				"Paz" Engineering & Management (1980) Ltd.				LIST OF MATERIALS AND PARTS			Job No. 4575	LM.No.
								P.I. No.			SH.:1 OF: 8	
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY								
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556								
GENERAL DESCRIPTION: PIPES & FITTINGS				REFERENCE DWG'S:								
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT			UNIT PRICE (NIS)	TOTAL (NIS)			
1	16"	0.375"	Pipe seamed ,E.R.W API 5LB	IE120079	m	504						
2	12"	sch.40	Pipe Seamless , A 106 B acc.to ASME B36.10	IE120185	m	384						
3	10"	sch.40	Ditto	IE120178	m	102						
4	8"	sch.40	Ditto	IE120212	m	12						
5	6"	sch.40	Ditto	IE120208	m	354						
6	4"	sch.40	Pipe Seamless , A 106 B acc.to ASME B36.10	IE120202	m	12						
7	3"	sch.40	Ditto	IE120199	m	6						
8	2"	sch.80	Ditto	IE120191	m	12						
9	1"	sch.80	Pipe Seamless , A 106 B acc.to ASME B36.10	IE120174	m	24						
10												
11	16"	0.375"	Pipe seamed ,E.R.W API 5LB outside coated P.E.three-laye APC3, thk=4 mm	IE120080	m	1070						
12	12"	sch.40	Pipe Seamless , A 106 B acc.to ASME B 36.10 outside coated P.E.three-laye APC3, thk=4 mm	IE120184	m	1116						
13	10"	sch.40	Ditto	IE120500	m	12						
14	8"	sch.40	Ditto	IE120214	m	12						
15	6"	sch.40	Ditto	IE120501	m	900						
16												
17	16"	sch.std	Eq. TEE B.W. A-234 WPB ASME B16.9	IE010701	Pcs	18						
18	12"	sch.std	Ditto	IE010695	Pcs	7						
19	10"	sch.40	Ditto	IE010692	Psc	5						
20	8"	sch.40	Ditto	IE010749	Pcs	2						
21	6"	sch.40	Ditto	IE010746	Pcs	14						
P3			For Bid			17.01.24	M.H.	M.H.		Z.S.		
P2			For Bid			9.5.23	M.H.	M.H.		Z.S.		
P1			For Approval			24.04.23	S.K	M.H.		Z.S.		
P0			For Approval			30.03.23	M.H	Z.S.		Z.S.		
ISSUE			DESCRIPTION			DATE	PREP.	CKD.		APR.		





"Paz" Engineering & Management (1980) Ltd.


LIST OF MATERIALS AND PARTS


Job No. 4575	LM.No.
P.I. No.	SH.:2 OF:8


BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY					
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556					
GENERAL DESCRIPTION: FITTINGS				REFERENCE DWG'S:					
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT			UNIT PRICE (NIS)	TOTAL (NIS)
22	16"	sch.std	Elbow 90° L.R. B.W. A-234 WPB ASME B16.9	IE012510	Pcs	40			
23	12"	sch.std	Ditto	IE012509	Pcs	36			
24	10"	sch.40	Ditto	IE012507	Pcs	10			
25	6"	sch.40	Ditto	IE012503	Pcs	15			
26	3"	sch.40	Ditto	IE012516	Pcs	12			
27	2"	sch.40	Ditto	IE012597	Pcs	12			
28									
29	16"	sch.std	Elbow 45° L.R. B.W. A-234 WPB	IE012493	Pcs	22			
30	12"	sch.std	Ditto	IE012491	Pcs	20			
31	10"	sch.40	Ditto	IE012508	Pcs	6			
32	6"	sch.40	Ditto	IE012503	Pcs	8			
33									
34	18X16"	sch.std	Ecc.reducer ASME B16.9 A105 we 18 * 16 " std	IE011673	Pcs	6			
35	16"X12"	sch.std	Ditto	IE011652	Pcs	6			
36	6"X4"	sch.40	Ditto	IE011842	Pcs	6			
37									
38	16"X12"	sch.std	Con. Reducer, B.W. A-234 WPB ASME B16.9	IE011652	Pcs	2			
39									
40	12"X10"	sch.std	Red.Tee B.W. A-234 WPB ASME B16.9	IE010792	Pcs	3			
41	12"X8"	sch.std	Ditto	IE010783	Pcs	1			
42	12"X6"	sch.std	Ditto	IE010794	Pcs	1			
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.	
P1	For Approval				24.04.23	S.K	M.H.	Z.S.	
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.	
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.	


