



TREL'S PROJECT RECORD FOR PRESSURE VESSEL , COLUMN, REACTOR AND HEAT EXCHANGER

Updated: March , 2017

Project no.	Project Name	Package	Nos.		Period (M-M, Y)	Owner	Client	Equipment type						U or R-Stamp		Project Scope						
			Design	Fab				Skid & Piping	Pressure Vessel	Shop Tank	Column/Reactor	Heat Exchanger	Pig Launcher/Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair	Install.		
2003																						
2004																						
2005																						
2006																						
2007																						
2008																						
2009																						
10501	Supply Pig Launcher / Receiver	IRPC Natural Gas Pipeline Project	2	2	5610-R-001/5610-L-001 24"x28" thickness 25 mm. A516-70	PTT	TDW								/	/	/	/				
10502	Supply Activated alumina Filter housing	Equipment no. D-412	1	1	D-412 Ø700 ID. x 950 TL-TL x 6t / Ellip Head 2:1 A516-70	PTTCHEM	PTTCHEM								/	/	/	/				
10503	Supply of Column 3 Unit	IRPC- TGTU Project	3	3	19C001 Ø1500 ID. x 7800 TL-TL x 13t / Ellip Head 2:1 A516-60N 19C002 Ø1200 ID. x 12100 TL-TL x 10t / Ellip Head 2:1 A516-60N 19C003 Ø1100 ID. x 16830 TL-TL x 10t / Ellip Head 2:1 A516-60N	IRPC	Uhde			/					/	/	/	/				
10504	Supply Regeneration Gas K.O. Drum	Equipment no. M-385/386	1	2	M-385/386 Ø2100 ID. x4000 TL-TL x 15t / Ellip Head 2:1 A516-70	PTTCHEM	PTTCHEM		/						/	/	/	/				
10506	Fabrication Tail Gas Scrubber Inlet Barrel	AN and MMA Project -	0	1	FT-420-Upper Ø800 ID. x 9414 TL-TL x 6t Material SB688	PTT	CTCI			/						/	/	/				
10507	Fabrication Filter Water Separator	-	1	1	FW10-H-6/559-10 Ø638 ID. x 916 TL-TL x 6t / Ellip Head 2:1 A516-70	NOVATECH	NOVATECH							/	/	/	/					
10508	Supply LPG Vessel	RTC Project	1	1	D-2601 Ø2,000x6,300 TL-TL x18t /Ellip Head 2:1 A516-70	SCG	DEAWOO		/						/	/	/	/				
10509	Supply Ammonia Absorbion Drum	AN and MMA Project -	1	1	RD-218 Ø1,200x1,800 TL-TL x15t /Ellip Head 2:1 A516-70	PTT Asahi	CTCI		/						/	/	/	/				
10510	Fabrication Strong Acid collection Pot	AN and MMA Project -		1	FD-730 Ø600x800 TL-TL x 5t /Ellip Head 2:1 A516-70	PTT Asahi	CTCI		/						/	/	/	/				
10511	Supply Diesel Salt Filter	Supply Pressure Vessel 4C-112	1	1	4C-112 Ø3,200x4,000 TL-TL x28t //Ellip Head 2:1 A516-70	BCP	BCP		/						/	/	/	/				
10512	Fabrication Filter Water Separator	-	1	1	FW10-H-6/559-10 Ø638 ID. x 916 TL-TL x 6t / Ellip Head 2:1 A516-70	NOVATECH	NOVATECH							/	/	/	/					
10513	Fabrication tube Bundle	Supply Tube Bundle for Heat Exchanger 3E-3	1	1	3E-3712 Ø457 OD.x4275 mm SB111-443(Blass) Q'ty 24-Ø3/4"x14 BWG xL 3.48 m.	BCP	BCP					/			/	/	/	/				
10514	Fabrication tube Bundle	Supply Tube Bundle for Heat Exch	1	1	E-3201-51 Pipe 8"x2123 mm SA179 Q'ty 60-Ø15.88x1.24t xL 1.829 m.	Thai Tank Terminal	Thai Tank Terminal					/			/	/	/	/				
10515	Supply Filter housing	-	1	2	S-8701A/B Pipe16"Sch40x2,159 TL-TL A333 Gr.6	Thai Oil	Pall							/	/	/	/					
10516	Supply Tube Bundle	-	1	1	V-740-T-1 SA179 Q'ty 832-Ø25.4x2.76t xL 6 m.	PTTCHEM	PTTCHEM					/			/	/	/	/				
10517	Supply Vent Stack/Liquid Pot	S1 Project	1	2	S-1267/1367 Ø2,200x4,600 TL-TL x12t /Ellip Head 2:1 & Flat A516-70	PTTEP	PTTEP		/						/	/	/	/				
2010																						
11501	Fabrication Pig Receiver /Jib Crane/Pig Handling	Na Norn Nuang Khet Power Plant	1	1	I-2010/50 16"Sch80xL5100x20"x16txL5518 600# SA516-70/SA106-B	PTT Public Company	TDW/RTC		/									/				
