PAMBANSANG PUNONGHIMPILAN TANOD BAYBAYIN NG PILIPINAS
(National Headquarters Philippine Coast Guard)
Technical Working Group for Ships Repair/Maintenance
139 25th Street, Port Area, 1018 Manila

SUPPLEMENTAL/BID BULLETIN NO. 08-2024

This Supplemental/Bid Bulletin No. 08-2024 is issued to include the following clarification/changes raised by the prospective bidders. as an integral part of the Bidding Documents for the **Supply and Delivery of Services and Parts for One (1) Year Integrated Logistics Support (ILS) Intended for Ten (10) 44-Meter Multi-Role Response Vessels (MRRVs)** detailed as follows:

Section VII. Technical Specifications

Section VII. Technical Specifications is hereby amended to read as and additional item/s must be included as required:

x x x

A. Drydocking Works (1 vessel per Quarter)			**4**	**Vessels**	
A.1	**DRYDOCKING SERVICES**				
	A.1.1	**Docking and Undocking of Vessel**	1 lot		
	A.1.2	**Drydock Lay Days Rental**	60 days		
	A.1.3	**Mooring and Unmooring - prior to movements**			
		Mooring during arrival/ beaching Unmooring before docking Mooring after undocking. Unmooring prior pull-out to anchorage**.**	4 movements		
	A.1.4	**Tug Assistance during Docking/Undocking**			
		a.) Using Two (2) Tugboat to assist the vessel for beaching from anchorage area to slipway.	1 lot		
		b.) Mobilization/demobilization to assist the vessel for beaching from anchorage area to slipway.	1 lot		
		c.) Using Two (2) Tugboat to assist the vessel pull-out to anchorage from slipway.	1 lot		
		d.) Mobilization/demobilization of tug boat to `assist the vessel pull-out to anchorage from slipway.	1 lot		
	A.1.5	**Shoreline Handlers - prior to movements:**	4 movements		
		a.) Mooring during arrival/ beaching			
		c.) Unmooring before docking			
		d.) Mooring after undocking.			
		e.) Unmooring prior pull-out to anchorage.			
	A.1.6	**Dock Preparation and Block Arrangement**			

		a.) Hull Keel Block	28 sets		
		b.) Hull Side Block Port & Stbd	56 sets		
		c.) Reblocking of Keel prior lift-up.	56 sets		
	A.1.7	**Dock Master during movements docking & undock**	1 lot		
	A.1.8	**Wharfage**	1 lot		
A.2	**GENERAL SERVICES**				
	A.2.1	**Wharfage - to provide berth side for afloat**			
		Gangway for access during vessel stay at yard	1 lot		
	A.2.2	**Shore line Power**			
		a.) Connect and disconnect; 220V, 3phase, 60 Hz	1 time		
		b.) Electrical power consumption	1 lot		
	A.2.3	**Fire line Supply**			
		a.) Connect and disconnect fireline onboard.	1 time		
		b.) Daily maintained pressure supply	1 lot		
	A.2.4	**Fresh Water Supply**			
		a.) Connect and disconnect	1 time		
		b.) Fresh Water Supply, Minimum of 5 Tons	1 lot		
	A.2.5	**Garbage Disposal**	1 lot		
		Provide Barge/bin for disposal of sludge and other gaseous/non-gaseous and toxic/non-toxic substances/materials (1 cu.m per day)			
	A.2.6	**Gas Free Inspection**	1 lot		
		Conduct gas free inspection onboard of tanks by yard's safety personnel prior to vessel's entry of tanks for any works/activities.			
	A.2.7	**Ventilation / Blower**	1 lot		
		provides Ventilation / Blower for Air circulation, Temperature Control, Fume and Dust control for the enclose room and Tanks while conducting activities/Works while in Dry-Dock			
	A.2.8	**Temporary Lighting**	1 lot		
		Provide temporary lighting during the period of dry docking to provide adequate illumination where permanent fixtures are unavailable or impractical to ensures safety and visibility during nighttime work or in areas lacking natural light.			
	A.2.9	**Security Watchmen**	1 lot		
		Provide security watchmen vessel and vessels materials during the period of repair. at least 1 Security Watchmen per day			
	A.2.10	**Safety Firewatch**	1 lot		
		Provide Safety Firewatch with firefighting equipment and provision for safety for the duration of repair. at least 1 Safety Firewatch per day			
	A.2.11	**Yard's Equipment Usage**			
		a.) Forklift usage	1 lot		
		b.) Cranage usage	1 lot		

		Mobilization/Demobilization	1 lot		
		c.) Cherry Picker	1 lot		
		d.) Scissor Lift for blasting and painting access	1 lot		
		e.) Service boat for crew usage	1 lot		
		f.) Service boat for supply of water in anchorage near yard	1 lot		
	A.2.12	**Scaffold / Staging for access**			
		a.) External Staging :	1 lot		
		b.) Internal Staging :	1 lot		
	A.2.13	**Hull Scupper chutes prior of painting works**	20 pcs		
	A.2.14	**Various Testing**			
		Vacuum Testing (Non-Destructive Testing)	1 lot		
	A.2.15	**Temporary Accommodation**			
		Provide house and service car accommodation.	3 months		
A.3	**HULL PRESERVATION WORKS**				
	A.3.1	**Hull Washing**			
		a.) Hull FW high pressure Jet washing from Keel to DLL.	700.88 m²		
		b.) Hull FW low pressure Washdown prior second coat from Keel to Deckline.	907.06 m²		
	A.3.2	**Scrapping**			
		Hull Scraping of barnacles	490.61m²		
	A.3.3	**Manual Chipping**			
		Hull Manual Chipping, if required excluded	m²		
	A.3.4	**Hull Blasting**			
		Keel to DLL = 700.88 sqm			
		Spot Blasting (SA 2.0)	210.26 m²		
		Sweep Blasting (SA 1.0)	490.61m²		
		DLL to Deckline = 206.18 sqm			
		Spot Blasting (SA 2.0)	61.86 m²		
		Sweep Blasting (SA 1.0)	144.33 m²		
		Super Structure Included Railings = 297.62 sqm			
		Spot Blasting (SA 2.0)	89.29 m²		
		Sweep Blasting (SA 1.0)	208.33 m²		
	A.3.5	**Hull Painting (Shipyard paint & thinners)**			
		Keel to DLL = 700.88 sqm			
		One (1) Full coat Primer	700.88 m²		
		One (1) Full coat 2nd Coat	700.88 m²		
		One (1) Full coat Anti-Corrosive	700.88 m²		
		Supply of Paints and Lacquer Thinner			
		Paints	421 Liters		
		Thinner	43 Liters		
		DLL to Deckline = 206.18 sqm			
		One (1) Full coat Primer	206.18 m²		
		One (1) Full coat 2nd Coat	206.18 m²		
		One (1) Full coat Top Coat	206.18 m²		

