

SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 32 x IT SPECIFICATIONS

IT NO : 32/01/2024-25

IT SPECIFICATIONS- REPAIR/ REPLACEMENT OF LOS CARD – PMSS HINGOL

S No	Description	
1.	Parent System	Main Engine No 3
2.	Engine Serial Number	527112713
3.	Sub Equipment	Local Operating Panel
4.	Assembly Component	Local Operating System Card
5.	Make	MTU
6.	Model	16V4000M73L
7.	Quantity/ Item Details	01 x Local Operating System Card
8.	Justification	Main Engine No 3 operational parameters not available at local position, defect to be rectified for satisfactory operation
9.	Work Required	Repair/ replacement of the above mentioned item from OEM/ Local Engineering House
10.	Scope of Work	a. Diagnosis and troubleshooting of faulty components on LOS card. b. Replacement of faulty components of on LOS card. c. Installation OEM Certified updated software d. Trials of LOP on Main Engine No 3 e. In case of irreparable components, replacement of LOP, with OEM certified LOP f. Integration of LOS card with existing system including installation of software
11.	Eligibilities	Reputable local contractor having working experience of MTU Control systems. OEM authorized reps will be given preference
12.	EDC	07 days
13.	Warranty	OEM Standard 01 Year Warranty
14.	Acceptance Criteria	a. OEM certified item. All technical documents will be provided with the item. b. Satisfactory operation of Main Engine No 3 control system after installation of the item
15.	Any Other Information	Nil

IT NO : 32/02/2024-25**7. SPECIFICATIONS/ SCOPE OF WORK FOR REPAIR OF PORT FIN STABILIZER
PMSS BASOL**

S No		Description
1.	Parent Equipment	Port Fin Stabilizer
2.	Sub equipment	Hydraulic Ram
3.	Assembly Component	Gaskets, O-rings, Seals
4.	Make	Harbin Engineering University
5.	Model	NJ4-1.8S-1
6.	Qty	01
7.	Justification	Port Fin Stabilizer defective
8.	Work Required/ Defect	Defect rectification of Port Fin Stabilizer is required.
9.	Detailed scope of work	<ul style="list-style-type: none"> a. Removal/ Re-installation of 2 x hydraulic rams b. Replacement of all worn out/ degraded components. c. Replacement of all gaskets, O-rings/ seals. d. Inspection of 2 x Rams foundation bearing. e. Inspection of 2 x Rams foundation plates bearing size repair. f. Pressure Testing of all hydraulic cylinders at required pressure. g. Any other unseen/ growth work will be responsibility of contractor. h. Any damage occurred in fittings during trials will be responsibility of the contractor.
10.	Technical Specs	As per technical manual.
11.	Eligibilities Criteria	Reputable firm having working experience of NJ4-1.8S-1 Fin stabilizer
12.	EDC	07 Days
13.	Warranty	01 Year
14.	Acceptance Criteria	<ul style="list-style-type: none"> a. Must have relevant experience in caring out repairs/ servicing of Fin stabilizers. b. Contractor must visit for understanding the defect. Contractor must get visit certificate duly signed by MEO of ship.
15.	Any other relevant Information	Firm must visit onboard to meet exact requirement of ship and in case of any query contractor must contact MEO BASOL.