11502	Supply Air Receiver and Water Surge Drum	S1 Project	2	4	1) V-1291/V-1391 Ø2,153x3,200 TL-TLx12t /Ellip Head 2:1 SA516-70 2) V-1261/V-1361 Ø2,300x8,750 TL-TLx38.1t /Ellip Head 2:1 SA516-70	PTTEP	PTTEP		/						/	/	/	/				
11503	Supply new Fin Fan and Re-tube for H/E		1	13	1)150-EA-01-1/2 Air Fin Fan SA179 Qty 429-Ø25.4x9144L (2 Unit) 2)2100-E9 Tube Bundle A179 Qty 504-Ø25.4x6096L 3)430-E10 Tube Bundle A179 Qty 333-Ø19.05x6100L 4)3380-E1A/B Tube Bundle A179 Qty 551-Ø19.05x4880L (2 Unit) 5)100-E7 Tube Bundle A179 Qty 316-Ø19.05x6100L 6)100-E16A/B Tube Bundle A179 Qty 1,097-Ø19.05x5600L (2 Unit) 7)100-E8 Tube Bundle A179 Qty 728-Ø19.05x2556L (U-tube) 8)2100-E13 Tube Bundle A179 Qty 722-Ø19.05x6096L 9)2930-E6 Tube Bundle A179 Qty 102-Ø19.05x3048L 10)2200-E6B Tube Bundle A179 Qty 574-Ø19.05x6096L	PTTAR	PTTAR			/					/	/	/	/				
11504	Fabrication Filter Water Separator	-	1	2	FW10-H-6/559-10 Ø638 ID. x 916 TL-TL x 6t / Ellip Head 2:1 A516-70	Novatech	Novatech							/	/	/	/					
11505	Supply new Tube Bundle for H/E		4	4	1)T-273 Tube Bundle SA179 Qty 452-Ø19.05x2.11t x 5 mL 2)T-341 Tube Bundle SA179 Qty 432-Ø19.05x2.11t x 3 mL 3)T-050A Tube Bundle SA179 Qty 512-Ø19.05x2.11x 6 mL 4)T-060A Tube Bundle SA179 Qty 512-Ø19.05x2.11x 6 mL	PTTChem	PTTChem			/					/	/	/	/				
11506	Supply Knock Out Drum	-	1	2	Pipe 14" SchXS x785 TL-TL A106-B	NUCOASTAL	ESS		/						/	/	/	/				
11507	Arthit and Bongkok field development Bundled phase project		1	18	Pipe 14" SchXS x3617 TL-TL SA106-B	PTTEP	PEERLESS/TNS							/	/	/	/	/				
11508	Decanter Feed Line Project	Supply Decanter Feed Tank	3	4	1) 231-VP-101/102 ID750 xT-T1143 A240-316L 2) 231-VP-103 ID600 xT-T1093 A240-316L 3) 231-VP-104 ID600 xT-T1093 A240-316L	PURAC	PURAC		/						/	/	/	/				
11509	TPC-Oxy PVC Paste Resin	Supply V-4701 Recycle VCM Tank	1	1	OD 3350 x T-T3400 SA516-70N	TPC	TPC		/						/	/	/	/				
11510	Bangpra-in Cogeneration Project I	Supply Vertical Multi Tube Filter hc	1	2	S001A/B 16"Sch80 x T-T 1575 SA106-B	BIC	PEERLESS							/	/	/	/	/				
11511	Nong Saeng Power Plant Gas Pipeline Project	Supply Scrapper Launcher 30"x36"	2	2	1) 0697-L-101 2) 0697-R-301	Gulf JP NS	TDW/TRC/Unity/PTT						/		/	/	/	/				
11512	PTTPE LLDPE	Supply Inter cooler U-tube bundle	1	1	E-1102-1 29-U tube A179	PTT Chem	PTT Chem					/			/	/	/	/				
11513	Retube PTT AR3	Retube Heat Exchanger 2100-E-0	1	1	2100-E13 722-Streight Tube A179	PTTAR	PTTAR					/			/	/	/	/				
11514	Nong Saeng Power Plant Gas Pipeline Project	Supply Horizontal Multi Tube Filter	1	2	0697-S-301A/B ID38" x T-T2785 SA516-70N	PTTEP	PEERLESS							/	/	/	/	/				
11516	The Fourth Transmission Pipeline	Supply Pig Launcher /Receiver 48"	2	4	1) 49L00D01 2)4900R001 3)4920R001 4)5920L002	PTTEP	PTT/PENSPEN/ PUNJ LLOYD/TDW						/		/	/	/	/				
11517		Supply Filter housing					PEERLESS							/	/	/	/	/				
11518	Supply Filter housing for Fuel Gas Coalescer	Supply Filter housing for Fuel Gas	1	1	G-1010 ID543 x T-T2194 SA516-70N	PTTGC (PTT-Chem)	PALL							/	/	/	/	/				



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			Design	Fab					Skid & Piping	Pressure Vessel	Shop Tank	Column/Reactor	Heat Exchanger	Pig Launcher/Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair	Install.						
