

LIST OF MATERIALS AND PARTS		PROJECT: הנחת קו דלק 12" צומת בני ברית SUBJECT: PIPE WORK					Drwgs		
Item No.	Description	Size	Rating	Unit	Qty	Supplied by		Remarks	
1	STEEL PIPE API 5L, L290 (X42) , BARE, LONGITUDINAL SEAM	24" x 0.500"	XS	m	492	PEI			
2	SEAMLESS STEEL PIPE API 5L, L290 (X42) , BARE,	20" x 0.375"	STD	m	6	PEI			
3	SEAMLESS STEEL PIPE API 5L, L360 (X52), THREE LAYERS EXTRUDED HDPE COATING, THK-3 mm	12" x 0.438"		m	900	PEI			
4	SEAMLESS STEEL PIPE API 5L, L360 (X52), THREE LAYERS EXTRUDED PP COATING, THK-6 mm	12" x 0.438"		m	192	PEI			
5	STEEL PIPE API 5L, L290 (X42) , LONGITUDINAL SEAM, THREE LAYERS EXTRUDED HDPE COATING, THK-2mm	2 3/8" x 0.218"	STD	m	90	PEI			
6	"PLIDCO" W+E COUPLING (normal length, seal ring material - Haycar, 1500 psi, with 2 rows of screws)	12"		pc	4	PEI			
7	"PLIDCO" FLANGE (normal length, seal ring material - Haycar, 1500 psi)	12"		pc	2	PEI		בהשאלה	
8	"PLIDCO" Clamp + Rings (normal length, seal ring material - Haycar, 1500 psi)	12"		pc	2	PEI		בהשאלה	
9	FLANGE WN,RF,ASTM A-105, ASME B 16.5	2"	#150	pc	20	CONTRACTOR			
10	ELL.90°, L.R. CS WE, ASTM A105, ASME B16.9	2"	80	pc	30	CONTRACTOR			
11	STUD BOLTS + 2 NUTS, ASTM A-193/A-194	5/8" x 3 1/2"	#150	pc	40	CONTRACTOR			
12	RED.ECC. CS WE, ASTM A105, ASME B16.9	24"x20	STD	pc	6	PEI			
13	INSULATOR MF midi FOR PIPE 12"	12"	THK=50mm	pc	1400	PEI		SGM	
14	PIPE SUPPORT "DIMEX"	12"	H=36mm	pc	22	PEI		DIMEX	
15	Gasing seal CSEM-F/ CASEAL 540/180-425	20"x 12"		pc	6	PEI		TYCO/RAYCHE	
16	EPOXY PRIMER PART A+B (S 1301)			kit	60	PEI		TYCO/RAYCHE	
17	PE-MELT -STICK PE	25mm x 305mm		pc	8	PEI			
18	PP-MELT -STICK PP	25mm x 305mm		pc	4	PEI			
19	MARKING TAPE RED / WHITE Width 7 cm			m	1000	CONTRACTOR			
20	TAPE INNER DENSO DENSOLEN -N60 CORE DIAMETER 41mm	100mm x 10m		roll	70	CONTRACTOR		DENSO	
21	TAPE OUTER DENSO DENSOLEN -S20 CORE DIAMETER 41mm	100mm x 24m		roll	30	CONTRACTOR		DENSO	
22	DENSOLEN PRIMER HT FOR ITEM 20-21			liter	30	CONTRACTOR		DENSO	
23	ELL.90°, L.R. CS WE, ASTM A105, ASME B16.9	12" x 0.438		pc	5	PEI			
24	ELL.45°, L.R. CS WE, ASTM A105, ASME B16.9	12" x 0.438		pc	10	PEI			
BARAN ISRAEL LTD. OMARIM 8, INDUSTRIAL ZONE OMER, 84965 TEL: 08-6200100		Prepared for PETROLEUM & ENERGY INFRASTRUCTURES LTD	Prep.E.S. 25.08.20	Ckd.E.E 25.08.20	App.	Date: 25.08.20	LIST No. 1-400-080	Issue: P0	SHEET 1OF2

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Item No.	Description	Size	Rating	Unit	Qty	Supplied by		Remarks		
25	DENSOLID -HDD			box	2	CONTRACTOR		DENSO		