IT NO : 32/03/2024-25**IT SPECIFICATION FOR REPAIR/ OVERHAULING OF AUXILIARY SEA WATER
PUMP NO 1 – PMSS BASOL**

S No.	Description	
1.	Parent Equipment	Auxiliary Seawater Cooling System
2.	Sub Equipment	Aux Sea water pump
3.	Assembly component	Aux Sea water pump No.1
4.	Make	Jiangsu Zhenhua Pump Industry Co. Ltd
5.	Model	CLH50-32-4.5 (Z)
6.	Qty	01
7.	Justification	Low discharge pressure & degraded pump body
8.	Work required/ Defect	Replacement of degraded parts.
9.	Detailed scope of Work	a. Fabrication of degraded pump body. b. Replacement of old mechanical seal with high quality mechanical seal. c. Replacement of degraded seal rings with copper/ phosphorus bronze material seal rings. d. Replacement of old impeller with new impeller. e. Replacement of degraded pump shaft with Stainless Steel (316L) material pump shaft. f. Precise alignment of pump with motor. g. Corroded/ damaged bolts and nuts to be replaced with new Stainless steel (316L) bolts and nuts.
10.	Technical Specs (if any)	As per OEM Manual/ Specs.
11.	Eligibilities	Reputable local contractor having working experience of repair/ overhauling of sea water pumps onboard 6HT MPVs.
12.	EDC	15 days
13.	Warranty	1 year warranty for satisfactory operation of seawater pump without following defects: a. Seawater leakage from pump, mechanical seal and discharge valve. b. Increased vibration/ noise/ hard to rotate. c. Decreased discharge pressure.
14.	Acceptance Criteria	a. Satisfactory discharge pressure of sea water pump. b. Satisfactory and smooth operation without high vibration and noise c. Satisfactory operation without sea water leakage.
15.	Any other Information	Dismantling/ assembling/ installation and in way removal work is responsibility of contractor.

IT NO : 32/04/2024-25**IT SPECIFICATIONS - REPAIR OF 2 X MARINE REFRIGERATOR OF SHIP'S GALLEY**
PMSS KASHMIR

1.	Parent Equipment	Refrigeration System										
2.	Sub Equipment	Fixed Marin Refrigerators										
3.	Assembly Component	Compressors, Condensers and PLC										
4.	Make	AN Qing Sanwei Electrical Appliance CO., Ltd										
5.	Model	BC-500										
6.	Quantity	02										
7.	Justification	FWT										
8.	Work Required/ Defect	Repair of 2 x Marine Refrigerator of Ship's Galley										
9.	Detailed scope of work	Following work to be undertaken: a. Overhauling co compressors b. Overhauling of Condensers c. STW of PLC/ Control systems d. Spare to be provided by firm e. Any growth work will be beard by firm										
10.	Technical specs	<table border="1"><tr><td>Power</td><td>0.24 kW</td></tr><tr><td>Capacity</td><td>500 L</td></tr><tr><td>Dimension</td><td>600×750×1960+100</td></tr><tr><td>Weight</td><td>140 Kg</td></tr><tr><td>Temperature Range</td><td>0-5 °C</td></tr></table>	Power	0.24 kW	Capacity	500 L	Dimension	600×750×1960+100	Weight	140 Kg	Temperature Range	0-5 °C
Power	0.24 kW											
Capacity	500 L											
Dimension	600×750×1960+100											
Weight	140 Kg											
Temperature Range	0-5 °C											
11.	Eligibility Criteria	(i). Have experience to work for ships (preferably PMSA ships) (ii). Company must be certified with HQ PMSA (iii). Company must be Income and Sales tax registered (iv). Company must have good experience of repair/ maintenance of pumps										
12.	EDC/ EDD	15 Days after award of contract										
13.	Warranty	1 Year										
14.	Acceptance Criteria	After successful trials of both systems on designed temperatures										
15.	Any Other Relevant Information	SS contact MEO (0321-3000503)										

IT SPECIFICATION FOR REQUIREMENT 03 X CEILING MOUNT SPEAKER - PMSS NUSRAT

S No	IT Specification	
1.	Parent Equipment/ System	Ship Main Broadcast System
2.	Sub Equipment/ system	Ceiling Mount Speaker
3.	Assembly/Equipment	Ceiling Mount Speaker
4.	Make	TOA
5.	Model	PC-648R
6.	Qty	03
7.	Justification	03 x Ceiling Mount Speakers declared BER and surveyed to PMSA warehouse. Same quantity required to meet ops requirement
8.	Work Required	Sat Operation ship main broadcast system after installation of new speakers
9.	Detailed Scope of Works	N/A
10.	Technical Spec	TOA PC-648R: Rated Input Power: 6W (100W)
11.	Eligibilities	a. As per TSR b. The firm should be having good experience in repair/maintenance of such system/ equipment. c. The firm should be NTN /GST registered
12.	EDC	07 x working days after issuance of work order
13.	Warranty	01 Year
14.	Acceptance criteria	Satisfactory Harbor/Sea trials after completion of work
15.	Any other Information	Nil