2011																											
12501	PTTAR-IRPC Multiproduce pipe line	Supply Scrapper Launcher 12"x16"	1	1	69U201 12"x16" A106-B		IRPC	TDW					/				/	/	/								
12502	Gas Pipeline and Metering & Recglations Station	Supply Pig Launcher and Receiver	2	2	1) 402-L-001 12"x16" A106-B 2) 402-R-001 12"x16" A106-B		ABPR	TDW					/				/	/	/								
12503	EBSM Upgrading Project	Supply Pressure Vessel	4	4	1)03D017 NG KO Drum ID800 x T-T2000 2)03D018 Oligas Seal Drum ID1700 x T-T3400 3)03D020 MP Steam Drum ID1900 x T-T500 4)03D030 BFW Feed Drum ID3800 x T-T7500		IRPC	IRPC/Technip			/						/	/	/								
12504	CO2 Membrane Feed Gas Heater	Supply Heat Exchanger	1	2	E002 A/B 267-U tube A179		PTT PCL	YTC					/				/	/	/								
12505	6-8th MPF	Supply Flare KO Drum	1	3	V-9920/V-9930/V-9940 ID1200xT-T2500 SA516-70N		PTTEP Siam (LKU)	PTTEP Siam (LKU)			/						/	/	/								
12506	Waste Heat Recovery Unit (WHRU)	Supply Hot oil Filter housing	1	1	2117-S-001 14" XS x T-T 1397		PTT PCL	Pall						/			/	/	/								
12507	SAN III Project	Supply Heat Exchanger package	7	7	1) 42E205 : MECHANICAL SEAL UNIT COOLER 2) 42E211 : REACTOR H.T.M. COOLER 3) 46E601 : DEVOLATILIZER CONDENSER 4) 46E602 : TATAL CONDENSER 5) 46E611 : SOLVENT PURIFICATION TOWER REB 6) 46E612 : PURIFIED SOLVENT COOLER 7) 46E613 : SOLVENT PURIFICATION TOWER CON		IRPC	RPC/UHDE Thailand					/														
12508	SAN III Project	Supply Pressure Vessel package	20	24	1) 41N101 A/B : MONOMER MIXER 2) 46T616 : VENT SEAL POT FOR DMF NO.1 3) 41T106 : ADDITIVE-B SERVICE TANK 4) 46T617 : VENT SEAL POT FOR DMF NO.2 5) 42T201 : MECHANICAL SEAL UNIT TANK 6) 46T601 : MIST SEPARATOR 7) 42T202 : FLUSHING UNIT TANK 8) 46T605 : VACUMN UNIT WATER SEPARATOR 9) 42T208 A/B : ADDITIVE-K FEED TANK 10) 47D701 : BRINE TANK 11) 43T322 A/B : ADDITIVE-J MELTER 12) 48D801 : HOT H.T.M. BANK 13) 43T323 A/B : ADDITIVE-J FEED TANK 14) 48D803 : H.T.M. DRAIN POT 15) 46D601 : WATER SEPARATOR 16) 46D603 : BLOW DOWN TANK 17) 48D810 : H.T.M. OVERHEAD TANK 18) 46D612 : SOLVENT EVAPORATOR 19) 48D806 : FURL GAS DRAIN SEPARATOR 20) 46D614 : SOLVENT PURIFICATION TOWER REFLUX DRUM		IRPC	RPC/UHDE Thailand			/																
12509	C5 Project	Supply 3-Shop Tanks, 5-Heat Exch	6	12	1) T2104A/B Shop Tank 60 m3 SS316L 2) T2502 Shop Tank 75.4 m3 SS316L 3) E2301 Heat Exchanger 4) E2401A/B Heat Exchanger 5) E2402A/B Heat Exchanger 6) V2401A/B,V2402A/B Reactor SS316L		BSTS	BSTS/FWC			/	/	/					/	/	/							
12510	BV 20, 22 Project	Supply 3 Unit of Pig Launcher inclu	3	3	1) 660LR001 Size 16"x20" 2) 660LR002 Size 16"x20" 3) 670LR001 Size 18"x24"		PTT PCL	Italian Thai /TDW					/								/	/					
12511	PE Capacity Expansion Project	Supply Product Purge Bin and Exp	1	1	PE-C-5609 ID4743xID3048 x Total Length 34,777 A516-70		JG Summit	JG/TCCL				/						/	/	/							
12512	Olefins Plant Expansion	Supply New Heat Exchanger Tube	2	5	1) 1 Unit Dilution Steam Blowdown drum cooler T-3205 2) 4 Unit of Secondary Quench water cooler T-230A/B/C/D		PTTGC (PTT-Chem)	PTTGC (PTT-Chem)					/				/	/	/								
12513	PE Capacity Expansion Project	Supply CS & Cyclic Pressrue Vess	18	18	1) C-1406 ICA Surge Tank 2) C-1421 ICA Degassing Column 3) PE-C-4075 BMC-200 Slurry Feed Tank 4) PE-C-4086 Modfier D Feed Tank 5) PE-C-4345 Seal Pot 6) PE-C-4350 Slurry Feed Tank 7) PE-C-4365 DC Feed Pot 8) PE-C-4367 T3 Feed Pot 9) PE-C-4369 Mineral Oil Blow Tank 10) PE-C-5802 Low Pressure Accumulator 11) PE-C-5826 Interstage Accumulator 12) PE-D-5820 Glycol Storage Tank 13) PE-C-2409 Ethylene Deoxo Vessel 14) PE-C-2412 Ethylene Dryers 15) PE-C-2413 Ethylene Dryers 16) PE-C-4040 Catalyst Hold Tank 17) PE-C-4041 Catalyst Hold Tank 18) High Pressure Accumulator		JG Summit	JG/TCCL			/	/	/					/	/	/							