26	POLYETHYLENE INNER TAPE, BLACK	6" x 200'	20 mils	pc	2	PEI				
27	POLYETHYLENE OUTER TAPE,WHITE	6" x 200'	30 mils	ps	2	PEI				
28	PRIMER #1027 FOR ITEM 26-27			gallon	1	PEI				
29	GATE VALVE, parallel expanded, FE, DB&B, With ROTORK Electric actuator	12"	#600	pc	1	PEI				
30	FLANGE WN,RF,ASME B 16.5 A105	12"	#600	pc	2	PEI				
31	BALL VALVE HO,NPT	1"	Class 800	pc	2	CONTRACTOR				
32	PRESSURE TRANSMITTER 0-120 bar			pc	2	PEI				
33	PRESSURE INDICATOR, 0 - 120 bar,1/2"NPT,with GLYCERINE			pc	2	PEI				
34	EQUAL TEE CS,NPT, A-105	1/2"	#3000	pc	2	CONTRACTOR				
35	ELL.90°, LR, CS, NPT, A-105	1/2"	#3000	pc	2	CONTRACTOR				
36	UNION NPT	2"	#3000	pc	2	CONTRACTOR				
37	UNION NPT	1/2"	#3000	pc	4	CONTRACTOR				
38	HEXAGONAL NIPPLE, NPT	1/2"	#3000	pc	4	CONTRACTOR				
39	REDUCING HEX HEAD BUSHING	1" x 1/2"	#3000	pc	2	CONTRACTOR				
40	MONOLITING INSULATION JOINT	12"	PN100	pc	2	PEI				
41	WCK-3 CLEANING PIG	12"		pc	2	PEI		T.D. Williamson		
42	FOAM PIG TDW	12"		pc	2	PEI		T.D. Williamson		
43	PIG	12"		pc	1	PEI				
44	THREDOLETS	12" x 1"	#3000	pc	2	CONTRACTOR				
45	GASKET KLINGERIT 1000,TNK-1.5mm	12"	#600	pc	4	CONTRACTOR				
46	GASKET "LINK SEAL" LS-425-C-12	16"x12"		pc	2	PEI				
47	" LINK SEAL " STEEL SLEEVE WS MODEL	WS 16-37-S-24		pc	2	PEI				
<u>HOT -TAPPING PARTS (ITEMS 48-60)</u>										
48	"PLIDCO" SPLIT SLEEVE COUPLING WITH 2" NIPPLE	12"		pc	2	PEI				
49	FLANGE WN, RF, A-105	12"	#600	pc	2	CONTRACTOR				
50	BLIND FLANGE RF,A-106	12"	#600	pc	2	CONTRACTOR				
51	WELDOLET BW, A-106	12"x2"	STD	pc	2	CONTRACTOR				
52	CUP BW, A-106	12"	XS	pc	4	CONTRACTOR				
53	FLANGE WN, RF, A-105	2"	#600	pc	2	CONTRACTOR				
54	Bolt 5/8" x4 1/2"ASTM A-193, B7	2"	#600	pc	16	CONTRACTOR				
55	NUT 5/8" ASTM A-194, H2	2"	#600	pc	32	CONTRACTOR				
56	Bolt 1" 1/4 x 9 1/4" ASTM A-193, B7	12"	#600	pc	40	CONTRACTOR				
57	NUT 1" ASTM A-194, H2	12"	#600	pc	80	CONTRACTOR				
58	GASKET KLINGERIT 1000,TNK-1.5mm	12"	#600	pc	4	CONTRACTOR				
59	GASKET KLINGERIT 1000,TNK-1.5mm	2"	#600	pc	4	CONTRACTOR				
60	BALL VALVE, NPT, HO	2"	Class 800	pc	2	CONTRACTOR				
<u>CATHODIC PROTECTION MATERIALS (ITEMS 61- 64)</u>										
61	REFERENCE ELCTRODE "STELTH-2", SRE-007-CUY with cable 15			pc	1	CONTRACTOR				
62	CABLE N2XY – 10 mm			m	150	CONTRACTOR				
62	CABLE N2XY –25 mm			m	100	CONTRACTOR				
63	CP station ("box" type)			pc	3	CONTRACTOR				
64	CP station ("pipe" type)			pc	4	CONTRACTOR				
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