



Company Document Identification

Contractor Document Identification

Rev. Index

Validity Status

Rev. No.

00081960FVEA32216

CS-FS

01

ITEM	INSTALLED ON	NR	DESCRIPTION	DIMENSIONS (mm)			MATERIAL	WEIGHT (t)		CAPACITY	TEMPERATURE (°C)		PRESSURE (bar g)		POWER (kW)	PED			NOTES	LOC	
				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP	CATEGORY (to be confirmed by vendor)			
UNIT 150 - FISCAL METERING																					
6015000Y001		1	Fiscal Meter	20000	3000		MANUFACTURER STANDARD	18,00	18,00								TG	1			
6015000J001		1	Fiscal Metering Cabinet	800	800	2100		0,50	0,50											Installed in instrument/telecomm room	
UNIT 190 - LAUNCHING/RECEIVING TRAPS																					
601901VL001		1	Receiving Trap (32" spur line - temporary)	12500	32" x 36"	-	CS	10,00	10,00	-	-5 / 65	11/14	49,0	HP: 44MP: 19 LP: 9	-	RG	1	IV		Corrosion allowance to be defined in a later stage	
601900LX001		1	Barred Tee		32" x 14"		CS	-	-	-	-5 / 65	11/14	49,0	HP: 44MP: 19 LP: 9	-	TG	1				
601901LJ001		1	Insulating Joint	12000	32"	-	CS	7,00	7,00	-	-5 / 65	11/14	49,0	LP: 9MP: 19 HP: 44	-	RG	1	N/A			
UNIT 230 - FLARE AND BLOWDOWN																					
602300VN001		1	High Pressure Flare K.O. Drum	8000	2000	-	SS316L	8,00	18,00	27 m3	-35 / 65 (°)	AMB	10	3,0	-	BD	1	IV		(*) Preliminary size based on blocked outlet scenario	
602300VN002		1	Low Pressure Flare K.O. Drum		1200	2200	LTC3+3mmCA	2,20	2,70	2,9 m3	-10 / 65	AMB	F.V. / 5,0	1,0	-	BD	1	IV			
602300FK001		1	High Pressure Flare		Stack: 14", Tip: 14" (°)	56500	MANUFACTURER STANDARD	20,00	20,00	123300 kg/h (°)	65	AMB	10	ATM	-	BD	1	by vendor		(*) Preliminary size based on blocked outlet scenario Flare vent will be installed in vertical position	
602300FK002		1	Low Pressure Flare		6"	56500	MANUFACTURER STANDARD	(°)	(°)	6600 kg/h (°)	65	AMB	5	ATM	-	BD	1	by vendor		(*) Included in High pressure vent weight (°) Max Gas Flowrate	
602300XY001		1	Flare Ignition System	2000	1000	2000	MANUFACTURER STANDARD	0,80	0,80	-	-	-	-	-	-	-	-	-		Common for both Vent Systems Located in Field	
UNIT 300 - GAS SEPARATION																					
603000VS001		1	Production Gas Separator Double Barrel (upper barrel)	6300	2100	-	CS+3mmCA Internals: SS316L	22,00	23,00		HOLD / 65	11/14	49,0	HP: 44 MP: 19 LP: 9	-	RG	1	IV		Gas Separator Double Barrel preliminary overall dimensions: L: 9600 - W: 2400 - H: 6000	
603000VS002		1	Production Gas Separator Double Barrel (lower barrel)	9600	2400	-	CS+3mmCA Internals: SS316L	43,00	70,00		HOLD / 65	11/14	49	HP: 44 MP: 19 LP: 9	-	RG	1	IV		Gas Separator Double Barrel preliminary overall dimensions: L: 9600 - W: 2400 - H: 6000	
UNIT 310 - GAS DEHYDRATION																					
603100VJ001		1	Dehydration Column	-	1650	10000	Top (above chimney tray): CS+3mmCA Bottom (below chimney tray): CS+6mmCA	44,00	55,00	4,3 Sm3/d	HOLD / 70	39/43	82,0	73,5	-	RG / LY / TG	1	IV		Minimum Design Temperature for blowdown conditions HOLD.	
603100HA001		1	Raw Gas Cooler	3200	400	-	Shell: CS+3mmCA Channel: CS+3mmCA Tubes: SS316L Tubesheet: SS316L	1,00	1,50	150 kW (LP phase)	70 Shell / 70 Tube	MP ph: IN 43 tube - 12 shell OUT: 41 tube - 38 shell LP ph: IN 43 tube / 14 shell OUT 39 tube - 38 shell	82 tube / 9 shell	74 tube / 2 shell	-	RG					
UNIT 360 - GAS COMPRESSION																					
603601VN001		1	Suction K.O. Drum - TRAIN 1	-	1900	4200	Shell: CS+3mmCA Internals: SS316L	10,00	16,00	13,3 m3	-5 / 147	HP-44 MP-19 LP-14	33,0	HP-44 MP-19 LP-9	-	RG	1	IV		Minimum Design Temperature for blowdown conditions HOLD. Anticooler residual duty for fan failure not considered Suction KO drum used only during MP and LP phase	
603601XY001		1	Compressor Skid TRAIN 1-1st stage	5000	3000	2500	MANUFACTURER STANDARD													Dimensions, weight, power to be confirmed by vendor Skid includes Seal Panel, Seal gas booster compressor and GearBox if necessary.	
603601KA001	603601XY001	1	1st Stage Gas Compressor - TRAIN 1	1600	1700	1200	MANUFACTURER STANDARD			LP 1,35 MP 1,28 HP-2-23 (MSm3/d)	150 (TBC)	14/134 LP 12/89 MP 14/60 (in/out)	50,0	44/74/44P- 19/44 MP 9/33 LP (in/out)	-	RG	1			During HP phase 1st stage is not working	
603601EM001		1	MOTOR CONTROL CENTER (MCC) - TRAIN 1	1600	800	2300	MANUFACTURER STANDARD	1,00	1,00						30,00						
603601EK001	603601XY001	1	Electrical Motor - TRAIN 1 1st stage	2800	2500	2300	MANUFACTURER STANDARD			Rating: 4 MW					(°)					(°) Estimated mechanical power required by compressor is: HP (1 train running) 3255 kW / MP (2 trains running) 1450 kW / LP (2 trains running) 1773 kW Max required power for motor sizing is 2970 kW @LP 75%	