12515	Supply 2 Unit Water Tank	Supply 2 Unit Water Tank	1	2	CS Tank		AMS Australia	AMS Australia			/												/				
12516	OA58 Various Flowline for CFR-D Hub Scrapper trap	Supply Pig Launcher / Receiver	3	78	1) Pig Launcher/Receiver 6"x8" 2)Pig Launcher/Receiver 8"x10" 3)Pig Launcher/Receiver 10"x12"		PTTEP Siam (LKU)	PTTEP Siam (LKU)					/							/	/						
12517	Bangchak Oil Refinery Restructuring Project	Supply TPU Gas oil stripper	1	1	3C-104A ID 1200 x T-T6100 A516-70		BCP	BCP/TCCL				/															
12518	SAKC Expansion	Supply 29-Pressure Vessels and 2	50	53			SAKC	UHDE-Thailand			/		/														
12519	Babiyana Expansion Project	Supply 1 Filter Housing	1	1	MAK-3071 16"STD x T-T2194		Chevron Bangladesh	PALL						/		/	/	/									
12520	Project GAEL and L&P Block Facility Debottlenecking	Supply Stack and Air receiver	2	2	1) S-196 Stack ID 2200 x T-T 4500 with Column 17.9 m materal SA516-70 2) V-1950 Air Receiver ID 2150 x T-T 3200 material SA516-70		PTTEP Siam (LKU)	PTTEP Siam (LKU)			/	/					/	/	/								
2012																											
13501	GUT Gas Pipeline	Supply Pig Launcher / Receiver	3	2	Pig Launcher/Receiver 32"x28"		PTT PCL	TDW					/				/	/	/								
13502	Retube Heat Exchanger	No. 2100-E13 (Tube S-720 EA)	1	1	Retube Heat Exchanger 2100-E13 (Tube S-720 EA)		PTTGC(GC5)	PTTGC(GC5)					/											/			



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			Design	Fab						Skid & Piping	Pressure Vessel	Shop Tank	Column/Reactor	Heat Exchanger	Pig Launcher/Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair	Install.
13503	Supply 2 Unit Heat Exchanger M-EA1401B/C	Supply 2 Unit Heat Exchanger M-E	1	2	Ø19.05 x 2.111 x 6100L x 1020 Holes		TPC	TPC					/			/	/	/				
13504	RWCC Gas Pipeline and Metering & Recgulations Sta	Supply Pig Launcher / Receiver 1	2	2	Pig Launcher/Receiver 16"x12"		RWCC	TDW					/									
13505	PPTC Gas Pipeline and Metering & Recgulations Sta	Supply Pig Launcher / Receiver 1	2	2	Pig Launcher/Receiver 12"x10"		PTT PCL	TDW					/			/	/	/				
13506	SAKC Expansion	Supply Sand Filter Column	1	2	Z-0506A/B Filter Column ID2460 x T-T1900 material SS400		SAKC	Water Doctor	/							/	/	/				
13507	Cation Exchanger ATB	Supply Cation Exchanger	1	1	V-3211 Cation Exchanger Pipe 12" (STD) x T-T 1870 material A106-B		A.T.B.	REE	/							/	/	/				
13508	Refueller 8,000 L-3 Unit Army	Supply Water separator model	1	6	FW10HT655910 ID638 x T-T811 material SA516-70		Novatech	Novatech	/							/	/	/				
13509	North Bangkok Power Plant Block 2 Development Pro	Supply vessel package	2	4	21PGF10 ID500 x T-T1900 Material SA516-70 , 21PGF25 ID300 x T-T 1500 Material SA516-70, 22		EGAT	Alstom	/							/	/	/				
13510	ATC Reformer and Aromatics Complex II	Supply Recovery Column Upper R	1	1	2540-E18 ID915 x T-T 740 Material SA516-60 Tube 19.05 x 2.111 x 3165L QTY 410U		PTTGC(GC5)	PTTGC(GC5)					/			/	/	/				
13511	Retube Heat Exchanger	No. 2100-E13 (Tube S-720 EA)	1	1	Retube Heat Exchanger 2100-E13 (Tube S-720 EA)		PTTGC(GC5)	PTTGC(GC5)					/						/			
13512	Bongkot Field Development Project	Instrument Gas Filter/ Coalescer	1	1	YVXX33 Pipe 14" sch.xs x T-T 3467 Material SA106 Gr.B		Peeless/TNS	PTTEP					/			/	/	/				