IT NO : 32/06/2024-25

IT SPECIFICATION OF LED SAMSUNG 55" - PMSS REHMAT

S No	IT SPECIFICATIONS	
1.	Parent Equipment	LED TV
2.	Sub equipment	-
3.	Assembly component	-
4.	Make	Samsung / Equivalent
5.	Model	UA55AU9000USMZ 55" / Equivalent
6.	Quantity	01
7.	Justification i.e PMS/ Failure/FWT etc	LED TV is critically required for ships briefings and usage during deployments and in Harbour. /Electrical Failure
8.	Work Required/ Defect	Repair/ replacement of Main PCB and Front Panel of LED TV
9.	Scope of work	Following is scope of work: a. Repairs/ replacement of Main PCB and Front panel of LED TV. b. Satisfactory operation of LED TV.
10.	Technical Specs (If any)	Rated voltage: 100V -240VAC 50/60HZ 165W Size: 55 inch Approved by PTA Android LED
11.	Eligibility Criteria	Following is eligibility criteria: a. The firm should visit onboard to understand defect. b. Firm not undertaking the visit onboard ship to see extent of work will not technically qualify. c. Firm to provide original product not copy. d. The firm has sufficient experience of same kind of work. e. NTN/GST registered.
12.	EDC	02 x Weeks
13.	Warranty	02 x Year warranty after installation.
14.	Acceptance Criteria (If any)	Onboard system trials after installation
15.	Any other relevant information	NA

**IT SPECIFICATIONS FOR CONDUCT OF ANNUAL PMS ROUTINE OF FIN STABILIZERS -
PMSS KOLACHI**

S No	Description													
1.	Parent Equipment	Fin Stabilizers												
2.	Sub Equipment	Hydraulic Unit												
3.	Assembly Equipment	Filters												
4.	Make	SHANGHAI MARINE EQUIPMENT PESEARCH												
5.	Model	JQB 4 240												
6.	Required Quantity	<table border="1"><thead><tr><th>S.No</th><th>Part Number</th><th>Description</th><th>Quantity</th></tr></thead><tbody><tr><td>a.</td><td>DNF05-H-5A</td><td>Return Oil Filter</td><td>02</td></tr><tr><td>b.</td><td>PLF-E110x10</td><td>Servo Filter</td><td>04</td></tr></tbody></table>	S.No	Part Number	Description	Quantity	a.	DNF05-H-5A	Return Oil Filter	02	b.	PLF-E110x10	Servo Filter	04
S.No	Part Number	Description	Quantity											
a.	DNF05-H-5A	Return Oil Filter	02											
b.	PLF-E110x10	Servo Filter	04											
7.	Justification	Availability of above mentioned items against PMS routine 3-3632-0000												
8.	Detailed scope of work	Replacement of Return Oil filter and Servo Filter as per PMS routine 3-3632-0000												
9.	Technical specifications	As per OEM specifications/Manual												
10.	Eligibilities	Reputable local contractor having working experience with PMSA												
11.	EDD/ EDC	02 months												
12.	Warranty	One Year												
13.	Acceptance Criteria (if any)	<ul style="list-style-type: none">a. OEM Certified itemb. Technical specifications should be mentionedc. Upon scrutiny of items and provided documents along with production certificate by OEM												