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
603601HC003		1	Lube Oil Compressor Air Cooler - TRAIN 1 (*)	3000	1800	4500	MANUFACTURER STANDARD	4,00	4,50	By Vendor	By Vendor	By Vendor	By Vendor	11 kW (*)	Lube Oil			(*) Estimated power to be confirmed by Compressor Vendor (2+1 fans with a 5,5 kW driver each) (**) Lube Oil / Air cooler to be designed for the full compressor train (auxiliary for both compressors stages), in HP phase it will serve the single running stage.		
603601XY003		1	Compressor - Lube Oil Console - TRAIN 1 (***)	3500	2000	5000	MANUFACTURER STANDARD	5,00	8,00	By Vendor	By Vendor	By Vendor	By Vendor	5 kW (*) 8 kW (**)	Lube Oil			(*) Lube Oil Pump estimated consumption (**) Lube Oil Tank electrical heater only for cold start-up (***) Lube Oil console to be installed close to the relevant compressor skids and in a lower position (around 1,5 m below). Lube Oil Console to be designed for the full compressor train (auxiliary for both compressors stages), in HP phase it will serve the single running stage.		
603601VA001		1	Lube Oil Run-down Tank - TRAIN 1	-	1000	1300	MANUFACTURER STANDARD	1,00	1,80	By Vendor	By Vendor	By Vendor	Air	By Vendor	-	Lube Oil		Run-down tank to be installed around 6 m above the Gas Compressor centrifuge. Run-down tank dimensions and elevation to be defined by Compressor Vendor.		
6036001EK001		1	Electrical Motor Starting VSD - TRAIN 1 1st stage	1600	800	2300	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Located in Electrical Normal Room	ROOM	
603601ED001		1	Electrical Motor DC Panel - TRAIN 1 1st stage	800	800	2300	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Located in Electrical Emergency Room	ROOM	
603601JK001		1	Gas Compressor UCP - TRAIN 1	1600	800	2300	MANUFACTURER STANDARD	1,00	1,00	-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room	ROOM	
603601HC001		1	1st Stage Stage Gas Cooler - TRAIN 1	20000	6000	5200	Header: SS316L Tubes: SS316L	18,0	19,0	2,55 MP 2,55 LP (MW)	150 (TBC)	MP: Tin/Tout: 134/43 LP: Tin/Tout: 90/43	50,0	74+HP / 44 MP / 33 LP	30,00	RG	1 / 2	by vendor	Dimension TBC (max wide 6m in order to place the cooler on pipework, length to be considered as sum of 2 bundles). Power consumption is 4 fan x 7,5 kW each. 10% overdesign for thermal duty has been considered.	
603601VN002		1	Interstage K.O. Drum - TRAIN 1	-	2100	4200	Shell: CS-3mmCA Internals: SS316L	17,00	25,00	17 m ³	-5 / 167 (TBC)	43	62	44 HP / 44 MP / 33 LP	-	RG	1	IV	Minimum Design Temperature for blowdown conditions HOLD. Aircooler residual duty for fan failure not considered.	
603601XY002		1	Compressor Skid TRAIN 1-2nd stage	5000	3000	2500	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Dimensions, weight, power to be confirmed by vendor Skid includes Seal Panel, Seal gas booster compressor and GearBox if necessary.		
603601KA002	603601XY002	1	2nd Stage Gas Compressor - TRAIN 1	1700	1700	1200	MANUFACTURER STANDARD	-	-	LP 1,35 / MP 1,88 / HP 3,23 (MSm ³ /d)	170 (TBC)	Tin/Tout: 43/139	82,0	43,5/74 HP and MP 33,5/74 LP (in/out)	-	RG	1	2nd stage operating only during L7NMP phases and can be installed after HP phase		
603601EK002	603601XY002	1	Electrical Motor - TRAIN 1 2nd stage	2800	2500	2300	MANUFACTURER STANDARD	-	-	Rating: 3 MW	-	-	-	-	(*)	-	-	2nd stage operating only during L7NMP phases and can be installed after HP phase (*) Estimated mechanical power required by compressor is: MP (2 trains running) 1484 kW / LP (2 trains running) 1584 kW Max required power for motor using is 2950 kW, 81,1 P 75%.		
6036001EK002		1	Electrical Motor Starting VSD - TRAIN 1 2nd stage	1600	800	2300	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Located in Electrical Normal Room	ROOM	
603601ED002		1	Electrical Motor DC Panel - TRAIN 1 2nd stage	800	800	2300	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Located in Electrical Emergency Room	ROOM	
603601HC002		1	2nd Stage Gas Cooler - TRAIN 1	20000	6000	5200	Header: SS316L Tubes: SS316L	21,0	22,0	1,3 HP 2,2 MP 2,4 LP (MW)	170 (TBC)	HP: Tin/Tout: 59/43 MP: Tin/Tout: 96/43 LP: Tin/Tout: 125/43	82,0	74,0	30,00	RG	1 / 2	by vendor	Dimension TBC (max wide 6m in order to place the cooler on pipework, length to be considered as sum of 2 bundles). Power consumption is 4 fan x 7,5 kW each. 10% overdesign for thermal duty has been considered.	
603601VN003		1	Final K.O. Drum - TRAIN 1	-	1800	3600	Shell: CS-4mmCA Internals: SS316L	15,00	20,00	10,7 m ³	-5 / 170 (TBC)	43	82,0	74,0	-	RG	1	IV	Minimum Design Temperature for blowdown conditions HOLD.	
603602VN001		1	Suction K.O. Drum - TRAIN 2	-	1900	4200	Shell: CS-3mmCA Internals: SS316L	10,00	16,00	13,3 m ³	-5 / 147	HP: 11 MP: 12 LP: 14	33,0	HP: 44 MP: 19 LP: 9	-	RG	1	IV	Minimum Design Temperature for blowdown conditions HOLD. Aircooler residual duty for fan failure not considered Suction K.O. drum used only during MP and LP phase	
603602XY001		1	Compressor Skid TRAIN 2-1st stage	5000	3000	2500	MANUFACTURER STANDARD	-	-	-	-	-	-	-	-	-	-	Dimensions, weight, power to be confirmed by vendor Skid includes Seal Panel, Seal gas booster compressor and GearBox if necessary.		
603602XA001	603602XY001	1	1st Stage Gas Compressor - TRAIN 2	1600	1700	1200	MANUFACTURER STANDARD	-	-	LP 1,35 MP 1,88 HP 3,23 (MSm ³ /d)	150 (TBC)	14/134 LP 12/89 MP 44/60 HP (in/out)	50,0	44/74 HP 19/44 MP 9/33 LP (in/out)	-	RG	1	During HP phase 1st stage is not working		



