PEI			
49	Tredolet ASME B-1.20.1 A-105N 6-10*1 inch npt #3000	6-10"X1"	3000	pc	12	PEI			
50	Tredolet ASME B-1.20.1 A-105N 12*1 inch npt #3000	12"X1"	3000	pc	2	PEI			
51	WELDOLET , BW , A-105N 16"X1" sch80	16"X1"	sch 80	pc	3	PEI			
52	WELDOLET , BW , A-105N 16"X2" sch80	16"X2"	sch 80	pc	1	PEI			
53	HALF COUPLING, FULL BORE 1/2" #3000, A105N	1/2"	#3000	pc	4	PEI			
54	Equal tee cs A234 WPR sch 40 2 inch, we	2"X2"X2	sch 80	pc	2	PEI			
55	Equal tee cs A234 WPR sch 40 4 inch, we	4"X4"X4"	sch 40	pc	1	PEI			
56	HALF COUPLING, FULL BORE 1" #3000, A105N	1"	#3000	pc	4	PEI			
57	Equal tee cs A234 WPR sch 40 6 inch, we	6"X6"X6"	sch 40	pc	2	PEI			
58	BLEED RING 4", #600, BLEED 3/4" NPT, A105N	4"X3/4"	#600	pc	1	PEI			
59	Equal tee cs A234 WPR sch 60 8 inch, we	8"X8"X8"	sch 60	pc	4	PEI			
60	Reducer Insert. SW, 2"*1", #3000, A 105N	2"X1"	3000	pc	10	PEI			
61	Reducer tee ASME B 16.9 A234 WPR sch 80, 12 * 6" 12 inch, we	12"X6"X12"	sch 80	pc	3	PEI			
62	Reducer tee ASME B 16.9 A234 WPR sch 80, 12 * 8" 12 inch, we	12"X8"X12"	sch 80	pc	1	PEI			
63	Reducer tee ASME B 16.9 A234 WPR sch 80, 2 * 1 * 2 inch, we	2"X1"X2"	sch 80	pc	5	PEI			
64	Reducer tee ASME B 16.9 A234 WPR sch XS, 8 * 4" 8 inch, we	8"X4"X8"	sch XS	pc	3	PEI			
65	Reducer tee ASME B 16.9 A234 WPR sch STD, 4 *2 *4 inch, we	4"X2"X4"	sch STD	pc	7	PEI			
66	Reducer tee ASME B 16.9 A234 WPR sch STD, 8 * 6" 8 inch, we	8"X6"X8"	sch STD	pc	5	PEI			
67	Gasket klingerit c4408, 2mm,2 Inch #150 or equivalent	2"	#150	pc	16	PEI			
68	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 2" 600#	2"	#600	pc	12	PEI			
69	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 4" 600#	4"	#600	pc	3	PEI			
70	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 6" 600#	6"	#600	pc	20	PEI			
71	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 8" 600#	8"	#600	pc	14	PEI			
72	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 12" 600#	12"	#600	pc	10	PEI			
73	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 16" 600#	16"	#600	pc	2	PEI			
74	spiral wound gasket acc. To ASME B 16.20grafit filledcs centeringss inner ringfor RF flange 1" 600#	1"	#600	pc	2	PEI			
75	Gasket klingerit c4408, 2mm, 8 Inch #300 or equivalent	8"	#300	pc	4	PEI			
76	Gasket klingerit c4408, 2mm,4 Inch #150 or equivalent	4"	#150	pc	6	PEI			
77	Gasket klingerit c4408, 2mm, 6 Inch #150 or equivalent	6"	#150	pc	18	PEI			
78	Gasket klingerit c4408, 2mm, 8 Inch #150 or equivalent	8"	#150	pc	25	PEI			
79	ASTM A193 B7, 5/8" x5" STUD BOLT B7/2H	5/8" x 5"		set	8	PEI	1"-600#		
80	ASTM A193 B7, 5/8" x4" STUD BOLT B7/2H	5/8" x 4 1/2"		set	60	PEI	2"-150#		