				"Paz" Engineering & Management (1980) Ltd.				LIST OF MATERIALS AND PARTS			Job No. 4575	LM.No.
											P.I. No.	SH.:3 OF: 8
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY								
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556								
GENERAL DESCRIPTION: FLANGES & VALVES				REFERENCE DWG'S:								
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT				UNIT PRICE (NIS)	TOTAL (NIS)		
43	18"	150#	Flange W.N. R.F. A-105 ASME B16.5 bored to sch.std	IE010187	Pcs	6						
44	16"	150#	Ditto	IE010175	Pcs	36						
45	12"	150#	Ditto	IE010150	Pcs	24						
46	10"	150#	Flange W.N. R.F. A-105 ASME B16.5bored to sch.40	IE010135	Pcs	35						
47	8"	150#	Flange W.N. R.F. A-105 bored to sch.40	IE010299	Pcs	4						
48	6"	150#	Ditto	IE010285	Pcs	50						
49	4"	150#	Ditto	IE012813	Pcs	12						
50												
51	12"	150#	Blind Flange R.F. A-105 ASME B16.5	IE010025	Pcs	2						
52	10"	150#	Ditto	IE010019	Pcs	4						
53	6"	150#	Ditto	IE013361	Pcs	6						
54	16"	150#	Gate Valves , Slab type, DBB, F.B Cast carbon steel body to A-216 GR WCB. Acc. to API 6D, Flanged to ASME B16.5 with Electric actuator. (see Specif.4575-023)	IE080113	Pcs	7	1513÷1563, 4080					
55	12"	150#	Ditto	IE080112	Pcs	6	1511÷1561					
56	10"	150#	Ditto	IE080111	Pcs	3	4081, 2089, 2088					
57	8"	150#	Ditto	IE080680	Pcs	1	4083					
58	6"	150#	Ditto	IE080681	Pcs	1	4084					
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.				
P1	For Approval				24.04.23	S.K	M.H.	Z.S.				
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.				
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.				

				"Paz" Engineering & Management (1980) Ltd.				LIST OF MATERIALS AND PARTS			Job No. 4575	LM.No.
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY								
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556								
GENERAL DESCRIPTION: VALVES				REFERENCE DWG'S:								
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT		VALVE NUMBER	UNIT PRICE (NIS)	TOTAL (NIS)			
59	16"	150#	Gate Valves , Slab type, DBB, F.B Cast carbon steel body to A-216 GR WCB. Acc. to API 6D, Flanged to ASME B16.5 Gear operated (see Specif.4575-023)	IE080682	Pcs	6	1514 ÷1564					
60	12"	150#	Ditto	IE080683	Pcs	6	1512 ÷1562					
61												
62	16"	150#	Gate Valves , Cast carbon steel body to A-216 GR WCB. Acc. to API 600, Flanged to ASME B16.5 Gear operated	IE080684	Pcs	6	1519 ÷1569					
63	10"	150#	Ditto	IE080685	Pcs	6	15101÷15601					
64												
65	6"	150#	Gate Valves , Slab type, DBB, F.B Cast carbon steel body to A-216 GR WCB. Acc. to API 6D, Flanged to ASME B16.5 Hand operated (see Specif.4575-023)	IE080686	Pcs	12	1515÷1565, 1518÷1568					
66												
67	6"	150#	Gate Valves , Cast carbon steel body to A-216 GR WCB. Acc. to API 600, Flanged to ASME B16.5 Hand operated	IE080687	Pcs	6	1517÷1567					
68	4"	150#	Ditto	IE080688	Pcs	6	1516÷1566					
69	3"	150#	Ditto	IE080689	Pcs	6	1510÷1560					
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.				
P1	For Approval				24.04.23	S.K	M.H.	Z.S.				
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.				
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.				