13513	TE 2733 Upgrading Mechanical Seal Project	8" Seal oil Filter	1	2	16L-102AB Pipe 8" sch.40s x T-T1367 Material SS316L		SPRC	3M	/							/	/	/				
13514	xxxx	Retube 4 Unit	1	4	2100-E9 (Tube OD25.4 x 2.77 x 6096L S-504 EA) 2100-E10 (Tube OD19.05 x 2.11 x 6096L S-224 EA) 2100-E13 (Tube OD19.05 x 2.11 x 6096L S-722 EA) 2950-E3 (Tube OD25.4 x 2.77 x 3048L U-52 EA)		PTTGC	PTTGC					/					/	/			
13515	VCM I Equipment Replacement	Waste Heat Boiler	1	1	Boiler ID1582 x T-T 3242 Material SA516-70N & SA516-70 + Lining SS304		TPC	TPC	/							/	/	/				
13516	Navanakhon Rangsit Interconnecting Gas Pipeline	Pig launcher & Receiver	1	1	28"x32" Pig Launcher Material SA516-70N		PTT	TDW					/			/	/	/				
13517	TOP-Increase NGLN Project	Supply Fuel Gas KO Drum packag	8	10	1) V-104 (Modified) ID1200 x T-T 3600 Material SA516-60 2) V-2110 (Modified) ID1300 x T-T2710 Material SA516-60 3) V2441 ID850 x T-T 2450 Material SA516-70 4) V-2512 ID600 x T-T2350 Material SA516-70 5) V-2541 ID600 x T-T2350 Material SA516-70 6) V-2606 ID460 x T-T2350 Material SA516-70 7) V-2727 ID1400 x T-T2750 Material SA516-70 8) V-2728 ID900 x T-T2400 Material SA516-70 9) V-4015 (Modified) ID1200 x T-T3600 Material SA516-60 10) V-7205 ID1300 x T-T1700 Material SA516-70		TOL	Uhde	/							/	/	/				
2013																						
14501	Fuel Gas Coalescer	Filter Housing Package	1	4	G110,G120,G130,G1020 ID543 x T-T2873 Material SA516-70N		PTTGC	Pall					/			/	/	/				
14502	SWS Separator Drum / AAG Preheater	Supply Vessel Package	2	3	1) 2D-2511 ID700 x T-T2703 with External Coil Mateial SA516-60+NACE MR0175 2) 2E-2509,2E-2609 ID457.2 x T-T2714 Material SA516-70		BCP	BCP	/				/			/	/	/				
14503	Permanent Production Facility at NSG-A, WPG-A And	Supply Vessel Package	3	10	1) V-422, V-662, V-668, V-1682 ID1650 x T-T2500 Material SA516-70N 2) V-420, V-660, V-1680 ID 1800 x T-T 4500 Material SA516-70N 3) V-427, V-667, V-1687 ID 1350 x T-T 2250 Material SA516-70N		PTTEP	PTTEP	/							/	/	/				
14504	Provincial Gas Transmission Pipeline Project To Nakh	Pig R/L	2	4	1) 6700-L-001 & 002 28"x32" Pig Launcher Material SA516-70N 2) 6700-R-001 & 002 28"x32" Pig Receiver Material SA516-70N		PTT	TDW					/			/	/	/				
14505	VCM I Equipment Replacement	Header Ring	1	1	Bending Pipe For Header Ring		TPC	TPC										/	/			
14506	Arhit Field Development Project	Instrument Gas Filter/ Coalescer	1	3	YVXX33 Pipe 14" sch.xs x T-T 3467 Material SA106 Gr.B		Peeless/TNS	PTTEP					/			/	/	/				
14507	Olefins Plant	Tube Bundle	5	5	1) T-755 (Tube OD19 x 2.1 x 6000L S-1028 EA) Mat'l SA179 2) T-382 (Tube OD19.05 x 2.11 x 3000L U-400 EA) Mat'l SA213-T11 3) T-060B (Tube OD19 x 2.1 x 6000L S-258 EA) Mat'l SA179 4) T-050B (Tube OD19 x 2.1 x 6000L S-512 EA) Mat'l SA179 5) G-1112-T-1 (Tube OD25.4 x 2.77 x 6000L S-60 EA) Mat'l SS316L		PTTGC	PTTGC					/			/	/	/				
14508	HPPP Project	Vessel	5	7	1) D101CD ID1700 x T-T2100 with Jacket Mat'l SS304/SA516-70 2) D105BC ID650 x T-T 850 Mat'l SS304L 3) D250 ID1650 x T-T 4000 Mat'l SS304 4) Z102BC ID500 x T-T 394 Mat'l SS304L 5) Z144 ID350 x T-T 263 Mat'l SS304L		TPC	REPCO	/							/	/	/				
14509	ASIASAL	Vessel	1	1	132 -VA-101 ID3500 x T-T 600 Mat'l SS316L		Purac	Purac	/							/	/	/				
14510	Provincial Gas Transmission Pipeline Project To Nakh	Pig R/L	2	2	6800-L-001 28"x32" Pig Launcher Mat'l SA516-70N 6800-R-001 28"x32" Pig Launcher Mat'l SA516-70N		PTT	TDW					/			/	/	/				