		Supply of Paints and Lacquer Thinner			
		Paints	124 Liters		
		Thinner	13 Liters		
		Decks, Superstructure, Railings = 297.62 sqm			
		Stairway Preservation and Deck Appendages Preservation			
		One (1) Full coat Primer	297.62 m^2		
		One (1) Full coat 2nd Coat	297.62 m^2		
		One (1) Full coat Top Coat	297.62 m^2		
		Supply of Paints and Lacquer Thinner			
		Paint including Anti-Skid	179 Liters		
		Thinner	18 Liters		
		Hull Painting Load line			
		Separation load line in between DLL & topsides w/ LBP	162.88 meters		
		Seachest box/ grids			
		1) Remove sea chest gratings (clean, blast, paint, refit in good order)	6 grating		
		2) Blasting and painting of sea chest boxes	6 locations		
		Hull Markings Repaint			
		Re-Paint with Shipyard's paint on hull markings			
		Draft Marks: Fwd., Mid, Aft, Port and starboard	6set		
		Ship's Name, Fwd. Port and starboard	3set		
		Plimsoll, Port and starboard	2set		
		Ship's LOGO, PCG name and on Side Shell (Port and starboard)	100sqm		
	A.3.6	**Zinc Anode**			
		Removed wasted anodes and renewed using Shipyard's furnished materials.			
		Plain removal of anode	16 anodes		
		Anode Installation	16 anodes		
		Yards supply zinc anodes			
		Cover/Protection in way of painting	16 pcs		
A.4	**STRUCTURAL AND PIPE WORKS**				
	A.4.1	**Ultrasonic Thickness Gauging (UTG)**			
		Conduct ultrasonic gauging on the following locations;			
		a) Bottom & Side Shell Plate Gauging allow	500 points		
		b) Hammer test, inspect hull & marked suspected areas before dock	1 occasion		
		c) Hull survey/inspection prior undocking	1 occasion		
	A.4.2	**Structural Works**			
		Hull external replating using blasted High Tensile Steel (KA36) 6.00mm Thick or equivalent grade such as ABS Grade A).	1 lot		
	A.4.3	**Renewal of Deteriorated Pipelines and Fittings**	1 Lot		
		1. Flange to flange			

		BI Pipe Size Sch 80			
		25mm			
		38mm			
		50mm			
		75mm			
		100mm			
		125mm			
		150mm			
		200mm			
		250mm			
		300mm			
		2. Elbows, flanges, fasteners, sleeves, reducer-extra			
		3. Testing, air testing, pickling, flushing			
		4. Pipes inside confined spaces and tanks			
A.5	**TANK WORKS**				
	A.5.1	**Servicing (Opening/reclosing) of Manhole**			
		1. Fuel Oil Tank (P&S) - Pull-out bolts and nuts	2set		
		2. Fuel Oil Tank (P&S) - Clean Manhole Cover - Renew deteriorated bolts and nuts - Renew Manhole Rubber Gasket - Install Manhole cover and tighten the nuts	2set		
	A.5.2	**Cleaning of Fuel Oil Tank (P&S)**			
		Pump-out of fuel on tank and transfer to temporary storage.	40 m^3		
		Scrape off remaining oil and sludge.	4 m^3		
		Provide temporary storage for fuel.	1 lot		
		Pump-in of fuel on temporary storage and transfer to tank after work.	40 m^3		
	A.5.3	**Cleaning of Fresh Water Tank (P&S)**			
		Pump-out of FW on tank and transfer to temporary storage.	40 m^3		
		Scrape off remaining water and mud.	4 m^3		
		Provide temporary storage for fresh water.	1 lot		
		Pump-in of FW on temporary storage and transfer to tank after work.	40 m^3		
	A.5.4	**Cleaning of Engine Room Bilge**			
		Pump-out of residual oily water.	15 m^3		
		Scrape off remaining oily water and sludge.	3 m^3		
		Clean, wipe and dry of Engine Room Bilge	1 lot		
		Repaint Engine Room Bilge	1 lot		
	A.5.5	**Cleaning of Auxiliary Room Bilge**			
		Pump-out of residual oily water.	15 m^3		
		Scrape off remaining oily water and sludge.	3 m^3		

		Clean, wipe and dry of Auxiliary Room Bilge	1 lot		
		Repaint Auxiliary Room Bilge	1 lot		
	A.5.6	**Cleaning of ANCHOR/CHAINS AND LOCKER WORKS**			
		Range out/in anchor chain from chain locker & lay-out to dock floor	2sets		
		a. Crane usage	16 hours		
		b. Crane mobilization/demobilization	2 time		
		De-rust chain slagblasting to SA 2.0	2sets		
		Calibrate anchor and chain & issue certificate	2sets		
		Disconnect/reconnect bitter ends.	2 per set		
		Apply one coat (chain & anchor) - Yards' paint	2 per set		
		Power tooling of chain locker room.	2 lockers		
		Apply paint/coating to chain locker - Yards' paint	2 lockers		
		Supply of Coal Tar	1 lot		
A.6	**PROPULSION**				
	A.6.1	**TAILSHAFT WORKS (P&S)**			
		Shaft Details: 168 mm-D x 8,279 mm-L, Stainless Steel (Grade 1)			
		Seal Type: EVK2RV-150-150SRPT, Water Panel			
		Bearing Type: Teflon Rubber Coated Bearing			
		Check bearing clearance of tailshaft on Inboard, Outboard and Strut.	6 locations		
		Decouple/re-couple, jump-off tailshaft coupling.	2 pcs		
		Draw out Tailshaft	2 shafts		
		Transport tailshaft to shop for works	2 shafts		
		Transport coupling to shop for works	2 pcs		
		Clean and polish tailshaft.	2 shafts		
		Recondition coupling bolts and nuts.	16 pcs		
		Disconnect/Reconnect of seawater cooling line.	2 sets		
		Disconnect/Reconnect of airline.	2 sets		
		Removal/ Renewal of back up seal.	2 pcs		
		Removal/ Reinstallation of matting ring.	2 pcs		
		Removal/Renewal of seal housing.	2 sets		
		Transport seal housing to shop and back to vessel after works.	2 sets		
		Dismantle, recondition and reassemble of seal housing.	2 sets		
		Renew shaft seals and O-rings. (Yard Supply)	2 pcs		
		Supply of seals and O-ring.	2 pcs		
		Conduct air test on EVK balloon.	2 sets		
		Mount tailshaft to lathe machine and check straightness.	2 shafts		
		Check radial/ axial alignment of tailshaft.	2 shafts		
		Check and calibrate tailshaft sleeve of outboard, inboard and strut (fwd. & aft) before and after	8 readings		
		execution of tailshaft works.			

