



ECR. 9.1 - CRITICAL EQUIPMENT SAFE SPARES FOR INVENTORY

Date : 10/08/2018
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 Made by : QHSE
 Approved by : MD
 Rev. No : 0

Vessel: Bitu Atlantic	Date (dd/mm/yy): 31/10/18
Name Chief Engineer: ANDRIESANU Dumitru	Month : October

List applicable as per vessel equipment

Sr No	Sec	Description	Unit	Min Qty. Reqd.	ROB
1		Main Propulsion Machinery			
	a	Auto Air Starting Valve (Overhaul Kit)	Set	1	1
	b	Main Air Distributor - Air Piston / Bush & Spring)	Set	1	1
2		Steering Gear (incl. Emergency Steering Gear)			
	a	Spare Electric Motor (one that receives supply from the ESB).	Nos	1	1
	b	Spare Directional Control Solenoid Valve Block	Nos	1	1
	c	Spare Oil Filter Cartridges	Nos	2	2
	d	Hydraulic Oil	Ltrs	(Compl Charge)	460
	e	Oil Seals for 'Rams' and 'Pumps' as applicable.	Set	1	1
3		Windlass & Hoisting Winches			
	a	Spare Brake Lining and Screws for Windlass	Set	2	2
4		Life Boat & Davit			
	a	Spares for the Davit Winch - rotor vanes for the pneumatic motor or spare electrical motor (whichever is applicable)	Set	1	1
	b	Spare Brake Lining for the Winch	Set	1	1
	c	Spare Lub Oil and Fuel Oil Filters for Engine	Nos	1	1
	d	Engine Oil	Ltrs	20	20
	e	Spare Fuel			
	f	Injectors	Nos	2	2
	g	Spare set of gaskets for the engine	Set	1	1
	g	Gearbox Oil	Ltrs	20	20
5		Rescue Boat			
	a	Pressure gauge for air filling	Nos	1	1
	b	Air Pump for filling Boat	Nos	1	1
	c	Standard Boat Repair Kit	Set	1	1
	d	Spark Plugs for Outboard Motor	Nos	1	1
	e	Brake Lining for Winch	Set	1	1

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6 Emergency Generator				
a	Spare Lub Oil and Fuel Oil Filters	Nos	1	1
b	Engine Oil	Ltrs	(Compl Charge)	30
	Spare Fuel			
c	Injectors	Nos	2	2
d	Spare set of gaskets for the engine	Set	1	1
e	Spare Belt for Pulley - CW Pump	Nos	1	1
f	Spares for the starter motor	Set	1	1
7 Emergency Fire Pump				
a	Spare Mechanical Seal for Shaft	Nos	1	1
b	Spare Impeller	Nos	1	1
c	Set of Gaskets	Set	1	1
d	Spare Bearings / Bushes	Set	1	1
e	Spare Wear Rings	Set	1	1
f	Spare Electric Motor (Prime Mover)	Nos	1	1
g	Spare Lub Oil and Fuel Oil Filters (for Prime Mover)	Nos	1	1
h	Engine Oil (for Prime Mover)	Ltrs	(Compl Charge)	N/a
i	Spare Fuel Injectors (for Prime Mover)	Nos	2	N/a
j	Spare set of gaskets for the engine (for Prime Mover)	Set	1	N/a
k	Spare Belt for Pulley - CW Pump (for Prime Mover)	Nos	1	N/a
l	Coupling (between Prime Mover and Pump)	Nos	1	N/a
8 Emergency Switchboard				
a	Spare set of Fuses	Set	1	1
b	Spare set of Contactors	Set	1	1
c	Spare Circuit Breaker	Nos	1	1
9 Emergency Air Compressor				
a	Spare set of Gaskets / seals	Set	1	1
10 Cargo Pump Temperature Sensor				
a	Temp Sensor	Nos	1	1
11 Fixed Gas Detection System				
a	Complete Set of Calibration Gases	Set	1	1
12 Personal Oxygen Monitors				
a	Spare Monitor Complete (extra to the minimum requirement)	Nos	1	1
b	Calibration Gas	Set	1	2

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Emergency Stops and Quick Closing Valves					
13	a	Actuator Overhaul Kit	Nos	2	2
Magnetic Compass					
14	a	Spare Compass Fluid	Ltr	1	1
Fire Detection System					
15	a	Spare Sensor Heads for Smoke Detectors	Nos	2	2
	b	Spare Sensor Heads for Heat Detectors	Nos	2	2
Oily Water Separator					
16	a	Filters / Coalescers	Set	1	2
	b	Pump Overhaul Set	Set	1	1
	c	Measuring Cell Cleaning kit	Kit	1	1
Oil Detecting Monitoring Equipment					
17	a	Recording Paper	Rolls	2	N/a
	b	Measuring Cell Cleaning Kit	Kit	1	1

ANDRIESANU Dumitru
Name Chief Engineer


Signature