81	ASTM A193 B7, 5/8" x 4 1/2" STUD BOLT B7/2H	5/8" x 4 1/2"		set	40	PEI	4"-150#		
82	ASTM A193 B7, 5/8" x 5 1/2 STUD BOLT B7/2H	5/8" x 5 1/2		set	64	PEI	2"-600#		
83	ASTM A193 B7, 3/4" x 5 1/2" STUD BOLT B7/2H	3/4" x 5"		set	56	PEI	6"-150#		
84	ASTM A193 B7, 3/4" x 5 1/2" STUD BOLT B7/2H	3/4" x 5 1/2"		set	136	PEI	8"-150#		
85	ASTM A193 B7, 7/8" x 7" STUD BOLT B7/2H	7/8" x7"		set	8	PEI	4"-600#		
86	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		
87	ASTM A193 B7, 1" x 8 1/2" STUD BOLT B7/2H	1" x 8 1/2"		set	156	PEI	6"-600#		
88	ASTM A193 B7, 1 1/8" x 12" STUD BOLT B7/2H	1 1/8" x 12"		set	12	PEI	600# 8" הסג		
89	ASTM A193 B7, 1 1/8" x 10 1/2" STUD BOLT B7/2H	1 1/8" x 10 1/2"		set	128	PEI	8"-600#		
90	ASTM A193 B7, 1 1/4" x10 1/2" STUD BOLT B7/2H	1 1/4 x 10 1/2"		set	100	PEI	12"-600#		
91	ASTM A193 B7, 1 1/2" x 11 1/2" STUD BOLT B7/2H	1 1/2 x 11 1/2"		set	20	PEI	16"-600#		
92	1" NIPPLE PIPE SEAMLESS Sch 160 A106 Gr.B L=6" (T/T) NPT	1"	sch 160	pc	48	PEI			
93	1/2" ELBOW 90 NPT #3000 A105	1/2"	#3000	pc	10	PEI			
94	1/2" PLUG NPT 3000# A105	1/2"	#3000	pc	10	PEI			
95	3/4" PLUG NPT 3000# A105	3/4"	#3000	pc	5	PEI			
96	1" PLUG NPT 3000# A105	1"	#3000	pc	5	PEI			
97	3/4"CAP NPT 3000# A105	3/4"	#3000	pc	5	PEI			
98	1/2" TEE EQ NPT #3000 A105	1/2"	#3000	pc	20	PEI			
99	3/4" TEE EQ NPT #3000 A105	3/4"	#3000	pc	10	PEI			
100	1" TEE EQ NPT #3000 A105	1"	#3000	pc	10	PEI			
101	1/2" HEX. SHORT NIPPLE T/T #3000 NPT	1/2"	#3000	pc	56	PEI			

		LIST OF MATERIALS AND PARTS				PROJECT:רציפות תפקודית:PROJECT No:1-033-001 SUBJECT: DALIA PRMS Document No: 001-BAR-MAN-MTO-031			By: B.L. Check: B.L. Rev.0 Date:17/07/23	
Item No.	Description	Size	Rating	Unit	Qty	Supplied by	Remarks			
132	Ball valve 2" #150 RF Hand operated	2"	#150	pc	5	PEI	HV113,MV-118,HV119,HV120,HV122			
133	Ball valve 2" #600 RF Hand operated	2"	#600	pc	4	PEI	HV-218,HV219,HV-212,HV220			
134	Ball valve 1 inch , #800 , se, npt	1"	CL800	pc	22	PEI				
135	Ball valve 3/4 inch , #800 , se, npt	3/4"	CL800	pc	2	PEI				
136	Ball valve 1/2 inch , #800 , se, npt	1/2"	CL800	pc	34	PEI				
137	MONOLITING INSULATION JOINT	12"	PN100	pc	1	PEI				
138	MONOLITING INSULATION JOINT	8"	PN100	pc	3	PEI				
139	MONOLITING INSULATION JOINT	4"	PN100	pc	2	PEI				
140	12MM PLATE 1000*3000MM, ST 37-2			pc	1	CONTRACTOR				
141	50*5MM ANGLE ,EQUAL , RST37-2			M	6	CONTRACTOR				
142	IPN-120 JOIST , DIN 17100 UST 37-1			M	6	CONTRACTOR				
143	6" CLAMP,STANDARD 2 HOLES ST-37			pc	6	CONTRACTOR				
144	8" CLAMP,STANDARD 2 HOLES ST-37			pc	8	CONTRACTOR				
145	10" CLAMP,STANDARD 2 HOLES ST-37			pc	3	CONTRACTOR				