		Check and calibrate tailshaft bearing of outboard inboard and strut (fwd. & aft) before and after execution of tailshaft works.	8 readings		
		Dye check tailshaft tapered ends @ coupling and propeller side.	4 tapered		
		Conduct Honing/blue fitting of port and starboard side propeller taper cone both propeller side and coupling sides.	4 shafts		
		Servicing of shaft lock/ Stopper Assy	2 Assy		
		Conduct manual rotation test.	2 shafts		
	A.6.2	**PROPELLER WORKS (P&S)**			
		Prop. Details: 1,450 mm-D x 5 Blades,			
		Fix Pitch Propeller Aluminum Bronze			
		Unfreeze, remove, polish & reinstall propeller cap nut.	7 pcs		
		Remove and reinstall propeller lock.	2 pcs		
		Removal/reinstallation of propeller blades.	2 pcs		
		Transport propeller to shop for works and vice versa.	2 pcs		
		For the supply of labor, tools, materials, equipment and other facilities including strict supervision and quality control using DYNAMIC Precision Electronic Pitch Meter in the reconditioning of Aluminum Bronze Propeller, Right and Left Hand Rotation Reconditioning includes straightening dented portions, aligning uniform pitch at 0.7 radius on all blades, equal blade spacing, aligning leading/trailing edges, dye penetrant test at 0.2 radius and 0.7 to 1.0 radius	2 sets		
	A.6.3	**RUDDER WORKS (P&S)**			
		Prop. Details: 150 mm-D x 1,836.50 mm-L, Stainless Steel (Grade 1)			
		Check clearance of lower & upper bearing.	4 locations		
		Disassemble/re-assemble steering gear.	2 sets		
		Remove/re-installation of rudder shaft with blade.	2 shafts		
		Conduct swing test on rudder blade, prior after docking and before undocking.	2 occasions		
A.7	**VALVES & MACHINERY WORKS**				
	A.7.1	**Valve Works**			
		1. Disassemble and re-assemble all valves, sandblast valve housings, lap and grind valves from disk to seat clean all exposed parts, testing bedding and reassemble with new cover joint and repack gland with conventional soft packing and replace deteriorated basket of strainers and all defective internal parts of the following:			
	A.7.1.1	**Main Engine Sea Chest (P)**			
		a. 5k150Butterfly Valve	1 pc		

		b. 5k40Gate/ Globe Valve	1 pc		
		c. D200Basket Type Strainer	1 pc		
	A.7.1.2	**Main Engine Sea Chest (S)**			
		a. 5k150Butterfly Valve	1 pc		
		b. 5k40Gate/ Globe Valve	1 pc		
		c. D200Basket Type Strainer	1 pc		
	A.7.1.3	**Auxiliary Engine Sea Chest (P)**			
		a. 5k50 Angle Valve	2 pcs		
		b. 5k40Angle Valve	1 pc		
		c. 5k20Globe Valve	1 pc		
	A.7.1.4	**Auxiliary Engine Sea Chest (S)**			
		a. 5k50 Angle Valve	2 pcs		
		b. 5k20Angle Valve	1 pc		
	A.7.1.5	**Air-condition Sea Chest (P)**			
		a. 5k150Butterfly Valve	1 pc		
		b. 5k40Angle Valve	1 pc		
		c. 5k25Angle Valve	3 pcs		
	A.7.1.6	**Fire Hydrant Sea Chest (S)**			
		a. 5k65Butterfly Valve	2 pcs		
		b. 5k40Angle Valve	1 pc		
		c. 5k20Globe Valve	1 pc		
	A.7.1.7	**Conduct hydrotest of newly repaired and replaced valves with at least 150% operating pressure.**	22 pcs		
	A.7.1.8	**Blast valve body and apply 1coat primer paint.**	22 pcs		
A.8	**MISCELLANEOUS AND ADDITIONAL WORKS**				
	A.8.1	**Shell Expansion Plan and Ship Repair Services documentation**			
		Provided Four (4) copies of Shell Expansion Plan indicating the work done in the vessel, w/ reference plan.	1 lot		
	A.8.2	**Electrical Megger Testing**			
		26-50 Kw megger test motor	1 lot		
		51-100 Kw megger test motor	1 lot		
	A.8.3	**Sea Trial**			
		Provide technical crew during sea trial including service boat. Engine trial @ anchorage	1 trial		
B. MTU 12V 4000 M93L PREVENTIVE MAINTENANCE SCHEDULE MATRIX for Port and Starboard Main Engine of A. MRRV-4401, B. MRRV-4403, C. MRRV-4404, D. MRRV-4408, E. MRRV-4409, F. MRRV-4410 and G. MRRV-4411.			**14**	**Engines**	
B. 1	**4500 Running Hours**				
	B.1.1	**Centrifugal Filter**			
		Check thickness of oil residue layer. Clean. Fit new sleeve, at the latest, each time the engine oil is changed.			
	B.1.2	**Oil Indicator Filter**			
		Check and clean oil indicator filter.			

	B.1.3	**Valve Gear**			
		Check valve clearance, adjust if required. ATTENTION! Initial adjustment after 1,000 operating hours and subsequently 1,000 operating hours after each cylinder-head overhaul			
	B.1.4	**Turbochargers**			
		Clean compressor wheel.			
		Overhaul turbochargers.			
		Fit new turbine wheels for turbochargers.			
	B.1.5	**Air Filter**			
		Fit new air filters.			
	B.1.6	**Fuel Injectors**			
		Replace fuel injectors.			
	B.1.7	**Engine Governor**			
		Injector: reset drift compensation parameters (CDC).			
	B.1.8	**Combustion Chamber**			
		Inspect cylinder chambers using endoscope.			
	B.1.9	**Crankcase Breather**			
		Replace impactor.			
		Clean cyclone-type filter element.			
	B.1.10	**Battery Charging alternator**			
		Check condition of coupling.			
	B.1.11	**Preheat / Jacket water heater**			
		Overhaul preheater / jacket water heater.			
		Replace circulating pump.			
	B.1.12	**Engine Mounts**			
		Check buffer clearance of resilient mounts Check proper seating of securing screws.			
		Fit new engine mounts.			
	B.1.13	**Cylinder Head**			
		Overhaul cylinder heads. Visually inspect piston crowns and wear pat- tern on cylinder liner running surfaces.			
	B.1.14	**Component Maintenance**			
		Before starting maintenance work, carry out test run and record operating parameters. Then drain coolant and flush cooling systems.			
		Inspect rocker arms and valve bridge for wear. Insert an endoscope through the pushrod bore to visually inspect swing followers and cam- shaft running surfaces.			
		Clean air ducting			
		Clean intercooler and inspect for leakage.			
		Fit new high-pressure fuel sensor.			
		Check engine coolant thermostat and fit new thermal actuator.			
		Inspect centrifugal oil filter for wear.			