14511	Scrapper Trap Pig Launcher and Receiver	Pig R/L	3	21	1) xxxx 6"x8" Pig Launcher Mat'l SA106 Gr.B 2) xxxx 8"x10" Pig Launcher Mat'l SA106 Gr.B 3) xxxx 10"x12" Pig Launcher Mat'l SA106 Gr.B		PTTEP	TDW					/			/	/	/				
14512	21D001 Separator Improvement	Filter Skid	2	3	1) 21D051 ID840 x T-T420 Mateial SA516-60+NACE MR0175 2) 21F052AB ID539 x T-T2025 Mateial SA516-60+NACE MR0175		IRPC	Pall	/							/	/	/				
14513	-	Heat Exchanger	1	1	E-2103 ID1850 x T-T13877 Mat'l SA516-60 / SS304 Tube 19.05x1.65x15373L (S-3202) Mat'l SS304		PTTGC	PTTGC					/			/	/	/				
14514	Refueller 8,000 L-3 Unit Army	Supply Water separator model	1	5	FW10HT655910 ID638 x T-T811 material SA516-70		Novatech	Novatech	/							/	/	/				
14515	The Reformer & Aromatic Complex II	Fin Fan	1	4	2100-EA4 W3160 x H747 x L9094 Mat'l SA516-70 Tube OD25.4 x 2.765x9150L Mat'l SA179K Fin Tube OD57.15 x 0.411 x 9070L Mat'l SB241-A1060 (Type: Extruded)		PTTGC	PTTGC					/			/	/	/				
14516	DPAX	Supply Heat Exchanger Package	7	8	1) E-218A :ID780 x T-T4864 Tube OD19.05x2.77x4877L (S-868) Mat'l SS304 (V-AEM) 2) E-2188 :ID725 x T-T1816 Tube OD19.05x2.77x1829L (S-740) Mat'l SS304 (V-AEM) 3) TK-701 :ID1800 x T-T1200 Mat'l SS304 4) E-506 :ID565 x T-T3400 Tube OD19.05x1.65x3048L (U-197) Mat'l SS304 (H-BEU) 5) E-508AB :ID1000 x T-T5470 Tube OD19.05x1.65x5486L (S-1316) Mat'l SS304 (H-BEM) 6) E-518 :ID485 x T-T3917 Tube OD19.05x1.65x3658L (U-134) Mat'l SS304 (H-BEU) 7) E-219 :ID400 x T-T1776 Tube OD19.05x2.11x1500L (U-66) Mat'l SA179 (H-BEU)		TPE	Thyssenkrupp					/						/	/	/	
14517	PTT LP FLASH GAS RECOVERY PROJECT	Supply Remaining Gas K.O. Drum	1	1	5590-D-001 ID2360 x T-T4650 Mat'l SA516-70		PTTGC	PTTME	/							/	/	/				
2014																						



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Project no.	Project Name	Package	Nos. Design	Qty. Fab	Period (M-M, Y)	Owner	Client	Equipment type					U or R-Stat		Project Scope						
								Skid & Piping	Pressure Vessel	Shop Tank	Column/R eactor	Heat Exchange r	Pig Launcher /Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair	Install.	
15501	PTTPE LLDPE	Supply Fabrication Tube Bundle	0	2	1) E11021 ID19.05 x 2.1t x 2800L Mat'l A789 (Duplex S31803) 29U Type H-BEU 2) E11021 ID19.05 x 2.1t x 2800L Mat'l A789 (Duplex S31803) 29U Type H-BEU	PTTCG	PTTCG					/				/	/	/			
15502	PTTEP-LKU-F Desanding Package	Supply Vessel package & Skid with	4	3	1) S-1562 ID813 x T-T 1078 Mat'l SA516-70N 2) T-1543 W1950 x H1950 x L875 Mat'l SS400 3) V-1564 ID610 x T-T1076 Mat'l SA516-70N 4) Skid 1 Set	PTTEP	SLB		/							/	/	/			
15504	HIGH TAN UPGRADING	Supply Heat Exchanger Package	7	14	1) E-1010ABC ID1210 x T-T10911 Mat'l SA516-60 Tube OD25.4x2.77x7340L (S-920) Mat'l SS316L Tubesheet OD1405 x 135t Mat'l A266-4N+WO2Layers SS316L 2) E-1015ABC ID1280 x T-T6907 Mat'l SA516-60 Tube OD25.4x2.77x7340L (S-840) Mat'l SS316L Tubesheet OD1405 x 135t Mat'l A336-F1N+WO2Layers SS316L 3) E-1017 ID835 x T-T4559 Mat'l SA516-60 Tube OD25.4x2.77x4892L (S-348) Mat'l SB622-N10276 (C276) Tubesheet OD990 x 85t Mat'l A266-2N+WO2Layers Alloy625 4) E-1019ABCD ID1065 x T-T6927 Mat'l SA516-60 Tube OD25.4x2.11x7335L (S-650) Mat'l SB622-N10276 (C276) Tubesheet OD1255 x125t Mat'l A266-2N+WO2Layers Alloy625 5) E-1022 ID875 x T-T7464 Mat'l SA516-60 Tube OD19.05x2.11x7330L (U-369) Mat'l A268-TP410	PTTGC	Technip					/					/	/	/		
15505	E1010 A/B/C/D Tube Bundle Replcement	Supply Fabrication Tube Bundle	1	4	E1010ABCD ID25.4 x 2.77t x 6096L Mat'l A179 S-561	PTTGC	PTTGC					/				/	/				