REPAIR OF WATER TIGHT DOORS AND HATCHES -PMSS KASHMIR

1.	System	Doors & Hatches
2.	Sub system	Doors & Hatches
3.	Assembly Component	Apron plate, Main body, Rubber, Locking Mechanism & Handle
4.	Make	CSSC Huangpu Wenchong Shipbuilding CO. LTD
5.	Model	N/A
6.	Quantity	30
7.	Justification	FWT
8.	Work Required/ Defect	Repair of Water tight doors & hatches
9.	Scope of Work	<p>Following work to be undertaken:</p> <ol style="list-style-type: none"> Replacement of rubbers in 27 x doors (Size 1 x ½ inch) Repair of 03 x hatches main body Replacement of locking mechanism of 03 x WT doors Replacement of 01 x doors of AHU no 01 as per sample Replacement of 06 x apron plate of WT doors of misc location Any other growth work Spares to be provided by firm.
10.	Technical Specs	As per original installation onboard
11.	Eligibility Criteria	<ol style="list-style-type: none"> Have experience to work onboard ships (preferably PMSA ships) Have experience to work on water jet propulsion Company must be certified with HQ PMSA Company must be Income and Sales tax registered
12.	EDC	15 days after confirmation of order
13.	Warranty	01 x Years
14.	Acceptance Criteria	Satisfactory chalk test of all WT door & hatches
15.	Any other relevant information	Firm must visit onboard before providing quotation to verify exact scope of work (Contact: 0321-3000503)

REPLACEMENT

IT SPECIFICATIONS - REPAIR OF AFT BILGE PUMP - PMSS KASHMIR

1.	Parent Equipment	Aft Bilge Pump	
2.	Sub Equipment	Body, Pump and Motor	
3.	Assembly Component	02 x brass impellers, seal ring, mechanical seal, motor & bearings, body	
4.	Make	Jiangsu Zhenhua Pump Industry	
5.	Model	100CLZ-13A	
6.	Quantity	01	
7.	Justification	FWT	
8.	Work Required/ Defect	Complete Overhauling of Pump alongwith winding/ replacement of motor and fabrication of new pump body	
9.	Detailed scope of work	As per S No 8	
10.	Technical specs	Working pressure	0.25 Mpa
		Capacity	70 m ³ /h
		Outline size	743×540×1110 mm
		L×B×H	
	Weight	430 Kg	
11.	Eligibility Criteria	(i). Have experience to work for ships (preferably PMSA ships) (ii). Company must be certified with HQ PMSA (iii). Company must be income and Sales tax registered (iv). Company must have good experience of repair/ maintenance of pumps	
12.	EDC/ EDD	10 Days after award of contract	
13.	Warranty	1 Year	
14.	Acceptance Criteria	Item will be accepted after onboard inspection and satisfactory trials at 0.25 Mpa discharge pressure and flow rate shall be 70 m ³ /h for 07 days.	
15.	Any Other Relevant Information	SS contact MEO (0321-3000503)	

PMSS BASOL

IT SPECIFICATIONS OF MAGNETRON – TRANSAS RADAR NR-4000

S No	Description	
1.	Parent equipment	TRANSAS Radar NR-4000
2.	Sub-equipment	Transmission unit
3.	Assembly Component	Magnetron
4.	Make	Teledyne E2V
5.	Model	EEV MG5473
6.	Quantity	01
7.	Justification i.e PMS/ Failure/ FWT	Fair Wear & Tear. Clocked 4156 Hrs. MTBF is 5000 Hrs
8.	Work Required/ Defect	Acquiring range of radar has been reduced. Magnetron needs replacement for satisfactory operation.
9.	Detailed Scope of Work	Procurement and installation of Magnetron and satisfactory operation of radar.
10.	Technical Specs	10 KW X Band
11.	Eligibility Criteria	Any firm having good experience with PMSA. OEM authorized reps will be given preference.
12.	EDC/ EDD	02 Weeks
13.	Warranty	Service and repair warranty of 01 year/ 2500 Hrs
14.	Acceptance Criteria	a. Only OEM certified item be accepted b. Item will be accepted after satisfactory test/ trials onboard. c. Successful trials by end user alongwith factory test/ trials sheets duly signed by the firm.
15.	Any other information	Nil