		Overhaul starter.			
		Clean engine coolant cooler and inspect it for leaks.			
		Clean engine oil cooler and inspect it for leaks.			
		Check operation of diverter valve.			
		Fit new seals sealing materials for all disassembled components.			
		Overhaul engine coolant pump.			
		Overhaul raw-water pump.			
		Overhaul bilge pump.			
	B.1.15	**Rubber Sleeves**			
		Replace all rubber sleeves.			
	B.1.16	**Hose Lines**			
		Replace all hose lines.			
	B.1.17	**Automatic Engine Oil Filter**			
		Remove filter housing and clean. Fit new filter candles.			
	B.1.18	**Extended Component Maintenance**			
		Completely disassemble the engine. Inspect engine components as per assembly instructions and repair or fit new components as re- quired.			
		Replace all elastomeric parts and seals with new ones.			
		Fit new piston rings.			
		Fit new conrod bearings.			
		Fit new crankshaft bearings.			
		Fit new cylinder liners.			
		Fit new fuel delivery pump.			
		Fit new actuating cylinders for air flow control flaps.			
		Fit new actuator cylinders for exhaust flaps.			
		Fit new exhaust flap bearings.			
		Fit new camshaft bearings and camshaft thrust bearings.			
		Fit new pressure relief valve in high-pressure fuel system.			
		Overhaul battery-charging generator.			
		Check gear train for cracks, replace bushings, check axles and replace if necessary.			
		Fit new engine oil pump.			
		Fit new rubber elements of engine mounts.			
		Replace swing followers and swing-follower shafts.			
		Replace oil replenishment pump.			
		Check vibration damper, fit new one if necessary.			
	B.1.19	**HP Fuel Filter**			
		Check vibration damper, fit new one if necessary.			
B.2	**For every 500 Running Hours, after conducting 4,500 Running Hours**				

	B.2.1	**Centrifugal Filter**			
		Check thickness of oil residue layer. Clean. Fit new sleeve, at the latest, each time the engine oil is changed.			
	B.2.2	**Oil Indicator Filter**			
		Check and clean oil indicator filter.			
B.3	**For every 1,000 Running Hours, after conducting 4,500 Running Hours**				
	B.3.1	**Engine Mounts**			
		Carry out visual inspection of engine mounts for general condition.			
	B.3.2	**Fuel Filter**			
		Fit new fuel filter or new fuel filter insert.			
	B.3.3	**Fuel Prefilter**			
		Fit new fuel prefilter or new fuel prefilter insert.			
	B.3.4	**Intermediate Fuel Filter**			
		Replace intermediate fuel filter of filter element of intermediate fuel filter.			
	B.3.5	**Valve Gear**			
		Check valve clearance, adjust if required. ATTENTION! Initial adjustment after 1,000 operating hours and subsequently 1,000 operating hours after each cylinder-head overhaul			
B.4	**For every 1,500 Running Hours, after conducting 4,500 Running Hours**				
	B.4.1	**Centrifugal Filter**			
		Check thickness of oil residue layer. Clean. Fit new sleeve, at the latest, each time the engine oil is changed.			
	B.4.2	**Oil Indicator Filter**			
		Check and clean oil indicator filter.			
B.5	**For 2,000 Running Hours, after conducting 4,500 Running Hours**				
	B.5.1	**Engine Mounts**			
		Carry out visual inspection of engine mounts for general condition.			
	B.5.2	**Fuel Filter**			
		Fit new fuel filter or new fuel filter insert.			
	B.5.3	**Fuel Prefilter**			
		Fit new fuel prefilter or new fuel prefilter insert.			
	B.5.4	**Intermediate Fuel Filter**			
		Replace intermediate fuel filter of filter element of intermediate fuel filter.			
B.6	**For 2,500 Running Hours, after conducting 4,500 Running Hours**				
	B.6.1	**Centrifugal Filter**			
		Check thickness of oil residue layer. Clean. Fit new sleeve, at the latest, each time the engine oil is changed.			

	B.6.2	**Oil Indicator Filter**			
		Check and clean oil indicator filter.			
C. Repowering of all Genset of MRRV 44-meter			**20**	**Genset**	
	Genset Specification				
		Rating: Minimum of 118 KW			
		Rated Speed: 1800 rpm			
		Bore & Stroke: Minimum of 105 mm x 127 mm			
		Displacement, liters: Minimum of 4.4Li			
		Cycle: 4 cycle			
		Dry Mass, kg: Minimum of 1,537 kg			
		Aspiration: Turbocharged			
		Electrical System: 24V starter motor			
		Brake Specific Fuel Consumption: Minimum of 32 Li/Hr at 129 kWm			
		Generator: IP23 water protection			
	Extraction of Old Genset				
		Provision of access opening in way of extraction of old genset			
		Disconnection of all electrical attachments from panel to alternator			
		Disconnection of sea water cooling pipe lines exhaust pipes and fuel lines			
		Extraction of existing genset from base platform to outside engine room			
	Installation				
		Modification of new base platform as per the new above-mentioned genset requirements.			
		Rigging in and mounting genset onboard vessel.			
		Pull-out and replace with new mounting rubber damper.			
		Closing of in-way opening			
		Install new exhaust cladding			
		Install new Monitoring and Controls (Engine Display)			
		Termination of wires from genset to vessel panel board			
		Synchronization			
		Testing and commissioning			
D. Preventive Maintenance Inspection (PMI) on Deck Machinery, Engine Room Machinery, Navigational and Communication Equipment, Airconditioning Plant and Accessories Per Vessel.					
D.1 BRP TUBBATAHA (MRRV-4401)					
	D.1.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary;			

		b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator; and h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.1.2	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight			

		Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint; Repaint rubber tube Philippine Coast Guard marks; Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			
	D.1.3	**ECHO SOUNDER**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition of ECHO SOUNDER			
	D.1.4	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.1.5	**AIR CONDITIONING UNIT**	**1 lot**		
		Tag, disconnect electrical wirings and all interferences in way of servicing; Pull-out and replace number 3 compressor; Pull-out and replace replacement of flow heat exchanger; Check test the condition of air conditioning system Replace defective copper tubing and insulations with polyethylene tape; Inspect/repair/replace valves and piping. Clean filters, evaporator/chiller tubes; Conduct vacuum/flushing with nitrogen and repair all leakages of centralized air conditioning unit and charge with correct amount of refrigerant gas; Check the contacts of motor contactors and control devices. Check the adjustment and			

		operation of each control devices. Correct noted deficiencies; Secure tagging and all interferences and restore to operational condition; and Conduct operational test for satisfactory completion of work. No. 1 AIR CONDITIONING UNIT (Nav/Bridge Deck) No. 2 AIR CONDITIONING UNIT (Upper Deck) No. 3-1 AIR CONDITIONING UNIT (2nd Deck) No. 3-2 AIR CONDITIONING UNIT (Crew's Mess) No. 4 AIR CONDITIONING UNIT (Upper Deck) 1 x Heat Pump Chilling Unit 1 x Sea Water Pump 1 x Circulation Pump			
	D.1.6	**RECONDITIONING OF DECK CRANE**	**1 lot**		
		Servicing/Overhauling of Deck Crane-replacement of worn out parts and reconditioning of reusable parts including hydraulic cylinders, hydraulic control valve, powerpack and accessories such as cable wires, battery of over-winding alarm.			
	D.1.7	**LIFERAFT**	**1 lot**		
		Pull-out and Renew Port and Starboard life raft by qualified technician.			
	D.1.8	**SANITARY PUMP #1 AND #2**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
D.2 BRP MALBRIGO (MRRV-4402)					
	D.2.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and			

		reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.2.2	**FATHOMETER/ECHO SOUNDER**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of FATHOMETER/ECHO SOUNDER			
	D.2.2	**SEARCH LIGHTS**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.2.3	**Emergency Position Indicating Radio Beacon (EPIRB) /SEARCH AND RESCUE TRANSPONDER (SART)**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition			
	D.2.4	**PORT & STBD SANITARY PUMP**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
	D.2.5	**PORTABLE FIRE PUMP (P250 2STROKE)**	**1 lot**		
		Check, Repair/Replace of unit and its components as required to support the good operational condition of PORTABLE FIRE PUMP (P250 2STROKE)			
	D.2.6	**RECONDITIONING OF DECK CRANE**	**1 lot**		
		Servicing/Overhauling of Deck Crane-replacement of worn out parts and reconditioning of reusable parts including hydraulic cylinders, hydraulic control valve, powerpack and			

		accessories such as cable wires, battery of over-winding alarm.			
	D.2.7	**CAPSTAN**	**1 lot**		
		Remove interferences and conduct servicing on hydraulic system of CAPSTAN aboard ship. Service and repair directional valves (hoisting mechanism) and control mechanism of CAPSTAN. Reinstall interferences and refill the system with hydraulic fluid. Conduct load test/operational test by lifting ensuring no oil leakage noted on gear boxes, directional valves, hydraulic cylinders and control system during operations			
	D.2.8	**HATCH COVER**	**1 lot**		
		Conduct Water Tightness and Gas Tightness Test in Water Tight, Gas Tight and Weather Tight Doors and Hatches Replace Insulation, Water Tight and/ or Gas Tight Packing in Water Tight, Gas Tight and Weather Tight Doors, and Hatches if necessary; Replace Worn-Out Clip Wedges and fabricate new clip wedges; Recondition or replace worn out clevis pins, bolts and nuts of ventilation and goose necks covers;			
	D.2.9	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow;			

		Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint, Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			
	D.2.10	**CHAIN STOPPER CABLE & SUPPORT**	**1 lot**		
		Crop-out and Replate corroded Anchor Chain Guide on port and starboard, welding and painting of new Anchor Chain Guide Materials Supply by Shipyard for the Anchor Chain Guide on port and starboard Metal Sheet (anchor chain guide) - 6mm thickness x 100 cm length x 100 cm width Hard Plastic (anchor chain guide) - 5mm thickness x 100 cm length x 100 cm width Welding Rod for Aluminum Welding Rod for Iron			
	D.2.11	**LIFE RAFT**	**1 lot**		
		Pull-out and Renew Port and Starboard life raft by qualified technician.			
	D.2.12	**CLEAR VIEW SCREEN**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of CLEAR VIEW SCREEN			
D.3 BRP MALAPASCUA (MRRV-4403)					
	D.3.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary;			

		c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.3.2	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.3.3	**RECONDITIONING OF DECK CRANE**	**1 lot**		
		Servicing/Overhauling of Deck Crane-replacement of worn out parts and reconditioning of reusable parts including hydraulic cylinders, hydraulic control valve, powerpack and accessories such as cable wires, battery of over-winding alarm.			
	D.3.4	**CAPSTAN**	**1 lot**		
		Remove interferences and conduct servicing on hydraulic system of CAPSTAN Service and repair directional valves (hoisting mechanism) and control mechanism of CAPSTAN. Reinstall interferences and refill the system with hydraulic fluid.			

		Conduct load test/operational test by lifting ensuring no oil leakage noted on gear boxes, directional valves, hydraulic cylinders and control system during operations			
	D.3.5	**HATCH COVER**	**1 lot**		
		Conduct Water Tightness and Gas Tightness Test in Water Tight, Gas Tight and Weather Tight Doors and Hatches Replace Insulation, Water Tight and/ or Gas Tight Packing in Water Tight, Gas Tight and Weather Tight Doors, and Hatches if necessary; Replace Worn-Out Clip Wedges and fabricate new clip wedges; Recondition or replace worn out clevis pins, bolts and nuts of ventilation and goose necks covers;			
	D.3.6	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint, Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			
	D.3.7	**AIR CONDITIONING UNIT**	**1 lot**		

		Tag, disconnect electrical wirings and all interferences in way of servicing; Check test the condition of air conditioning system Replace defective copper tubing and insulations with polyethylene tape; Inspect/repair/replace valves and piping. Clean filters, evaporator/chiller tubes; Conduct vacuum/flushing with nitrogen and repair all leakages of centralized air conditioning unit and charge with correct amount of refrigerant gas; Check the contacts of motor contactors and control devices. Check the adjustment and operation of each control devices. Correct noted deficiencies; Secure tagging and all interferences and restore to operational condition; and Conduct operational test for satisfactory completion of work. No. 1 AIR CONDITIONING UNIT (Nav/Bridge Deck) No. 2 AIR CONDITIONING UNIT (Upper Deck) No. 3-1 AIR CONDITIONING UNIT (2nd Deck) No. 3-2 AIR CONDITIONING UNIT (Crew's Mess) No. 4 AIR CONDITIONING UNIT (Upper Deck) 1 x Heat Pump Chilling Unit 1 x Sea Water Pump 1 x Circulation Pump			
	D.3.8	**ANCHOR CHAIN GUIDE ON PORT AND STARBOARD**	**1 lot**		
		Crop-out and Replate corroded Anchor Chain Guide on port and starboard, welding and painting of new Anchor Chain Guide Materials Supply by Shipyard for the Anchor Chain Guide on port and starboard Metal Sheet (anchor chain guide) - 6mm thickness x 100 cm length x 100 cm width Hard Plastic (anchor chain guide) - 5mm thickness x 100 cm length x 100 cm width Welding Rod for Aluminum			

		Welding Rod for Iron			
	D.3.9	**LIFE RAFT**	**1 lot**		
		Pull-out and Renew Port and Starboard life raft by qualified technician			
	D.3.10	**WATER CANNON**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its fittings as required to support the good operational condition of WATER CANNON			
	D.3.12	**SHIPS HORN**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of SHIPS HORN			
	D.3.13	**Emergency Position Indicating Radio Beacon (EPIRB)**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition			
	D.3.14	**CLEAR VIEW SCEERN**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of CLEAR VIEW SCEERN			
	D.3.15	**SANITARY PUMP**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
D.4 BRP CAPONES (MRRV-4404)					
	D.4.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and			

		g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.4.2	**SEARCH LIGHTS**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.4.3	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint, Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses			