				"Paz" Engineering & Management (1980) Ltd.				LIST OF MATERIALS AND PARTS			Job No. 4575	LM.No.
								P.I. No.			SH.:5 OF: 8	
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY								
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556								
GENERAL DESCRIPTION: CHECK VALE & PLIDCO				REFERENCE DWG'S:								
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT		VALVE NUMBER	UNIT PRICE (NIS)	TOTAL (NIS)			
70	16"	150#	Check Valve swing type with cast steel body and steel disc 13% CH. TRIM ACC. To API 6D. Flanged to ASME B16.5. - Body : ASTM A216 WCC - Cover :ASTM A216 WCC - Disc : ASTM A216 WCC +13% Cr. faced - Seat : ASTM A516 GR70 -Hing : ASTM A216 WCC - Shaft : 316 Stainless - Gland Body : ASTM A350 LF2 - Bolting ASTM A193 B7/A194 2H - Static Seals : Viton or PTFE - Dynamic Seals Viton or PTFE - ID plate: 316 Stainless	IE080690	Pcs	6	15102÷15602					
71	6"	150#	Ditto	IE080691	Pcs	6	15103÷15603					
72												
73	10"	150#	Plidco weld+ end (2089)	IE110059	Pcs	1						
74	8"	150#	Ditto (4083) (4084)	IE110078	Pcs	2						
75	6"	150#	Ditto	IE110077	Pcs	2						
76												
77	16"X6"	std	Weldolet A105 MSS SP-97	IE013340	Pcs	6						
78	3"		OPW Adaptor typ 633 LAS with flange ANSI 150#	IE013341	Pcs	6						
79	3"		OPW Dust plug typ 634 B	IE013342	Pcs	6						
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.				
P1	For Approval				24.04.23	S.K	M.H.	Z.S.				
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.				
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.				

				"Paz" Engineering & Management (1980) Ltd.				LIST OF MATERIALS AND PARTS		Job No. 4575	LM.No.
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY							
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556							
GENERAL DESCRIPTION: LINK SEAL & SPECTACLE BLIND VALVE				REFERENCE DWG'S:							
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT			UNIT PRICE (NIS)	TOTAL (NIS)		
80	16"		Link Seal for pipe 16" + 2 sets of seal elements. Sleeve lengths l=850mm Type: Oil Resistant Seal Element: Nitrile (Green) Pressure Plates: Composite Bolts & Nuts: Carbon steel, zinc dichromated with corrosion inhibiting coating.	IE013343	Pcs	8	551,554,555, between 553-554				
81	16"		Ditto for pipe 16" but sleeve lengths l=950mm	IE013344	Pcs	6	552, 553, 556				
82	12"		Ditto for pipe 12" but sleeve lengths l=850mm	IE013345	Pcs	4	551, 554, 555, between 553-554				
83	12"		Ditto for pipe 12" but sleeve lengths l=950mm	IE013346	Pcs	3	552, 553, 556				
84	10"		Ditto for pipe 10" but sleeve lengths l=1050mm	IE013347	Pcs	1	552				
85	10"		Ditto for pipe 10" but sleeve lengths l=950mm	IE013348	Pcs	3	553, 554, 556				
86	10"		Ditto for pipe 10" but sleeve lengths l=850mm	IE013349	Pcs	2	551555				
87	6"		Ditto for pipe 6" but sleeve lengths l=1050mm	IE013350	Pcs	1	556				
88	6"		Ditto for pipe 6" but sleeve lengths l=950mm	IE013351	Pcs	2	552, 553				
89	6"		Ditto for pipe 6" but sleeve lengths l=850mm	IE013352	Pcs	4	551, 554, 555, between 553-554				
90											
91	16"	150#	Spectacle Blind valve for installation between flanges 150# ASME B16.5. C.S body, St.St. spectacle plate, O-ring NBR, hex. nut actuation	IE080676	Pcs	12					
92	12"	150#	Ditto	IE080677	Pcs	6					
93	10"	150#	Ditto	IE080678	Pcs	3					
94	8"	150#	Ditto	IE080679	Pcs	6					
95	6"	150#	Ditto	IE080391	Pcs	6					
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.			
P1	For Approval				24.04.23	S.K	M.H.	Z.S.			
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.			
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.			