IT SPECS/ SCOPE OF WORK OF C9 CATERPILLAR DG-1 – PMSS BASOL

S No	Description	
1.	Parent Eqpt.	GENSET
2.	Sub Eqpt.	Camshaft And Push Rod
3.	Assembly Comp.	GENSET
4.	Make	Caterpillar
5.	Model	C9 Water Cooled
6.	Qty	01
7.	Justification	Defect rectification of GENSET
8.	Work Required/ Defect	Repair/ replacement of Push Rod and Camshaft of GENSET 1.
9.	Detailed Scope of Work	a. Defect rectification of camshaft, bearing and push rods. b. Detailed health inspection of GENSET through diagnostic tool and health assessment of piston rings, thrust bearings and main bearings. c. Inspection of associated gear driven pumps & turbo charger. d. Removal and installation of cylinder head, turbo charger and cylinder liners. e. Provision and installation of OEM recommended parts only for satisfactory operation. f. Satisfactory onboard trials of GENSET after installation on 100% load through load van i.e. <u>192 KW</u> g. PQA of GENSET on variable loads. ✓ h. Sharing of report indicating hidden defects and any unseen anomaly in the system.
10.	Technical Specs	As per technical manual.
11.	Eligibilities Criteria	Reputable firm having working experience of C9 CATERPILLAR GENSET fitted on MPVs.
12.	EDC	07 Days
13.	Warranty	01 year
14.	Acceptance Criteria	a. Work to be carried out by/ through suitable rep. b. Satisfactory onboard trials of GENSET after installation on 100% load through load van i.e. 192 KW
15.	Any other relevant Information	Firm must visit onboard to meet exact requirement of ship and in case of any query contractor must contact MEO BASOL.

IT NO : 32/12/2024-25**IT SPECIFICATIONS FOR DEFECT RECTIFICATION OF LINES OF DIFFERENT SYSTEMS
PMSS KOLACHI**

S No	Description				
1.	Parent Equipment	Fresh water & Sea Water System			
2.	Sub Equipment	Lines			
3.	Assembly Equipment	Lines of various sizes			
4.	Make	-			
5.	Model	-			
6.	Required Quantity	S.No	Part Number/Model	Description	Quantity
		a.	Size: Dia 1.5", Material Cu-Ni	Fresh water lines	11
		b.	Size: Dia 2", Material Cu-Ni	Fresh water lines	04
		c.	Size: Dia 2", Material Cu-Ni	Sea water lines	03
		d.	Size: Dia 3", Material Cu-Ni	Fresh water lines	15
7.		e.	Size: Dia 6", Material Cu-Ni	Chiller Line strainer body (as per sample)	02
8.	Justification	Repairing of above mentioned lines of different sizes to stop leakages and smooth operation of systems.			
9.	Detailed scope of work	<ol style="list-style-type: none"> 1. Repairing of above mentioned lines followed by pressure test. 2. Paint work on respective line area after repairing. 3. Lagging work to be carried out after repairing where applicable. 4. Welding plant must be marine version. 5. Fabrication of Strainer body as per sample. 			
10.	Technical specifications	As per OEM specifications/ Manual			
11.	Eligibility Criteria	Reputable local/ international contractor having working experience with PMSA			
12.	EDD/ EDC	30 Days after award of contract			
13.	Warranty	01 Year			
14.	Acceptance Criteria (if any)	<ol style="list-style-type: none"> a. No leakage b. Paint Work c. Lagging work where applicable d. Strainer body will be fitted by contractor 			
15.	Any other relevant information	Contact MEO (0336-2490044)			

**IT SPECIFICATIONS FOR OVERHAULING OF AFT HPAC AND CONDUCT OF PMS
ROUTINE FOR OVERHAULING OF 08 X DRAIN VALVES - PMSS KOLACHI**