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
603602EM001		1	MOTOR CONTROL CENTER (MCC) - TRAIN 2	1600	800	2300	MANUFACTURER STANDARD	1,00	1,00						30,00					ROOM
603602EK001	603601XY001	1	Electrical Motor - TRAIN 2 1st stage	2800	2500	2300	MANUFACTURER STANDARD			Rating: 4 MW	-	-	-	-	(*)	-	-		(*) Estimated mechanical power required by compressor is: HP (1 train running) 3255 kW / MP (2 trains running) 1450 kW / LP (2 trains running) 1773 kW Max required power for motor sizing is 2970 kW @LP 75%	
603602HC003		1	Lube Oil Compressor Air Cooler - TRAIN 2 (**)	3000	1800	4500	MANUFACTURER STANDARD	4,00	4,50	By Vendor	By Vendor	By Vendor	By Vendor	By Vendor	11 kW (*)	Lube Oil			(*) Estimated power to be confirmed by Compressor Vendor (2=1 fans with a 5.5 kW driver each) (**) Lube Oil / Air cooler to be designed for the full compressor train (auxiliary for both compressors stages), in HP phase it will serve the single running stage.	
603602XY003		1	Stage Compressor - Lube Oil Console - TRAIN 2 (**)	3500	2000	5000	MANUFACTURER STANDARD	5,00	8,00	By Vendor	By Vendor	By Vendor	By Vendor	By Vendor	5 kW (*) 8 kW (**)	Lube Oil		(*) Lube Oil Pump estimated consumption (**) Lube Oil Tank electrical heater only for cold start-up (**) Lube Oil console to be installed close to the relevant compressor skids and in a lower position (around 1.5 m below). (**) Lube Oil Console to be designed for the full compressor train (auxiliary for both compressors stages), in HP phase it will serve the single running stage.		
603602VA001		1	Lube Oil Rndown Tank - TRAIN 2	-	1000	1300	MANUFACTURER STANDARD	1,00	1,80	By Vendor	By Vendor	By Vendor	Atm	By Vendor	-	Lube Oil		Rndown tank to be installed around 6 m above the Gas Compressor centrifugal. Rndown tank dimensions and elevation to be defined by Compressor Vendor.		
603602EK001		1	Electrical Motor Starting VSD - TRAIN 2 1st stage	1600	800	2300	MANUFACTURER STANDARD												Located in Electrical Normal Room	ROOM
603602ED001		1	Electrical Motor DC Panel - TRAIN 2 1st stage	800	800	2300	MANUFACTURER STANDARD												Located in Electrical Emergency Room	ROOM
603602JK001		1	Gas Compressor UCP - TRAIN 2	1600	800	2300	MANUFACTURER STANDARD	1,00	1,00										Located in Instrument/Telecom Room	ROOM
603602HC001		1	1st Stage Stage Gas Cooler - TRAIN 2	20000	6000	5200	Header: SS316L Tubes: SS316L	18,0	19,0	2,95 MP 2,55 LP (MW)	150 (TBC)	MP: Tin/Tout: 134/43 LP: Tin/Tout: 90/43	50,0	2444R / 44 MP / 33 LP	30,00	RG	1 / 2	by vendor	Dimension TBC (max wide 6m in order to place the cooler on piperack, length to be considered as sum of 2 bundles). Power consumption is 4 fan x 7.5 kW each. 10% overdesign for thermal duty has been considered.	
603602VN002		1	Intersage K.O. Drum - TRAIN 2	-	2100	4200	Shell: CS+3mmCA Internals: SS316L	17,00	25,00	17 m ³	-5 / 167 (TBC)	43	62	44 HP / 44 MP / 33 LP	-	RG	1	IV	Minimum Design Temperature for blowdown conditions HOLD. Aircooler residual duty for fan failure not considered.	
603602XY002		1	Compressor Skid TRAIN 2-2nd stage	5000	3000	2500	MANUFACTURER STANDARD												Dimensions, weight, power to be confirmed by vendor Skid includes Seal Panel, Seal gas booster compressor and GearBox if necessary.	
603602KA002	603601XY002	1	2nd Stage Gas Compressor - TRAIN 2	1700	1700	1200	MANUFACTURER STANDARD			LP 1.35 / MP 1.88 / HP 3.23 (M5m3/g)	170 (TBC)	Tin/Tout: 43/139	82,0	43,5/74 HP and MP 33,5/74 LP (Inlet)	-	RG	1		2nd stage operating only during LP/MP phases and can be installed after HP phase	
603601EK0002	603601XY002	1	Electrical Motor - TRAIN 2 2nd stage	2800	2500	2300	MANUFACTURER STANDARD			Rating: 3 MW	-	-	-	-	(*)	-	-		2nd stage operating only during LP/MP phases and can be installed after HP phase (*) Estimated mechanical power required by compressor is: MP (2 trains running) 1464 kW / LP (2 trains running) 1584 kW Max required power for motor sizing is 2950 kW @LP 75%	
6036002EK002		1	Electrical Motor Starting VSD - TRAIN 2 2nd stage	1600	800	2300	MANUFACTURER STANDARD												Located in Electrical Normal Room	ROOM
603602ED002		1	Electrical Motor DC Panel - TRAIN 2 2nd stage	800	800	2300	MANUFACTURER STANDARD												Located in Electrical Emergency Room	ROOM
603602HC002		1	2nd Stage Gas Cooler - TRAIN 2	20000	6000	5200	Header: SS316L Tubes: SS316L	21,0	22,0	1,3 HP 2,2 MP 2,4 LP (MW)	170 (TBC)	HP: Tin/Tout: 59/43 MP: Tin/Tout: 96/43 LP: Tin/Tout: 125/43	82,0	74,0	30,00	RG	1 / 2	by vendor	Dimension TBC (max wide 6m in order to place the cooler on piperack, length to be considered as sum of 2 bundles). Power consumption is 4 fan x 7.5 kW each. 10% overdesign for thermal duty has been considered.	
603602VN003		1	Final K.O. Drum - TRAIN 2	-	1800	3600	Shell: CS+6mmCA Internals: SS316L	15,00	20,00	10,7 m ³	-5 / 170 (TBC)	43	82,0	74,0	-	RG	1	IV	Minimum Design Temperature for blowdown conditions HOLD.	
UNIT 380 - GLYCOL REGENERATION SKID																				
603800XX001		1	TEG Regeneration Package	16000	5000	9000	MANUFACTURER STANDARD	72,00	110,00	4,5 m ³ /h									Dimensions and weight to be confirmed by Vendor For package material selection please refer to Ref. Table 3.11 Company STD 20603.MAT.CO2.PRG	
603800FF001		1	TEG Drain Tank	2400	1400	-	MANUFACTURER STANDARD	4,90	2,60	0,6 m ³	234	AMB	F.V. 10,5	6,0						
UNIT 405 - LP. GAS RECOVERY (configuration of unit 405 shall be confirmed)																				
604050XX001		1	Gas Effluent Treatment System Package				MANUFACTURER STANDARD			121 Sm ³ /h (*)									(*) Capacity to be verified in next engineering phase and after definition of fuel gas requirement by TEG Regeneration System	
604050XY001	604050XX001	1	Gas Effluent Treatment System Skid	3000	2000	2000	MANUFACTURER STANDARD	5,00											Dimensions, weight, power to be verified in next engineering phase	
604050VN001	604050XY001	1	Gas Effluent Suction KO Drum	-	250	1000	CS+3mmCA	0,26	0,30		65	33	5,0	1,3		LG	1	II	Dimensions, weight, power to be verified in next engineering phase	



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
604050KP001	604050XY001	1	Gas Effluent Recycle Gas Compressor				MANUFACTURER STANDARD	-	-	45/121 Stdm3/h (*)	TBD by Vendor	TBD by Vendor	6.0	4.5	16 (**)	LG	1		(*)Capacity to be verify in next engineering phase (**) operating shall power, motor power 12 kW; Dimensions, weight, power to be confirmed by vendor	
604050JK001		1	Compressor UCP	1600	800	2300	MANUFACTURER STANDARD	1.00												
604050VC001		1	Gas Effluent Scrubber		600	2100	CS+3mmCA	0,60	1,00	0,7 m3	-5 / 185	43	6,0	4,0	-	RG/TG	1	IV		
604050HC001	604050XY001	1	Gas Effluent Gas Cooler				CS+3mmCA	-	-	20 kW(*)	185	153	6,0	4,5		LG/SW	1 / 2	by vendor	(*) Thermal Power Dimensions, weight, power to be verify in next engineering phase	
UNIT 420 - FUEL GAS																				
604200HN001		1	Electric Fuel Gas Heater	-	1000	3500	Shell: CS+3mmCA Heating Element: Stainless Steel (**)	6,00	6,00	15 kW	80 (**)	50 (*)	49,0	3,5	15,00	RG/TG	1	IV	Typical Dimensions (TBC) (*) Operating Temperature of Inlet Fuel Gas (**) To be confirmed by Vendor	
604200JM002		1	Gas Metering Skid LP	7000	1500		MANUFACTURER STANDARD	1,00	1,00	500 kg/h	80	43	5,0	2,5	-	RG/TG	1			
604200CL001A/B		2	Fuel Gas Filters	-	750	2500	CS+3mmCA	1,50	-	500 kg/h	80	43	5,0	3,0		RG/TG	1	by vendor	Typical Dimensions (TBC)	
604200JM004		1	Flow Computer LP Panel	800	800	2100	CS+3mmCA	0,50								RG/TG	1		Dimensions to be confirmed by Company	
604200VC001		1	Fuel Gas Scrubber	600	600	2100	CS+3mmCA	1,20	1,60	0,7 m3	-5 / 65	11/14	82	74,0	-	RG/TG	1	IV		
604200VN001		1	L.P. Fuel Gas K.O. Drum	1700	3400		CS+3mmCA	3,00	8,00	9 m3	-5 / 65	43 (*)	5,0	3,5	-	RG/TG	1	IV	(*) 50°C during start up	
UNIT 460 - COMPRESSED AIR																				
604600XY001A		1	Air Compressor Skid	2500	1500	2200	MANUFACTURER STANDARD	2,00	2,50	300 Nm3/h	85	55	10,0	8,5 (*)	58,00	CA	2		(*) Max discharge pressure: Dimensions, weight, power to be confirmed by vendor	
604600EM001	604600XY001A	1	Air Compressor Skid Auxiliary				MANUFACTURER STANDARD							7,00	CA	2				
604600KC001A	604600XY001A	1	Air Compressor				MANUFACTURER STANDARD								CA	2				
604600HC001A	604600XY001A	1	Air Compressor Aftercooler				MANUFACTURER STANDARD								CA	2				
604600VN001A	604600XY001A	1	Compressed Air Buffer Vessel				MANUFACTURER STANDARD								CA	2				
604600KC002A	604600XY001A	1	Air Compressor				MANUFACTURER STANDARD								CA	2				
604600HC002A	604600XY001A	1	Air Compressor Aftercooler				MANUFACTURER STANDARD								CA	2				
604600VN002A	604600XY001A	1	Compressed Air Buffer Vessel				MANUFACTURER STANDARD								CA	2				
604600JK001A		1	Compressed Air Package UCP	1600	800	2300	MANUFACTURER STANDARD	1,00												
604600XY001B		1	Air Compressor Skid	2500	1500	2200	MANUFACTURER STANDARD	2,00	2,50	300 Nm3/h	85	55	10,0	8,5 (*)	58,00	CA	2		(*) Max discharge pressure: Dimensions, weight, power to be confirmed by vendor	
604600EM002	604600XY001B	1	Air Compressor Skid Auxiliary				MANUFACTURER STANDARD							7,00	CA	2				
604600KC001B	604600XY001B	1	Air Compressor				MANUFACTURER STANDARD								CA	2				
604600HA001B	604600XY001B	1	Air Compressor Aftercooler				MANUFACTURER STANDARD								CA	2				
604600VN001B	604600XY001B	1	Compressed Air Buffer Vessel				MANUFACTURER STANDARD								CA	2				
604600KC002B	604600XY001B	1	Air Compressor				MANUFACTURER STANDARD								CA	2				
604600HC002B	604600XY001B	1	Air Compressor Aftercooler				MANUFACTURER STANDARD								CA	2				
604600VN002B	604600XY001B	1	Compressed Air Buffer Vessel				CS+3mmCA+Internal Lining								CA	2				
604600VA001		1	Wet Compressed Air Buffer Vessel	3800	1900	-	CS+3mmCA+Internal Lining	4,50	4,60	12,5 m3	-5 / 85	55	10,0	7,2/8,5	-	UA	2	IV		
604600VA002		1	Dry Compressed Air Buffer Vessel	5700	2200	-	CS+3mmCA	7,00	7,10	24,5 m3	-5 / 85	55	10,0	4,2/7,2	-	IA	2	IV		
604600JK001B		1	Compressed Air Package UCP	1600	800	2300	MANUFACTURER STANDARD	1,00												
604600XY002A		1	Air Dryer Package	3000	2500	2000	MANUFACTURER STANDARD	2,00	2,50	300 Nm3/h	85	55	10,0	8,5	-	-	-		Power included in air Compressor skid Consumption	
604600CL001A	604600XY002A	1	Air Dryer Prefilter (Cartridge)												-	UA	2	by vendor		
604600VK001A/002A	604600XY002A	2	Air Dryers				MANUFACTURER STANDARD								-	UA	2	by vendor		
604600CL002A	604600XY002A	1	Air Dryer Afterfilter (Cartridge)				MANUFACTURER STANDARD								-	UA	2	by vendor		
604600JC001A	604600XY002A	1	Compressed Air Dryer Local Control Panel				MANUFACTURER STANDARD								-	-	-		Located in Field	