				"Paz" Engineering & Management (1980) Ltd.			LIST OF MATERIALS AND PARTS			Job No. 4575	LM.No.
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY							
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556							
GENERAL DESCRIPTION: SCR'D FITTINGS & BALL VALVES				REFERENCE DWG'S:							
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT			UNIT PRICE (NIS)	TOTAL (NIS)		
96	16"X1"	3000#	Thredolet, scrd NPT to ASME B-1.20.1, A-105	IE013362	Pcs	6					
97	16"X3/4"	3000#	Ditto	IE012192	Pcs	9					
98											
99	12X1"	3000#	Thredolet, scrd NPT to ASME B-1.20.1, A-105	IE012199	Pcs	6					
100	12"X3/4"	3000#	Ditto	IE012191	Pcs	9					
101											
102	3/4"	3000#	Coupling, NPT A-105		Pcs	25					
103	3/4"	3000#	Plug scrd NPT to ASME B-1.20.1, A-105	IE011992	Pcs	12					
104	1"	3000#	Elbow 90° SCR'D NPT A-105	IE012095	Pcs	12					
105	3/4"	3000#	Ditto	IE012158	Pcs	18					
106	1/2"	3000#	Ditto	IE012102	Pcs	6					
107											
108	1"	3000#	Union cs 1 " se npt	IE012182	Pcs	12					
109											
110	3/4"x1/2"	3000#	Hex. Red. Shoulder Nipple scr'd to NPT A-105	IE011960	Pcs	5					
111	1"	3000#	Hex. \Shoulder Nipple scr'd to NPT A-105	IE013038	Pcs	36					
112	3/4"	3000#	Ditto	IE013063	Pcs	24					
113	1/2"	3000#	Ditto	IE013064		36					
114											
115	1"	800#	Ball valve three piece forged stee body to A-105, screwed NPT, stainless steel 316 ball, lever operated	IE080514	Pcs	6					
116	3/4"	800#	Ditto	IE080512	Pcs	15					
117	1/2"	800#	Ditto	IE080513	Pcs	12					
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.			
P1	For Approval				24.04.23	S.K	M.H.	Z.S.			
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.			
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.			

				"Paz" Engineering & Management (1980) Ltd.				Job No. 4575		LM.No.	
								P.I. No.		SH.:8 OF:8	
BUDGET NO.:				FOR PURCHASE / FOR REFERENCE ONLY							
UNIT: Energy Infrastructure Ltd. Eshel Hanasi				SUBUNIT: Diesel piping for new tanks T-551-T-556							
GENERAL DESCRIPTION: GASKETS & STUD BOLTS				REFERENCE DWG'S:							
ITEM No.	SIZE	RATING	DESCRIPTION	CODE No.	UNIT			UNIT PRICE (NIS)	TOTAL (NIS)		
118	3/4"X1"	3000#	Termo Relief valve, set point 12 Barg scr'd NPT	IE080290	Pcs	14					
119											
120	18"	150# R.F.	Gasket spiral wound acc.to ASME B16.20, A-240 Gr. 304, flexible graphite filler with outer ring thk=3 mm	IE013353	Pcs	1					
121	16"	150# R.F.	Ditto	IE013354	Pcs	64					
122	12"	150# R.F.	Ditto	IE013355	Pcs	36					
123	10"	150# R.F.	Ditto	IE013356	Pcs	30					
124	8"	150# R.F.	Ditto	IE013357	Pcs	5					
125	6"	150# R.F.	Ditto	IE013358	Pcs	55					
126	4"	150# R.F.	Ditto	IE013359	Pcs	16					
127	3"	150# R.F.	Ditto	IE013360	Pcs	6					
128											
129	16X11/8"X6.25"	18" 150# R.F.	Stud bolts w/2 nuts A-193 B-7/A-194-2H	IE040088	Pcs	16					
130	16X1"X5.75"	16" 150# R.F.	Ditto	IE040187	Pcs	1216					
131	12X7/8"X5"	12" 150# R.F.	Ditto	IE040102	Pcs	432					
132	12X7/8"X5"	10" 150# R.F.	Ditto	IE040102	Pcs	228					
133	8x3/4"x4.5"	8" 150# R.F.	Ditto	IE040162	Pcs	32					
134	8x3/4"x4.25"	6" 150#R.F	Ditto	IE040192	Pcs	432					
135	8x5/8"x3.75"	4" 150#R.F	Ditto	IE040160	r Appro	112					
136	4x5/8"x3.75"	3" 150#R.F	Ditto	IE040160	Pcs	64					
137											
138											
P2	For Bid				9.5.23	M.H.	M.H.	Z.S.			
P1	For Approval				24.04.23	S.K	M.H.	Z.S.			
P0	For Approval				30.03.23	M.H	Z.S.	Z.S.			
ISSUE	DESCRIPTION				DATE	PREP.	CKD.	APR.			