S No	Description																																													
1.	Parent Equipment	High Pressure Air Compressors																																												
2.	Sub Equipment	Compressor Unit																																												
3.	Assembly Equipment	Drain Valves.																																												
4.	Make	Wuhan Mekand																																												
5.	Model	MKD-50/150																																												
6.	Required Quantity	<table border="1"><thead><tr><th>S.No</th><th>Part Number/Model</th><th>Description</th><th>Quantity</th></tr></thead><tbody><tr><td>a.</td><td>N2720</td><td>O-ring</td><td>4</td></tr><tr><td>b.</td><td>N4177</td><td>Slot ring</td><td>4</td></tr><tr><td>c.</td><td>57628</td><td>Valve piston</td><td>2</td></tr><tr><td>d.</td><td>N3489</td><td>O-ring</td><td>4</td></tr><tr><td>e.</td><td>N2507</td><td>O-ring</td><td>4</td></tr><tr><td>f.</td><td>56687</td><td>Valve seat</td><td>2</td></tr><tr><td>g.</td><td>N4178</td><td>O-ring</td><td>4</td></tr><tr><td>h.</td><td>N7901</td><td>O-ring</td><td>2</td></tr><tr><td>i.</td><td>57629</td><td>Valve piston</td><td>2</td></tr><tr><td>j.</td><td>56691</td><td>Valve seat</td><td>2</td></tr></tbody></table>	S.No	Part Number/Model	Description	Quantity	a.	N2720	O-ring	4	b.	N4177	Slot ring	4	c.	57628	Valve piston	2	d.	N3489	O-ring	4	e.	N2507	O-ring	4	f.	56687	Valve seat	2	g.	N4178	O-ring	4	h.	N7901	O-ring	2	i.	57629	Valve piston	2	j.	56691	Valve seat	2
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a.	N2720	O-ring	4																																											
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h.	N7901	O-ring	2																																											
i.	57629	Valve piston	2																																											
j.	56691	Valve seat	2																																											
7.	Justification	Replacement of above mentioned items is required for HPAC Drain Valves																																												
8.	Detailed scope of work	1. Overhauling of 08 x drain valves through replacement of above mentioned parts/ items followed by satisfactory trails 2. Aft HPAC operation at optimum performance at 150 Bar and charging of bottles in OEM defined time frame.																																												
9.	Technical specification	As per OEM specifications/ Manual																																												
10.	Eligibility Criteria	Reputable local/ international contractor having working experience with PMSA																																												
11.	EDD/ EDC	15 Days after award of contract																																												
12.	Warranty	01 Year																																												
13.	Acceptance Criteria (if any)	a. OEM Certified item b. Technical specifications should be mentioned c. Upon scrutiny of items and provided documents along with production certificate by OEM																																												
14.	Any other relevant information	Contact MEO (0333-8948563)																																												