15506	BDEP FOR MRU REVAMPING FOR RUBLENGTH E	Supply CFR Filter	1	1	S-1107 Pipe 12" sch.xs x 804L Mat'l SA106 Gr.B	PTTGC	3M						/		/	/	/				
15507	Olefins Plant	Supply Tube Bundle	2	2	1) T560A Tube OD19.05x2.11x6000L (U-360) Mat'l SA179 2) T698 ID1800 x T-T9984 Tube OD19.0x2.1x10000L (S-2705) Mat'l SA179M	PTTGC	PTTGC					/				/	/				
15508	Tube Bundle Of Heat Exchanger E-2404	Supply Tube Bundle	1	1	E-2404 Tube OD19.05x2.11x6877-5057L (U-1732) Mat'l A192	PTTGC	PTTGC					/				/	/				
15509	STYROLUTION-MPPU	Supply Vessel Package with Jacket	7	10	1) 05-106 ID2710 x T-T 1248 Mat'l SS304 with Jacket ID2886 Mat'l SS304 2) 05-120.7 ID900 x T-T 1800 Mat'l SA516-70 3) 05-121 ID920 x T-T 1830 Mat'l SA516-70 4) 05-211 ID2000 x T-T 3144 Mat'l SS304 with Jacket ID2170 Mat'l SS304 5) 05-215 ID900 x T-T 2000 Mat'l SA516-70 with Jacket ID980 Mat'l SA516-70 6) 05-271 ID500 x T-T 1500 Mat'l SA516-70 7) 05-272 ID400 x T-T 1000 Mat'l SA516-70 8) 25-106 ID2710 x T-T 1248 Mat'l SS304 with Jacket ID2886 Mat'l SS304 9) 25-215 ID900 x T-T 2000 Mat'l SA516-70 with Jacket ID980 Mat'l SA516-70 10) 25-221ID2000 x T-T 3144 Mat'l SS304 with Jacket ID2170 Mat'l SS304	THYSSENKRUPP	STYROLUTION		/								/	/	/		
15510	Scrapper Trap Pig Launcher and Receiver	Supply Pig Launcher & Receiver	2	2	1) 6"x8" Pig L/R Mat'l SA106 Gr.B 2) 6"x8" Pig L/R Mat'l SA106 Gr.B	PTTEP	TDW						/		/	/	/				
15511	MRU Coalescer	Supply LN+LPG MRU Coalescer	1	1	03D012B ID691 x T-T3174 Mat'l SA516-70	IRPC	Pall		/						/	/	/				
15512	Arthit Field Development Project	Instrument Gas Filter/ Coalescer	1	4	YVXX33 Pipe 14" sch.xs x T-T 3467 Material SA106 Gr.B	PTTEP	Peeless/TNS						/		/	/	/				
15513	BST-NBL	Supply Heat Exchanger 9 units /Ve	13	20	1) C10501 ID400 x 18058L Ma'l SA516-70 2) E10501 ID400 x T-T3642 Mat'l SA516-70 Tube OD19.05x2.11x3658L (S-112) Mat'l SA179 3) E10503 Pipe10"sch40 x 3487L Mat'l SA106 Gr.B Tube OD25.4x2.77x3500L (S-42) Mat'l SA179 4) E10510 ID500 x T-T5484L Mat'l SA516-70 Tube OD25.4x2.77x5500L (S-130) Mat'l SA179 5) E10558AR ID450 x T-T2970L Mat'l SA516-70 Tube OD31.75x2.77x3180L (S-48) Mat'l SA179 6) E10650AR ID750 x T-T4987L Mat'l SA516-70 Tube OD25.4x2.77x5000L (S-285) Mat'l SA179 7) E10561 Pipe12"sch40 x 3000L Mat'l SA106 Gr.B Tube OD19.05x2.11x3220L (S-60) Mat'l SA179 8) E10562 ID700 x T-T4000L Mat'l SA516-70 Tube OD25.4x2.77x4230L (S-215) Mat'l SA179 9) E10309ABC ID700 x T-T1010L Mat'l SS304L 10) E10407ABC ID1940 x T-T3382L Mat'l SS304L 11) E10507 ID1200 x T-T1470L Mat'l SA516-70 12) E10650AR ID2000 x T-T3450L Mat'l SA516-70 13) E10561 ID1900 x T-T2850L Mat'l SA516-70	BST	ThyssenKrupp		/			/					/	/	/		
15514	GC6 MOD WORK FOR EXPORT PRODUCT AT JET	Supply Pig Launcher & Receiver	2	2	1) X-6751 Pipe 10"x12" Mat'l SA106 Gr.B 2) X-6851 Pipe 10"x12" Mat'l SA106 Gr.B	PTTGC	TDW						/		/	/	/				
15515	EPCM Service For Refinery Improvement	Supply Packinox Feed Filter	1	2	S-1520A/B ID437 x T-T1028 Mat'l SS316L	PTTGC	3M						/		/	/	/				
15517	Re-Tube Bundle	Supply Tube Bundle	1	1	100-E16A/B Tube OD19.05x2.11x5600L Mat'l SA179 (S-1097)	PTTGC	PTTGC					/			/	/					
2015																					
16501	63222 HIGH TAN MATERIAL UPGRADING PROJEC	Tube bundle E1011A	1	1	E1011A ID933 x T-T6654L Mat'l SA516-60 Tube OD19.05x2.11x6111L (U-424) Mat'l SS316L	PTTGC	PTTGC					/			/	/	/				



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			Design	Fab					Skid & Piping	Pressure Vessel	Shop Tank	Column/Reactor	Heat Exchanger	Pig Launcher/Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair	Install.
