

ECR. 9.1 - CRITICAL EQUIPMENT SAFE SPARES FOR INVENTORY

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Made by : QHSE
Approved by : MD
Rev. No : 0

Vessel: Bitu Atlantic	Date (dd/mm/yy): 30/11/18
Name Chief Engineer: ANDRIESANU Dumitru	Month : November

List applicable as per vessel equipment

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



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6		Emergency Generator			
	а	Spare Lub Oil and Fuel Oil Filters	Nos	1	1
	b	Engine Oil	Ltrs	(Compl Charge)	30
			Lus	Charge)	- 55
		Spare Fuel			
	С	Injectors	Nos	2	2
	d	Spare set of gaskets for the engine	Set	1	1
	е	Spare Belt for Pulley - CW Pump	Nos	1	1
	f	Spares for the starter motor	Set	1	1
7		Emergency Fire Pump			-
	а	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
	`` 	Coupling (between Prime Mover and Pump)	Nos	1	N/a
		1, 0,			
8		Emergency Switchboard			
	а	Spare set of Fuses	Set	1	1
	b	Spare set of Contactors	Set	1	1
	С	Spare Circuit Breaker	Nos	1	1
9		Emergency Air Compressor			
3	а	Spare set of Gaskets / seals	Set	1	1
	а	opare set of Gaskets / Seals	Jet	'	'
10		Cargo Pump Temperature Sensor			
	а	Temp Sensor	Nos	1	1
		Final Con Potentian			
11		Fixed Gas Detection System			
	а	Complete Set of Calibration Gases	Set	1	1
12		Personal Oxygen Monitors			
	а	Spare Monitor Complete (extra to the minimum requirement)	Nos	1	1
	b	Calibration Gas	Set	1	2



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

ANDRIESANU Dumitru Name Chief Engineer

Signature