IT NO : 32/14/2024-25

**IT SPECIFICATIONS OF MARINE VERSION SWITCHES, SOCKETS
AND PLUGS – PMSS NUSRAT**

S No. IT Specifications		
1.	Parent Equipment	POWER DISTRIBUTION
2.	Sub Equipment	Nil
3.	Assembly Component	RECEPTACLE W/SWITCH WATERTIGHT, 3 PIN HNA SYNTHETIC RESIN (250V 10Amp)
4.	Make	REBTEC ® Gmb(H) Made in Germany/ Equivalent
5.	Model	792882
6.	Qty	15 x Marine Version Watertight Switches 15 x Marine Version Watertight Sockets 10 x Marine Version Watertight Plugs
7.	Justification i.e PMS/ Failure/ FWT etc	During DC&FF Work up point was highlighted by HQ FOST
8.	Work Required/ Defect	Repair/ replacement of defective Marine Version Switches, sockets and plugs of upper deck.
9.	Detailed Scope of work	Scope of work is as under: a. Removal of defective marine version switches, sockets and plugs. b. Repair/ replacement of marine version, switches, sockets and plugs. c. Installation of new marine version switches, sockets and plugs, if necessary. d. Standard wiring is to be used. e. Switches, Sockets and plugs are properly secured. f. Connection must be tightened. g. Cable should be rigged for providing electrical supply to switches, socket and plugs. h. The firm will be responsible to undertake any work not covered above to ensure good quality of work. i. The firm will be responsible for welding/ cutting, if required. k. The firm will arrange all spares, tools and accessories etc required for the same work. l. The firm will be responsible for requirement of external services. m. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work.
10.	Technical Spec	Standard Marine Version
11.	Eligibility Criteria	a. The firm should visit onboard and carry out inspection to establish the extent of required work. b. The firm should having good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered
12.	EDC	10 x working days after issuance of work/ confirmation order
13.	Warranty	01 year from the date of acceptance
14.	Acceptance Criteria	Successful repair/ replacement of Marine version Switches, sockets and plugs
15.	Any other relevant information	Nil

**IT SPECIFICATIONS – REPAIR THROUGH REPLACEMENT OF ACCESSORIES/
SPARES FOR 02 X RHIBs– EASTERN WING**

E-11-2A/B

1.	Ship's Name	RHIBs-(1 & 2)																																																									
2.	Parent Equipment	Accessories/ spares for OBMs, Steering Control and Navigation Systems																																																									
3.	Sub Equipment	As mentioned below (S No 11)																																																									
4.	Assembly Component	As mentioned below (S No 11)																																																									
5.	Make	ASIS Boats (UAE)																																																									
6.	Model	Hull registration numbers (C-6503E606 and C-6504E606)																																																									
7.	Qty	As mentioned below (S No 11)																																																									
8.	Justification i.e PMS/ Failure/ FWT etc	02 x RHIBs acquired from World Wildlife Fund (WWF) and accessories/ spares mentioned at S No 11 below are essentially required for operationalization of said boats																																																									
9.	Work Required/ Defect	Repair through replacement of accessories/ spares for 02 X RHIBs (As mentioned in S No 11 below)																																																									
10.	Detailed scope of work	Repair through replacement of accessories/ spares for 02 X RHIBs (As mentioned in S No 11 below)																																																									
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12.	Eligibility Criteria	Any well reputed local/ international firm having experience for repair through replacement of accessories/ spares for small boats																																																									
13.	EDC	15 Days																																																									
14.	Warranty	01 x Year after completion of work																																																									
15.	Acceptance Criteria	<ul style="list-style-type: none"> ➤ Inspection of all replaced parts by end user. ➤ Successful trials by end user after onboard installation. 																																																									
16.	Any other relevant information	Contracted firm is to ensure replacement of marine grade accessories/ spares.																																																									

IT NO : 32/16/2024-25

D(MT)

IT SPECIFICATION FOR PURCHASE OF BATTERIES

01	SYSTEM	BATTERIES OF MT VEHICLE																																													
02	MAKE	AGS																																													
03	MODEL	AS PER DESCRIPTION																																													
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07	PRELIMINARY INVESTIGATION BY SHIP'S STAFF	SHIP'S STAFF																																													
08	ELIGIBILITY	REGISTER CONTRACTOR																																													
09	EDD	15-Days																																													
11	WARRANTY	01 YEAR AFTER RECIEVING																																													
12	ACCEOTABCE CRITERIA	MANUFACTURING DATE SHOULD NOT BE MORE THAN MONTHS																																													
13	ANY OTHER RELEVANT INFORMATION	BATTERY WATER IS REQUIRED IN SEPARATE CAN.																																													