16502	Turnaround 2016	4 Package for Turn around	7	7	7		IRPC	IRPC					/			/	/	/			
16503	TPC_VCM1 ENERGY SAVING, RELIABILITY IMPRO	2 Heat Exchanger	2	2	2		TPC	SCG					/			/	/	/			
16504	Fabrication Shell & Tube Heat Exchanger	1 Heat Exchanger	1	1	1		BCP	BCP					/			/	/	/			
16505	Methanal Evaporator	1 New tube bundle and 1 Modify T	1	2	2		PTT Tank	PTT Tank					/			/	/	/			/
16506	LLDPE EXPANSION AND HEXENE-1 PROJECT	54 Unit Pressure vessel	54	54	54		PTTGC	TTCL					/					/			
16507	Olefins Plant Project	1 Unit Tube bundle	1	1	1		PTTGC	PTTGC					/			/	/	/			
16508	NBL Improvement Pilot Plant Project	Stripper Column with Skid	1	1	1		BST	BST				/				/	/	/			
16509	MCS Compressor Seal gas Heater	3 Heater included Piping and Skid	1	3	3			Jord	/			/			/	/	/				
16510	Rojana Power SPP3	2 Unit Pig R/L	2	2	2		PTT	TDW					/			/	/	/			
16511	Fabrication Tank for G-1122-Q-1 Sulfuric Acid	1 Tank for Acid	1	1	1		PTTGC	PTTGC				/				/	/	/			
16512	PTTGC WWTP	2 Pressure vessel	1	2	2	June - Aug 2016	PTTGC	Veolia		/						/	/	/			
16513	PTTGC WWTP	8 ATM Tank	1	1	1	June - Aug 2016	PTTGC	Veolia		/								/			
16514	EPC of Trucking Facility for SLNG Terminal	1 Pot Drain	1	1	1			REL					/			/	/	/			



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								Skid & Piping	Pressure Vessel	Shop Tank	Column/Reactor	Heat Exchanger	Pig Launcher/Receiver	Filter housing	Required	Design	Drawing	Fab.	Repair
16515	High Performance of Mercury Removal from Condens	4 Vessel	2	4		PTTGC	PTTME	/						/	/	/	/		
P11P2727	PTTGC WWTP	11 Skid with Piping	1	11		PTTGC	Veolia	/							/	/	/		
P11P2711	Product Quality Improvement Project	Tube Bundle 1 unit	-	1		BCP	BCP				/					/	/		
P11P2738	LLDPE EXPANSION AND HEXENE-1 PROJECT	5 Unit Hopper/Filter	5	5		PTTGC	TTCL	/									/		
P11P2757	Modify bottom Channel Head Nozzle A & E1	Modify	1	1		DOW	DOW	/						/				/	
P11P2758	EO / EG	Column	3	3		TOCGC	PTTGC		/					/	/	/	/		
P11P2759	EO / EG	Heat Exchanger	5	6		TOCGC	PTTGC				/			/	/	/	/		
P11P2768	New Fabrication Bundle Fin Fan	Fin Fan 2 Unit	1	2		PTTGC	PTTGC				/					/	/		
P11P2778	Fabrication tube Bundle	Tube Bundle 2 Unit	2	2		PTTGSP	PTTGSP				/				/	/	/		
P11P2797	GCN	Pig R/L	2	2		PTT	TDW					/			/	/	/		
Total																			

Remark
 Project no. 16xxx = Project in year 2016
 Project no. 15xxx = Project in year 2015
 Project no. 14xxx = Project in year 2014
 Project no. 13xxx = Project in year 2013
 Project no. 12xxx = Project in year 2012
 Project no. 11xxx = Project in year 2011
 Project no. 10xxx = Project in year 2010
 Project no. A9xxx = Project in year 2009
 Project no. A8xxx = Project in year 2008
 Project no. 7xxx = Project in year 2007
 Project no. 6xxx = Project in year 2006
 Project no. 5xxx = Project in year 2005
 Project no. 4xxx = Project in year 2004
 Project no. 3xxx = Project in year 2003