		Conduct sea trial operational test			
	D.4.4	**PORTABLE FIRE PUMP (P250 2STROKE)**	**1 lot**		
		Check, Repair/Replace of unit and its components as required to support the good operational condition of PORTABLE FIRE PUMP (P250 2STROKE)			
	D.4.5	**SANITARY PUMP #1 AND #2**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
D.5 BRP SULUAN (MRRV-4406)					
	D.5.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.5.2	**THROTTLE CONTROL**	**1 lot**		

		Check, Repair/Replace of DEFECTIVE TFT MONITOR as required to support the good operational condition of THROTTLE CONTROL			
	D.5.3	**PORTABLE FIRE PUMP (P250 2STROKE)**	**1 lot**		
		Check, Repair/Replace of unit and its components as required to support the good operational condition of PORTABLE FIRE PUMP (P250 2STROKE)			
	D.5.4	**INFLATABLE LIFERAFT**	**1 lot**		
		Pull-out and Renew Port and Starboard life raft by qualified technician,			
	D.5.5	**EMERGENCY POSITION INDICATING RADIO BEACON (EPIRB)**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition			
	D.5.6	**NAVIGATIONAL LIGHTS**	**1 lot**		
		Check, Recalibrate, Repair/Replace of unit and its components as required to support the good operational condition of NAVIGATIONAL LIGHTS			
D.6 BRP SINDANGAN (MRRV-4407)					
	D.6.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540)			

		- Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.6.1	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.6.2	**SHIPS HORN**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of SHIPS HORN			
	D.6.3	**FIRE FIGHTING ENGINE**	**1 lot**		
		Check, Pull-out, Repair/Replace of pipings and its fittings as required to support the good operational condition of FIRE FIGHTING ENGINE			
	D.6.4	**NAVIGATIONAL LIGHTS/BULBS**	**1 lot**		
		Check, Recalibrate, Repair/Replace of unit and its components as required to support the good operational condition of NAVIGATIONAL LIGHTS			
D.7 BRP CAPE SAN AGUSTIN (MRRV-4408)					
	D.7.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit;			

		f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.7.2	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.7.3	**SANITARY PUMP #1 AND #2**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
	D.7.4	**AIR CONDITIONING UNIT**	**1 lot**		
		Tag, disconnect electrical wirings and all interferences in way of servicing; Check test the condition of air conditioning system Replace defective copper tubing and insulations with polyethylene tape; Inspect/repair/replace valves and piping. Clean filters, evaporator/chiller tubes; Conduct vacuum/flushing with nitrogen and repair all leakages of centralized air conditioning unit and charge with correct amount of refrigerant gas; Check the contacts of motor contactors and control devices. Check the adjustment and operation of each control devices. Correct noted deficiencies; Secure tagging and all interferences and restore to operational condition; and Conduct operational test for satisfactory completion of work.			

		No. 1 AIR CONDITIONING UNIT (Nav/Bridge Deck) No. 2 AIR CONDITIONING UNIT (Upper Deck) No. 3-1 AIR CONDITIONING UNIT (2nd Deck) No. 3-2 AIR CONDITIONING UNIT (Crew's Mess) No. 4 AIR CONDITIONING UNIT (Upper Deck) 1 x Heat Pump Chilling Unit 1 x Sea Water Pump 1 x Circulation Pump			
	D.7.5	**RECONDITIONING OF DECK CRANE**	**1 lot**		
		Servicing/Overhauling of Deck Crane-replacement of worn out parts and reconditioning of reusable parts including hydraulic cylinders, hydraulic control valve, powerpack and accessories such as cable wires, battery of over-winding alarm.			
	D.7.6	**PORTABLE FIRE PUMP (P250 2STROKE)**	**1 lot**		
		Check, Repair/Replace of unit and its components as required to support the good operational condition of PORTABLE FIRE PUMP (P250 2STROKE)			
	D.7.7	**EMERGENCY POSITION INDICATING RADIO BEACON (EPIRB) and SEARCH AND RESCUE TRANSPONDER (SART)**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition			
	D.7.8	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint,			

		Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			
	D.7.9	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
D.8 BRP CABRA (MRRV-4409)					
	D.8.1	**RECONDITIONING OF DECK CRANE**	**1 lot**		
		Servicing/Overhauling of Deck Crane-replacement of worn out parts and reconditioning of reusable parts including hydraulic cylinders, hydraulic control valve, powerpack and accessories such as cable wires, battery of over-winding alarm.			
	D.8.2	**CAPSTAN**	**1 lot**		
		Remove interferences and conduct servicing on hydraulic system of CAPSTAN aboard ship. Service and repair directional valves (hoisting mechanism) and control mechanism of CAPSTAN. Reinstall interferences and refill the system with hydraulic fluid. Conduct load test/operational test by lifting ensuring no oil leakage noted on gear boxes, directional valves, hydraulic cylinders and control system during operations			
	D.8.3	**HATCH COVER**	**1 lot**		
		Conduct Water Tightness and Gas Tightness Test in Water Tight, Gas Tight and Weather Tight Doors and Hatches Replace Insulation, Water Tight and/ or Gas Tight Packing in Water Tight, Gas Tight and Weather Tight Doors, and Hatches if necessary; Replace Worn-Out Clip Wedges and fabricate new clip wedges;			

		Recondition or replace worn out clevis pins, bolts and nuts of ventilation and goose necks covers;			
	D.8.4	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint, Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			
	D.8.5	**LIFERAFT**	**1 lot**		
		Pull-out and Renew Port and Starboard life raft by qualified technician.			
	D.8.6	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.8.7	**WATER CANNON**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its fittings as required to support the good operational condition of WATER CANNON			
	D.8.8	**SHIPS HORN**	**1 lot**		

		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of SHIPS HORN			
	D.8.9	**EMERGENCY POSITION INDICATING RADIO BEACON (EPIRB)**	**1 lot**		
		Check, Update, Repair/Replace as required to support the good operational condition			
	D.8.10	**SANITARY PUMP**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
	D.8.11	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.8.12	**FIRE LINE**	**1 lot1 lot**		
		Check, Repair/Repipe and its fittings as required to support the good operational condition of FIRE LINE			

	D.8.13	**FO TRANSFER PUMP CIRCUIT BOARD**	**1 lot**		
		Check, Repair/Replace of its components as required to support the good operational condition of FO TRANSFER PUMP CIRCUIT BOARD			
	D.8.14	**CLEAR VIEW SCEERN**	**1 lot**		
		Check, Servicing, Repair/Replace of unit and its components as required to support the good operational condition of CLEAR VIEW SCEERN			
D.9 BRP BAGACAY (MRRV-4410)					
	D.9.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.9.2	**SANITARY PUMP**	**1 lot**		
		Check, Repair/Replace as required to support the good operational condition of SANITARY PUMP #1 AND #2			
D.10 BRP CAPE ENGANO (MRRV-4411)					