**IT SPECIFICATION FOR PURCHASE OF FILE COVER WHITE WITH PMSA MONOGRAM
FOR HQ PMSA/PMSS INDUS**

S No	IT SPECIFICATION	
1.	System	Self
2.	Sub System	N/A
3.	Make	Local
4.	Model	N/A
5.	Quantity	500 in No
6.	Scope of Work	Printing of File Cover White with PMSA Monogram (Size 355 x 235 x 15mm, Width of Flapper Fold 35mm)
7.	Eligibilities	The firm should Registered in PMSA & NTN / GST registered
8.	EDD	07 Days after Issuance of order
9.	Warranty / Guarantee	01 Year after delivery
10.	Acceptance Criteria	Accepted by Warehouse Staff

IT SPECIFICATION FOR OVERHAULING OF 12 x FAN COIL UNIT (FCU)s– PMSS HINGOL

1.	Parent Equipment	Chill Water Plant
2.	Sub Equipment	Marine Fan Coil Unit (FCU)
3.	Assembly Component	FCU Coils & Motors
4.	Model	CFP-LGX, CFP-WM
5.	Make	Jiangsu Josun Air Conditioner Co., Ltd China
6.	Qty/ Item Details	12 x Fan Coil Units
7.	Justification	Performance of FCU coils observed degraded due dirt deposits.
8.	Work required/ defect	Overhauling of 12 x FCU coils for performance enhancement
9.	Scope of Work	a. In route all accessories including bulkhead/ceiling honeycomb is to be removed and reinstalled b. Fan Coil Units (FCUs) all defective/ degraded components including evaporator coils are to be replaced with copper material and servicing/ overhauling of blower motor c. FCU performance is to be restored to maintain compartment temperatures (i-e upto 19 degrees Centigrade) d. Satisfactory running operation of 129 x FCUs e. All work including in route accessories removal is to be done by the contractor. f. All spares, tools and test equipment are to be arranged by the contractor g. Any other spare part(s) if required, will be arranged by contractor h. Any damage during removal of accessories will be responsibility of the contractor
10.	Eligibilities	a. Any registered and security wise cleared local contractor who has working experience on Chiller/FCUs of MPVs b. Firm must visit site for understanding exact nature of defect/ hindrances involved in job prior quoting to avoid inconvenience on later stage after award of Work Order
11.	EDC	02 x Weeks/ 14 x Days
12.	Warranty	01 x year after completion of successful trials.
13.	Acceptance Criteria (if any)	Satisfactory operation 12 x Fan Coil Unit upto 19 degrees centigrade
14.	Any other relevant information	a. Firms are requested to visit site before quoting. If any firm quotes without visiting Ship, firm will be rejected in TSR b. Any damage during work is responsibility of contractor

PMSS KASHMIR

IT SPECIFICATION: CONDUCT OF MISCs PMS ROUTINES RELATED TO CONTROL SYSTEMs

1.	System	Control Systems
2.	Sub system	Propulsion Control System, Rudder Telegraph System & Bridge Control Console
3.	Assembly Component	Misc
4.	Make	a. SHANGHAI MARINE DIESEL ENGINE RESERCH INSTITUTE, CSIC b. JINZHOU NORTH NAUTICAL INSTRUMENT CO., LTD. c. JINZHOU HANGXING SHIP TECHNOLOGY CO., LTD.
5.	Model	OEZ-24Z102
6.	Quantity	a. Propulsion Control System: 02 b. Rudder Telegraph System : 02 c. Bridge Control Console : 01
7.	Justification i.e PMS/ Failure/ FWT etc	PMS Routines (5-6125-0000, 5-6117-0000 & 5-5705-0000)
8.	Work Required/ Defect	Conduct of Misc PMS routines Misc Control Systems
9.	Scope of Work	a. PMS No: 5-6125-0000: i. Annual maintenance of the Device (MOP-005) ii. Equipment Overhaul (MOP-006) b. PMS No: 5-6117-0000: i. Check the Insulation Resistance (MOP-007) ii. Check the Relay/ Contactor (MOP-008) iii. Check the Switch Power Supply Device (MOP-009) iv. