

Annex 5-D

Equipment Inventory during Operational Phase

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SOUTH SOKO OPTION													
A-Weighted Correction			26.2	16.1	8.6	3.2	0.0	-1.2	-1.0	1.1			
			Octave and Center Frequency Hz								SWL		
Data Source ⁽¹⁾			63	125	250	500	1000	2000	4000	8000	dB(A)	No. of plant	
Heat Exchangers													
E-301A-D	LNG Seawater Vaporizers (& Spare)	F	105	103	97	88	85	85	82	74	94	4	
E-302 A-C	LNG Submerged Combustion Vaporizer	M	97	107	113	121	116	113	108	100	121	3	
Blowers, Compressors and Generator (Note 9)													
K-301 A/B	Boil-off Gas Compressors (450 kW)	E	101	101	101	101	103	99	95	92	106	2	
K-302	Ship Unloading Compressor (900 kW)	E	107	107	107	107	109	105	101	98	112	1	
K-303	Pipeline Compressor (800 kW)	E	101	101	101	101	103	99	95	92	106	1	
K-401 A/B	Instrument/Plant Air Compressor & spare	M	59	73	83	88	89	86	81	74	93	2	
G-401 A-C	Gas Turbine Generators (& spare) (South Soko Op only)	M	80	84	86	87	86	92	94	85	98	5	
G-402	Emergency Generator-Diesel Driven	M	80	84	86	87	86	92	94	85	98	1	
Pumps													
P-201 A-D	LNG Send-out Pumps – in LNG Tank (two per tank)	M	94	96	97	96	95	94	91	88	101	4	
P-301 A-D	HP LNG Booster Pumps (& Spare)	F	90	92	93	93	93	98	88	81	101	4	
P-401 A-C	Seawater Pumps (& Spare)	M	80	84	86	87	86	92	94	85	98	3	
P-402 A-D	Firewater Pumps – 2 Electric & 2 Diesel	M	80	84	86	87	86	92	94	85	98	4	
P-403 A/B	Firewater Jockey Pump (& Spare)	M	51	62	72	80	82	81	77	70	86	2	
P-404 A/B	Service Water Pump (& Spare)	M	51	62	72	80	82	81	77	70	86	2	
P-405 A/B	Drinking Water Pump (& spare)	M	51	62	72	80	82	81	77	70	86	2	
P-406	Submerged Combustion Vaporizer Water Overflow Pump	M	87	89	90	89	88	87	84	81	94	1	
P-407	CPI Oily Water Sump Pump	M	87	89	90	89	88	87	84	81	94	1	
P-408 A/B	Process Area Sump Pumps, 2 x 100%	M	87	89	90	89	88	87	84	81	94	2	
Special Equipment													
N-101 A-D	LNG Unloading Arms (& Spare)	M	65	68	69	69	71	66	60	52	74	4	
N-102	LNG Vapor Return Arm	M	65	68	69	69	71	66	60	52	74	1	
N-401	Nitrogen Package for Terminal	M	70	76	82	88	94	98	94	88	102	1	
N-402	Instrument Air Drier and Package	M	79	83	85	77	75	74	74	71	83	1	
Expansion Case - 1000 MSCFD													
E-301 E/F	LNG Seawater Vaporizer	F	105	103	97	88	85	85	82	74	94	2	
E-302 D/E	LNG Submerged Combustion Vaporizer	M	97	107	113	121	116	113	108	100	121	2	
P-201 E/F	LNG Send-out Pumps - in T-201 C	M	94	96	97	96	95	94	91	88	101	2	
P-301 H-J	HP LNG Booster Pumps	F	90	92	93	93	93	98	88	81	101	2	
P-401 D	Seawater Pump	M	80	84	86	87	86	92	94	85	98	1	
Note:													

(1) F indicates noise data obtained from the field measurement conducted at other LNG Terminal, and M indicates the noise data provided by Manufacturers.