	D.10.1	**REVERSE OSMOSIS DESALINATOR**	**1 lot**		
		a. Overhaul Desalination Plant Sea Water Supply Pump - change oil, replace bearings, shaft seal, packing, O-ring, suction/ discharge valve assembly and impeller, if necessary; b. Overhaul Desalination Plant Sea Water Supply Pump - replace bearings and oil seal, check insulation and reinsulate with electrical insulating varnish, if necessary; c. Overhaul Desalination Plant High Pressure Pump - replace bearings, shaft seal, packing, O-ring and piston, if necessary; d. Overhaul Desalination Plant High Pressure Pump - replace bearings, check insulation and reinsulate with electrical insulating varnish, if necessary; e. Inspect and clean Desalination Plant Pretreatment Unit; f. Replace Filter Element, O-rings and Brine Seal of Reverse Osmosis Module Assembly; and g. Inspect, clean and calibrate sensors and wiring connections of Salinity Indicator. h. Supply 4 pcs Seawater Reverse Osmosis Membrane (SW-2540) - Flow Rate: 700 GPD (2.6 M3/D) - Stabilized Salt Rejection: 99.40 % - Applied Pressure: 800 psig (55 bar) I. Supply 10 bottles of Sodium Hydrogen - 1st Grade, 58.50% (as SO2) 500 grams.			
	D.10.2	**SEARCH LIGHT**	**1 lot**		
		Check, Repair/Replace of unit and its components such as, but not limited to electronic ballast, ICBT, search light starter, xenon lamp, transistor as required to support the good operational condition of XENON SEARCH LIGHT			
	D.10.3	**PORTABLE FIRE PUMP (P250 2STROKE)**	**1 lot**		
		Check, Repair/Replace of unit and its components as required to support the good operational condition of PORTABLE FIRE PUMP (P250 2STROKE)			
	D.10.4	**WORKING BOAT [5.4m length Rigid-Hulled Inflatable Boat (RHIB) type]**	**1 lot**		
		General Overhauling of Outboard Motor - replacement of worn out parts and reconditioning			

		of reusable parts on cylinder head assembly, piston and piston rod assembly, crankshaft assembly, camshaft assembly, cylinder block/ liner assembly, exhaust manifold, electrical and ignition system (magneto and sparkplug), electronic system (sensors), fuel oil supply pump, carburetor, cooling sea water pump assembly, electric starting motor, output shaft and propeller shaft assembly, zinc anodes replacement of fuel filters, air filters, change gear oil, renew 2T oil and replacement of worn out parts; Check, Repair/Replace as required to support the good operational condition of rotating searchlight; Build up fiber glass on dilapidated parts on hull, boat deck, transom, gunwale, fender and bow; Repaint hull with antifouling paint; Repaint boat deck, transom, gunwale, bow with anti-skid paint, Repaint rubber tube Philippine Coast Guard marks, Inspect/ clean wiring connections and hoses; and Recondition steering pump and replace oil seal, bearing, O-ring packing, and hydraulic hoses Conduct sea trial operational test			

REQUIREMENTS, IF AWARDED THE CONTRACT:

A. Delivery and Inspection Site:

1. **Project Completion Period:** Supply and Delivery of Services and Parts for One (1) Year Integrated Logistics Support (ILS) Intended for Ten (10) 44-Meter Multi-Role Response Vessels (MRRVs) – Three Hundred Sixty-Five (365) calendar days from receipt of Notice to Proceed.

2. **Project Delivery Site:** The winning bidder's owned Dry-Docking facility.

B. During Post Qualification:

1. The winning **CONTRACTOR** having the Lowest or Single Calculated Responsive Bid (L/SCRB) shall present the original submitted documents for verification and validation in accordance with the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184.

C. Inspection and Acceptance:

1. The **CONTRACTOR** shall conduct sea trials for satisfactory result prior acceptance.

2. The **CONTRACTOR** must be capable of providing tug services to tow the vessel during sea trials conducted by PCG TIAC and subject vessel.

3. Upon satisfactory completion of works and testing, a Certificate of Acceptance on all completed works shall be properly signed by members of the PCG TIAC.

D. Warranty Period/ Coverage of Warranty:

Warranty:

1. Three (3) months or Ninety (90) days warranty validity period shall be reckoned from the date of issuance of the certificate of acceptance of particular requirements within the covered period for the *replaced parts*. (e.g. 1st Quotation. replaced/repaired parts but found later defective will be still covered by warranty. For the Fourth (4th) or last Quotation replaced/ repaired parts will be covered for ninety (90) days after the ILS period).

2. One (1) year warranty validity period shall be reckoned from the date of issuance of the certificate of acceptance for the replaced **equipment**. However, if the same defects occurred for **two (2) consecutive times** within the warranty period **on a particular equipment**, the warranty period shall be automatically extended for a period of six (6) months after the expiration of the original warranty period. The said item should be repaired and/or replaced within 15 days from the receipt notice.

For Newly Installed Generator Sets.

3. Two (2) years warranty after issuance of the Certificate of Final Acceptance.

4. The two (2) years warranty period shall be reckoned from the date of issuance of the certificate of final acceptance. However, if the same defects occurred for two (2) consecutive times within the warranty period on a particular part/item and its attendant part, the warranty period shall be automatically extended for a period of six (6) months after the expiration of the original warranty period. The said item should be repaired and/or replaced within fifteen (15) days from the receipt notice.

5. Conduct Preventive Maintenance Schedule (PMS) of inclusive 1,500 running hours.

6. At least ten (10) years guarantee of engine spare parts and service availability.

7. The following factory installed parts and equipment Warranty Period is two (2) years from the date of delivery against factory defects. Items are covered by the warranty as outlined below:

    - Gensets
    - Newly Installed associate piping
    - Newly Installed associate electrical wirings and alarms
    - Newly Installed Monitoring and Controls (Genset Display)

E. Payment:

1. Payment should be made every Quarter after the receipt the Notice to Proceed after completion,, inspection and acceptance of the services and replaced spare parts undertaken every quarter for the contract of the Supply and Delivery of Services and Parts for One (1) Year Integrated Logistics Support (ILS) intended for Ten (10) 44-Meter Multi-Role Response Vessels (MRRVs)

ADDITIONAL DOCUMENTARY REQUIREMENTS TO BE SUBMITTED DURING THE SUBMISSION AND OPENING OF BIDS

As evidence of the compliance of the bidders to the legal, technical and financial requirements of the project and proof of their compliance to the statements of compliance to all parameters of the technical specifications, the bidders shall submit the following documentary requirements as part of the First (1st) Bid Envelope (Eligibility Documents and Technical Component) on or before the deadline for the Submission and Receipt of Bids:

1. Certificate of "No Late Delivery" or "No Slippage" issued by the Project Management Office (PMO) of the Procuring Entity (PE) or from other government agency would refer to, including but not limited to, Philippine Navy (PN) and Bureau of Fisheries and Aquatic Resources (BFAR) with the same nature of project
   Further, completed contract similar to the Project includes the following:

    - Ships Maintenance and Repair;
    - Dry-docking and Afloat Repair; and
    - Ship's Repowering

2. Comprehensive Gantt chart clearly specifying the scheduled maintenance tasks/ scope of works.

3. ISO 9001:2015 Certificates applicable to Ship Building and Ship Repair and issued by any member of the International Association of Classification Society (IACS). The IACS member who issued the ISO 9001:2015 Certificate should be active for at least three (3) years prior to the bid opening.

4. Valid Marina Licensed at least Class B shipbuilding and ship repair.

5. Valid Ship Repairs Liability Insurance Certificate.

6. List of after sales service centers strategically located in all parts of the country (1 service center located each in Luzon, Visayas, and Mindanao).

7. Certificate of Dealership/Distributorship solely issued by the Genset Manufacturer stating that the bidder is an authorized dealer/distributor of MARINE DIESEL GENSET, parts and its service center are strategically located in the Philippines. The dealer/distributor of MARINE DIESEL GENSET must be based in the Philippines for more than ten (10) years. 8. Certificate of Distributorship from Original Equipment Manufacturer (OEM) for the Marine Engine and Genset. 9. Valid and updated Mayor's Permit or Business Permit since the repowering of the genset should be conducted in the winning supplier or service provider's own drydocking facility. 10. List of manpower/workers for the project. 11. The prospective bidder shall submit Brochures, pamphlets, pictures, operations and maintenance manual/s and/or other product literature for generator set. 12. The certificate of origin issued by the manufacturer of marine genset shall be submitted upon implementation of the project. 13. List of manufacturers of the boat raw materials, machinery components, navigational equipment and other component materials which shall be in any country or continent of the listed below: a. Europe b. Australia c. Japan d. United States of America e. Singapore f. France g. United Kingdom h. Canada	
G. Training Personnel training for the use of equipment for a duration of up to five (5) days with at least ten (10) students.	
TERMS AND CONDITIONS	
1	The **CONTRACTOR** shall present status of Gantt chart scheduled maintenance tasks/ scope of works specified in the for the span of Three Hundred Sixty-Five (365) calendar days for each MRRV 44 meter with corresponding percentage to the CPCG (ATTN:CG-10) and CGFLEET (ATTN: F10/MRG) which will be conducted every week on the preferred date of their authorized representatives by way of a PowerPoint presentation. Electronic and hard copies of the presentation shall also be provided.
2	The **CONTRACTOR** shall provide repair logs/reports and plans necessary after completion of scheduled maintenance tasks/ scope of works specified in the manufacturers' Preventive Maintenance to the CPCG (ATTN:CG-10) and CGFLEET (ATTN: F10/MRG).

3	The **CONTRACTOR** shall present a weekly status of repair to the CPCG (ATTN:CG-10), CGFLEET (ATTN: F10/MRG) and designated authorized Project Officer. Five (5) electronic and printed copies of said report shall also be provided.	
4	In case the implementation of works covered under this contract could not proceed, unless growth repairs and/or necessary works have been conducted, the supplier should request from the Head of the Procuring Entity for the extension of the period of delivery.	
5	In the event the request of the supplier for extension of delivery period is granted, or the contract was suspended due to force majeure, the Procuring Entity shall amend the contract reflecting the changes arising from the extension or suspension of work including additional charges, if necessary, in accordance with Annex D of the 2016 Revised IRR of RA 9184.	
6	Once the **CONTRACTOR** has started any of the contracted work, such as docking of the vessel, it is the obligation of the **CONTRACTOR** to protect the vessel from any damage attached until the same has been delivered and accepted by the Procuring Entity.	
7	The **CONTRACTOR** should dry-dock the vessel in its **owned dry-docking facility** capable of protecting the same from natural calamities which necessitates the **CONTRACTOR** to relaunch or undock the vessel, **CONTRACTOR** SHOULD NOT charge or bill the Procuring Entity for any amount of whatever nature arising from relaunching and re-docking thereof.	
8	The **CONTRACTOR** must provide adequate firefighting personnel with the necessary firefighting equipment for the entire duration of the repair.	
9	The **CONTRACTOR** shall be held liable for any damages incurred on the ship and/or personnel due to the **CONTRACTOR** 's fault or negligence for the entire duration of the contract.	
10	The winning **CONTRACTOR**'s facility shall be free of health hazard materials substances.	
11	If there are specifications that require the opening of machinery, piping, fittings, and other equipment, it is understood that the **CONTRACTOR** shall close such machinery, piping, fittings, and other equipment, back to their original condition.	
12	Should the **CONTRACTOR** require the removal or shifting of any part of the vessel's fittings, stores, fuel, water, outfit, equipment, or piping for carrying out the work specified or implied, it shall remove the same at its own cost, and such removals shall be subsequently reinstalled in a satisfactory manner without cost	

	to the Procuring Entity. The **CONTRACTOR** shall be held responsible for the protection of existing and newly installed equipment and materials. Any loss or damage due to the **CONTRACTOR**'s fault shall be renewed/restored/repaired at the **CONTRACTOR**'s expense.	
13	All interferences necessary to accomplish the work activities shall be removed and restored to their original condition without cost to the Procuring Entity.	
14	All metal scraps, ferrous or non-ferrous, fittings, machineries and equipment parts dismantled and removed from the vessels and replaced with new ones by the **CONTRACTOR** resulting from the actual repair of the vessel conducted by the **CONTRACTOR** shall remain the property of the PCG and shall, after completion of the work, be accounted for IAW proper PCG accounting procedures.	
15	The **CONTRACTOR** shall submit the After-Repair Completion Report to the procuring entity [CPCG (Attention: DCCGS for Ships and Aircraft Engineering, CG-10)] prior payment of the services rendered. Copy furnished CGFLEET (ATTN: F10/MRG)	
16	The **CONTRACTOR** shall notify the CGFLEET/ CG-10 at least five days (5) days before the conduct of any shipboard test and seven (7) days before conducting sea trials.	
17	The **CONTRACTOR** shall not disclose/divulge any information and communication, whether oral or written, to any other person or entity, without the express written consent of the PCG. It includes non-disclosure of, but not limited, to the following: a.) Bidding Document b) Technical Specification of the Project c) Annual Procurement Plan and related Project Procurement Management Plan d) Proposals. If the **CONTRACTOR** will disclose/divulge any information and communication, whether oral or written, to any other person or entity, without the express written consent of the PCG it is understood that it will be grounds for the imposition of any applicable administrative and criminal sanctions.	
18	As part of the contractual obligations, the CONTRACTOR shall be held liable for any damages incurred on the vessel during the conduct of towing services and repair activities. Further, this liability extends until the completion of the project and final acceptance of TIAC.	

19	The Vessel that shall be dry-docked shall be identified and approved by PCG as favorably recommended by CGFEET.	

x x x

For guidance and information of all concerned.

RADM HOSTILLO ARTURO E CORNELIO PCG
Chairperson, NHQ-PCG Bids and Awards Committee

Received by the bidders:

Name: _____
Date: _____