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
604600XY002B		1	Air Dryer Package	3000	2500	2000	MANUFACTURER STANDARD	2,00	2,50	300 Nm3h	85	55	10,0	8,5	-	-	-	-	Power included in air Compressor skid Consumption	
604600CL001B	604600XY002B	1	Air Dryer Prefilter (Cartridge)				MANUFACTURER STANDARD								-	UA	2	by vendor		
604600K001B/002B	604600XY002B	2	Air Dryers				MANUFACTURER STANDARD								-	UA	2	by vendor		
604600CL002B	604600XY002B	1	Air Dryer Afterfilter (Cartridge)				MANUFACTURER STANDARD								-	UA	2	by vendor		
604600JC001B	604600XY002B	1	Compressed Air Dryer Local Control Panel				MANUFACTURER STANDARD								-	-	-	-	Located in Field	

UNIT 480 - EMERGENCY POWER GENERATION

604800X001		1	Emergency Diesel Generator Package	8000	3500	3500	MANUFACTURER STANDARD	25,00	29,00	-	-	-	-	-	-	-	-	-	Size to be confirmed in the next project phase. Package provided with cabin and dedicated external Total Saturation Extinguishing System Skid (cylinders rack for clean gas agent IG541 with top/pinre preliminary dimensions of 700 mm x 1000 mm) Dimensions and weight TBC by Vendor	
604300TA001		1	Diesel Storage Tank	5400	1700	-	CS+3mmCA	5,00	12,00	12 m3	-5 / 65	AMB	FOW	ATM	-	GO	1	N/A		
604800XY001	304800X001		Emergency Diesel Skid				MANUFACTURER STANDARD													
604800EG001	304800X001	1	Emergency Diesel Generator				MANUFACTURER STANDARD			1600 kVA	-	-	-	-	-	-	-	-		
604800LT001	304800X001	1	Flame Arrestor				MANUFACTURER STANDARD													
604800LN001	304800X001	1	Exhaust Silencer				MANUFACTURER STANDARD													
604800EJ001	304800X001	1	Extinguishing System EDG Control Panel	1000	800	1000	MANUFACTURER STANDARD												Located on skid	
604800EC001	304800X001	1	Emergency Diesel Generator Control Panel	1000	600	2300	MANUFACTURER STANDARD								20,00	-	-	-	Located on skid	

UNIT 540 - OPEN DRAIN

605400TA001			Skimmer Separator	20000	5000	1500	Concrete			150 m3		amb		atm					Size estimation based on preliminary paved areas. Oily water sent to existing storage tanks S-959 and S-961	
605400PS001 A/B		2	Submersible pumps	-	250	2000 (*)	ISO 13709:2009 class S3, S6 or C6	0,50		50 m3h	65	amb	6,0	5 (TBC)	12 kw (*) (TBC)				(*) Mechanical power, pump efficiency estimation of 70% TBC	

UNIT 550 - CLOSED DRAIN

605500PH001 A/B		2	Close Drain Pumps	-	300	2800 (*)	ISO 13709:2009 class S3, S6 or C6	0,70		20 m3h	65	AMB	9,0	5 (TBC)	7 kw (*) (TBC)	DC/DH			Dimensions, weight, power to be confirmed by vendor (*) Mechanical power, pump efficiency estimation of 40% TBC (**) Height of the pump installed outside the Close Drain Drum is estimated around 1 m (TBC)	
605500VS001		1	Close drain drum	9600	2400	-	CS + 3mmCA + Internal Lining + Cathodic Protection	14,00	54,00	40 m3	65	AMB	3,5	0,2	-	DC/DH		N/A	Drains sent to existing storage tanks S-959 and S-961	

UNITA' 560 - WATER TREATMENT

605600VA001		1	Oily Water Degasser	9600	2400		CS+3mmCA+internal lining	10,00	33,00	46 m3	65	11/14	F.V. / 3,5	0,5						
605600PA001 A/B		2	Oily Water Pumps	2000	800	700	ISO 13709:2009 class S3, S6 or C6	0,65	0,70	10 m3h	65	11/14	13,0	10 (TBC)	5 (*) (TBC)				(*) Mechanical Power, pump efficiency estimation of 70% TBC Oily water sent to existing storage tanks S-959 and S-961	
605600PA002 A/B		2	Oily Water Surge Pumps (**)	2500	1100	1100	ISO 13709:2009 class S3, S6 or C6	1,70		120 m3h	65	11/14	13,0	10 (TBC)	62 (*) (**) (TBC)				(*) Mechanical Power, pump efficiency estimation of 70% TBC (**) 2x50%, discontinuous service. Only for wells restart / production transients. Oily water sent to existing storage tanks S-959 and S-961	
605600/N001		1	OW Surge Tank boot		1000	3000	CS+3mmCA+internal lining	1,00	2,00	1 m3	65	11/14	50 mbar g	atm					To be installed close to 605600TA001.	
605600TA001-		1	Oily Water Surge Tank	42000	44000		CS+3mmCA+internal lining	65,00	446,00	4200 m3	65	44/44	50 mbar-g	atm					Possible synergy with existing plants is under evaluation	
605600PA003A/B		2	Oily Water Pumps	2000	800	700	ISO 13709:2009 class S3, S6 or C6	0,75	0,80	120 m3h (**)	65	11/14	13,0	10 (TBC)	62 (*) (TBC)				(*) Mechanical Power, pump efficiency estimation of 70% TBC (**) Flowrate will be confirmed in next project phase 2x50% of total flowrate. Discontinuous service, used only for transient conditions. Oily water sent to existing storage tanks S-959 and S-961	

UNIT 660 - HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

606600EM001		1	HVAC MCC (Electrical/control Building)	2400	800	2300	MANUFACTURER STANDARD	-	-						260,00				Data shall be verified during the next engineering phase	ROOM
606600EC001		1	HVAC Control Panel (Electrical/control Building)	1600	900	2300	MANUFACTURER STANDARD	-	-						1,00				Data shall be verified during the next engineering phase	ROOM
606600EG001A/B		2	Local Air Handling Unit (Electrical/control Building)	2650	790	1980	MANUFACTURER STANDARD	0,70	-						50,00				Data shall be verified during the next engineering phase	ROOM
606600Y001A/B		2	Roof Top (Electrical/Control Building)	10030	2250	2380	MANUFACTURER STANDARD	4,00	-						170,00				Data shall be verified during the next engineering phase	ROOM



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
606600EGF001A		1	Fan (Electrical Building)	370	90	370	MANUFACTURER STANDARD	0,01	-						0,15				Data shall be verified during the next engineering phase	ROOM
606600EGF001B		1	Fan (Electrical Building)	370	90	370	MANUFACTURER STANDARD	0,01	-						0,15				Data shall be verified during the next engineering phase	ROOM
606600EGF001C		1	Fan (Electrical Building)	370	90	370	MANUFACTURER STANDARD	0,01	-						0,15				Data shall be verified during the next engineering phase	ROOM
606600EGF001D		1	Fan (Electrical Building)	370	90	370	MANUFACTURER STANDARD	0,01	-						0,15				Data shall be verified during the next engineering phase	ROOM
606600EGA002A/B		2	Local Air Handling Unit (Electrical/Control Building)	2100	790	1980	MANUFACTURER STANDARD	0,70	-						35,00				Data shall be verified during the next engineering phase	ROOM
606600EGA004		1	Split (Gate Building)	798	295	372	MANUFACTURER STANDARD	0,02	-						3,00				Data shall be verified during the next engineering phase	ROOM

UNIT 690 - BUILDING - (da verificare, elett., strumentazione, civile, ecc...)

606900ZA001	606900ZA002	1	Instrumental Building	20000	18000	6000	MANUFACTURER STANDARD												Building to be installed on the Electrical building 606900ZA002 Possible synergy with existing plant is under evaluation	
	606900ZA001	1	Instrumental Room				MANUFACTURER STANDARD												Dimensions (20m X 12,4m) shall be verified during the next engineering phase	
	606900ZA001	1	Central Control Room				MANUFACTURER STANDARD												Dimensions (20m X 5,6m) shall be verified during the next engineering phase	
606900ZA002		1	Electrical Building	50500	23800	5000	MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase Concrete building Possible synergy with existing plant is under evaluation	
	606900ZA002	1	Battery room				MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase	
	606900ZA002	1	Switchgear Room				MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase	
	606900ZA002	1	Transformer Room				MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase	
	606900ZA002		Transformer BAY A/B				MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase	
606900ZA004		1	Gate Building	3000	3000	3000	MANUFACTURER STANDARD												Concrete building Possible synergy with existing plant is under evaluation	
	606900ZA004	1	Gate				MANUFACTURER STANDARD												Dimensions shall be verified during the next engineering phase	

UNIT 700 - FIRE AND GAS DETECTION

607000JJ001		1	F&G Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM
607000JJ002		1	F&G Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM
607000JJ003		1	F&G Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM
607000JF002		1	F&G System Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM
607000JF003		1	F&G System Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM
607000JF001		1	Fire Alarm Control Panel (FACP)	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-	-	Located in Instrument/Telecom Room.	ROOM

UNIT 710 - ESCAPE AND PERSONNEL SAFETY

607100SD001-003- HOLD			Personal Safety Equipment Box	900	450	1800	MANUFACTURER STANDARD	0,15											Quantity is HOLD	
607100SD010-12- HOLD			Breathing Apparatus and Spare Cylinder Cabinet	600	400	1000	MANUFACTURER STANDARD	0,02											7 BA sets (breathing apparatus + spare cylinder) shall be provided inside each cabinet (the operation and maintenance team is composed of 6 persons)	
607100SC001-008- HOLD			First Aid Kits	450	130	375	MANUFACTURER STANDARD	0,01											Quantity is HOLD	
607100SD060-61- HOLD			Firemen Set Box	800	400	1200	MANUFACTURER STANDARD	0,18											Quantity is HOLD	
607100SC020-022- HOLD			Stretcher	2150	650	190	MANUFACTURER STANDARD	0,02											Quantity is HOLD	



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
607100S2001-002- HOLD			Wind Sock	1200	200	-	MANUFACTURER STANDARD	-	-										Quantity is HOLD	
607100SH001-004- HOLD			Safety shower with Eye Washes	400	300	1200	MANUFACTURER STANDARD	0,02												
UNIT 730 - WATER/FOAM FIREFIGHTING SYSTEM																				
607300PA001 A/B		2	Jokey pump	2000	900	800	MANUFACTURER STANDARD	1,20		60 m ³ /h					12 (*)				Possible synergy with existing plant is under evaluation Power estimation basing on estimated pump efficiency of 0,7 TBC by Vendor (*) Pressure at Hydrants is 3 bara	
607300PA002		1	Main Firewater Electrical Pump	2300	1100	1000	MANUFACTURER STANDARD	1,80		90 m ³ /h					18 (*)				Possible synergy with existing plant is under evaluation Power estimation basing on estimated pump efficiency of 0,7 TBC by Vendor (*) Pressure at Hydrants is 3 bara	
607300TA001		1	Diesel Tote Tank	1200	1200	1800	MANUFACTURER STANDARD	0,50	1,50	1 m ³										
607300PA003		1	Main Firewater Diesel Pump	2800	1100	1000	class S1, API 610	2,20		90 m ³ /h					18 (*)				Possible synergy with existing plant is under evaluation Power estimation basing on estimated pump efficiency of 0,7 TBC by Vendor (*) Pressure at Monitor is 6 barg	
607300VA001		1	Fire Water Storage Tank	-	4000	5000	CS+3mmCA+Internal Lining	17,00	192,00	175 m ³						FW	2		Possible synergy with existing plant is under evaluation Internal cathodic protection to be evaluated depending on fluid conductivity	
UNIT 740 - TOTAL SATURATION EXTINGUISHING (For rooms with probable personnel presence)																				
607400XX001 - HOLD	604800XX001	2	Total Saturation Extinguishing System Package (Clean gas agent IG541)				MANUFACTURER STANDARD												The system will be dimensioned in compliance with 304800XX001 dimensions	
607400XX002	606900ZA002	2	Total Saturation Extinguishing System Package (Clean gas agent IG541)	3000	1500	2400	MANUFACTURER STANDARD	6,00		Flooded volume:1200 m ³		AMB	300,0						These preliminary dimensions are referred to one skid for 48 cylinders (D=270mm; V=80 l), loaded with Inergen to 300 bar	
607400JU002- HOLD	607400XX002	1	Local Control Panel for Swith gear room Total Saturation Extinguishing System				MANUFACTURER STANDARD												Located in Electrical Room	ROOM
607400XX003	606900ZA001	2	Total Saturation Extinguishing System Package (Clean gas agent IG541)	1700	1500	2400	MANUFACTURER STANDARD	4,00		Flooded Volume: 720 m ³		AMB	300,0					These preliminary dimensions are referred to one skid for 28cylinders (D=270mm; V=80 l), loaded with Inergen to 300 bar		
607400JU003- HOLD	607400XX003	1	Local Control Panel for Control Building Total Saturation Extinguishing System				MANUFACTURER STANDARD												Located in Instrument/Telecom Room	ROOM
UNIT 750 - TOTAL SATURATION EXTINGUISHING (For unmanned rooms with access control system)																				
607500SE001- HOLD			Portable CO2 Fire Extinguisher (5 kg)	220	220	670	MANUFACTURER STANDARD	0,02											Quantity is HOLD	
UNIT 760 - DRY CHEMICAL FIRE FIGHTING SYSTEM																				
607600SF001- HOLD			Wheeled Dry Powder Fire Extinguisher (50 kg)	600	600	1000	MANUFACTURER STANDARD	0,09											Quantity is HOLD	
607600SE001- HOLD			Portable Dry Powder Fire Extinguisher (12 kg)	240	240	700	MANUFACTURER STANDARD	0,02											Quantity is HOLD	
UNIT 900 - UNINTERRUPTABLE POWER SUPPLY SYSTEM																				
609000EK001		1	Instrument AC UPS	5100	850	2000	MANUFACTURER STANDARD	3,00		60 kW					60,00					ROOM
609000EB001A/B		2	Instrument UPS Battery	6400	765	1875	MANUFACTURER STANDARD	9,40											Located in Battery Room	ROOM
609000EK002		1	Electrical AC UPS	3000	850	2000	MANUFACTURER STANDARD	2,00		40 kW					40,00				Located in Electrical Room	ROOM
609000EB002		1	Electrical UPS Battery	6400	765	1875	MANUFACTURER STANDARD	9,40											Located in Battery Room	ROOM
609000EK003		1	SIS AC UPS	3000	850	2000	MANUFACTURER STANDARD	2,00		10 kW					10,00				-	
609000EB003		1	SIS UPS Battery	3150	765	1875	MANUFACTURER STANDARD	5,00												
609000EJ001A/B		2	UPS Instrument Cut Off Battery	650	480	870	MANUFACTURER STANDARD	0,12											Located in Battery Room	ROOM
609000EJ002		1	UPS Ele. Cut Off Battery	650	480	870	MANUFACTURER STANDARD	0,12											Located in Battery Room	ROOM
609000EJ003		1	UPS SIS Cut Off Battery	650	480	870	MANUFACTURER STANDARD	0,12											Located in Battery Room	ROOM
609000EL003		1	UPS Instrumentation Distribution Panel	2060	640	2350	MANUFACTURER STANDARD	2,00											Located in Battery Room	ROOM
UNIT 910 - HV ELECTRIC POWER DISTRIBUTION																				
609100ET001		1	Main HV Transformer A	6150	7800	4500	MANUFACTURER STANDARD	40,00		25 MVA									Transformer Bay near existing 150 kv Substation (exact ubication shall be verified with RAGE)	
609100ET002		1	Main HV Transformer B	6150	7800	4500	MANUFACTURER STANDARD	40,00		25 MVA									Transformer Bay near existing 150 kv Substation (exact ubication shall be verified with RAGE)	
609100EH001		1	Main 30 kv Switchgear	6000	1765	2725	MANUFACTURER STANDARD	6,00											Located in Electrical Normal Room	ROOM
609100EH002		1	Main 6 kv Switchgear	19074	1765	2725	MANUFACTURER STANDARD	15,00											Located in Electrical Normal Room	ROOM
609100ET003		1	Main MV Transformer A	6150	7800	4500	MANUFACTURER STANDARD	40,00		25 MVA									Transformer Bay	
609100ET004		1	Main MV Transformer B	6150	7800	4500	MANUFACTURER STANDARD	40,00		25 MVA									Transformer Bay	
609100EY001		1	Neutral Earthing Resistor A	1170	1050	1570	MANUFACTURER STANDARD	0,40											Transformer Bay	
609100EY002		1	Neutral Earthing Resistor B	1170	1050	1570	MANUFACTURER STANDARD	0,40											Transformer Bay	
UNIT 920 - MAIN ELECTRIC POWER DISTRIBUTION <= 1000 V																				
609200EP001		1	Main Power Motor Control Center (PMCC)	13500	1644	2350	MANUFACTURER STANDARD	15,60											Located in Electrical Room	ROOM
609200ET001		1	6/0.42 kv M/V/LV Distribution Transformer	2500	1380	2645	MANUFACTURER STANDARD	5,50											Transformer Room	ROOM
609200ET002		1	6/0.42 kv M/V/LV Distribution Transformer	2500	1380	2645	MANUFACTURER STANDARD	5,50											Transformer Room	ROOM
609200EL001		1	0.4/0.42 kv L/V/LV Normal Auxiliary Lighting Panel	3000	640	2200	MANUFACTURER STANDARD	1,20											Located in Electrical Room	
609200ET003		1	0.4/0.42 kv L/V/LV Normal Auxiliary Lighting Transformer	1700	1100	1650	MANUFACTURER STANDARD	1,70											Located in Electrical Room	
609200EL002		1	Main Welding Panel	2000	640	2200	MANUFACTURER STANDARD	0,90											Located in Electrical Room	



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				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
60920E003		1	400/230 V Aux. Distr. Panel SM/TEL Cab.	1100	640	2350	MANUFACTURER STANDARD	0,50											Located in Electrical Room	
60920E007		1	400/230 V Aux. Distr. Panel ELE Building	1100	640	2350	MANUFACTURER STANDARD	0,50											Located in Electrical Room	
60920E013		1	Welding Panel for Ele Building	940	640	2200	MANUFACTURER STANDARD	0,50											Located in Electrical Room	
UNIT 930 - EMERGENCY ELECTRIC POWER DISTRIBUTION																				
60930E001		1	Emergency User Board (EUB)	13500	1644	2350	MANUFACTURER STANDARD	15,60											Located in Electrical Emergency Room	ROOM
60930E001		1	60.42 kV MV/LV Distribution Transformer	2500	1380	2645	MANUFACTURER STANDARD	5,50												
60930E002		1	60.42 kV MV/LV Distribution Transformer	2500	1380	2645	MANUFACTURER STANDARD	5,50												
60930E002		1	60.42 kV MV/LV Distribution Transformer	2500	1380	2645	MANUFACTURER STANDARD	5,50												
60930E003		1	Electrical Management System (EMS)	2400	600	2000	MANUFACTURER STANDARD	1,60											Located in Electrical Normal Room	ROOM
60930E002		1	EMS Console Desk	1800	800	700	MANUFACTURER STANDARD	0,10												
60930E001		1	Emergency Auxiliary Lighting Panel	5000	600	2000	MANUFACTURER STANDARD	2,00											Located in Electrical Emergency Room	ROOM
60930E003		1	0.4/0.42 kV LVLV Emergency Auxiliary Lighting Transformer	1700	1100	1650	MANUFACTURER STANDARD	1,70											Located in Electrical Emergency Room	ROOM
60930E003		1	400/230 V Emergency Lighting/Aux. Distr. Panel ELE Building	1000	600	2300	MANUFACTURER STANDARD	0,90											Located in Electrical Emergency Room	ROOM
60920E010		1	400/230 V Aux. Distr. Panel Control Building	1100	640	2350	MANUFACTURER STANDARD	0,50												
60920E009		1	400/230 V Aux. Distr. Panel Workshop Building	1100	640	2350	MANUFACTURER STANDARD	0,50												
60920E008		1	400/230 V Aux. Distr. Panel Gate Building	1100	640	2350	MANUFACTURER STANDARD	0,50												
UNIT 960 - TELECOMMUNICATIONS																				
60960Q002		1	VHF "Radio Aziendale"	230	480	100	MANUFACTURER STANDARD	0,02											Located in Control Room	ROOM
60960Q001		1	IDS and ACS Control Panel	300	300	1000	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60960Q002		1	IDS and ACS cabinet	800	800	2100	MANUFACTURER STANDARD	0,5											Located in Instrument/Telecom Room	ROOM
60960Q001		1	PA/GA System	800	800	2100	MANUFACTURER STANDARD	0,15											Located in Instrument/Telecom Room (It includes Tonic Generator and Power Module)	ROOM
60960Q001		1	PA/GA Access Control Unit	230	480	100	MANUFACTURER STANDARD	0,02												
60960J001		1	CCTV Video Control Unit (Plant)	720	1100	750	MANUFACTURER STANDARD	0,01											Located in Instrument/Telecom Room	ROOM
60960Q004		1	CCTV System Cabinet (Plant)	800	800	2100	MANUFACTURER STANDARD	0,5											Located in Instrument/Telecom Room	ROOM
60960J002		1	CCTV Video Control Unit (Security)	720	1100	750	MANUFACTURER STANDARD	0,01											Located in Instrument/Telecom Room	ROOM
60960Q005		1	CCTV System Cabinet (Security)	800	800	2100	MANUFACTURER STANDARD	0,5											Located in Instrument/Telecom Room	ROOM
60960J003A/B		2	Video Wall				MANUFACTURER STANDARD	0,15												
60960Q001		1	PABX + MDF	600	800	2100	MANUFACTURER STANDARD	0,10											Located in Instrument/Telecom Room	ROOM
60960Q002		1	Networking cabinet	600	800	2100	MANUFACTURER STANDARD	0,10											Located in Instrument/Telecom Room	ROOM
60960Q003		1	Networking cabinet	600	800	2100	MANUFACTURER STANDARD	0,10											Located in Control Room	ROOM
UNIT 970 - CONTROL SYSTEM																				
60970J001		1	DCS Operator Console	720	1100	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970J002		1	DCS Operator Console	720	1100	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970J001		1	Report Colour Printer	800	600	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970J002		1	Alarm Printer	800	600	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970J003		1	Colour Printer	800	600	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970J003		1	ICSS Engineering Workstation	720	1100	750	MANUFACTURER STANDARD	0,05											Located in Control Room	ROOM
60970JG001		1	DCS Electrical Power Distribution Cabinet	800	800	2100	MANUFACTURER STANDARD	0,50							7,00				Located in Instrument/Telecom Room. It serves DCS system. Power value, in this case, represents the total power consumption of all of its loads.	ROOM
60970JG002		1	UCP Electrical Power Distribution Cabinet	800	800	2100	MANUFACTURER STANDARD	0,50							12,00				Located in Instrument/Telecom Room. It serves UCPs system. Power value, in this case, represents the total power consumption of all of its loads.	ROOM
60970J001		1	DCS Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J002		1	DCS Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J003		1	DCS Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J004		1	DCS Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J001		1	DCS System Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J002		1	DCS System Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J007		1	Serial Interface Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970JN001		1	ICSS System Bus Interconnection Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970J003		1	DCS Operator Console (EWS)	720	1100	750	MANUFACTURER STANDARD	0,05											Located in Instrument/Telecom Room	ROOM
60970JJ08		1	Electrical Interposing Relay Panel (ERP)	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
60970JJ09		1	Electrical Interposing Relay Panel (ERP)	800	800	2100	MANUFACTURER STANDARD	0,40											Located in Instrument/Telecom Room	ROOM
UNIT 980 - ESD SYSTEM																				



tecnomare

Company Document Identification

Contractor Document Identification

Rev. Index

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CS-FS

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ITEM	INSTALLED ON	NR	DESCRIPTION	DIMENSIONS (mm)			MATERIAL	WEIGHT (t)		CAPACITY	TEMPERATURE (°C)		PRESSURE (bar g)		POWER (kW)	PED		CATEGORY (to be confirmed by vendor)	NOTES	LOC
				L	W / D	H		Empty	Oper.		Prog.	Oper.	Prog.	Oper.		FLUID	GROUP			
609800JE001		1	ESD / F&G Operator Console (EWS)	720	1100	750	MANUFACTURER STANDARD	0,05							-	-	-		Located in Instrument/Telecom Room	ROOM
609800JO001		1	SOE Printer	800	600	750	MANUFACTURER STANDARD	0,05							-	-	-		Located in Instrument/Telecom Room	ROOM
609800JJ001		1	ESD Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-		Located in Instrument/Telecom Room	ROOM
609800JJ002		1	ESD Marshalling Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-		Located in Instrument/Telecom Room	ROOM
609800JE002		1	ESD System Cabinet	800	800	2100	MANUFACTURER STANDARD	0,40			-	-	-	-	-	-	-		Located in Instrument/Telecom Room	ROOM
609800JE005		1	POSIMOS Console	720	1100	750	MANUFACTURER STANDARD	0,05							-	-	-		Located in Control Room	ROOM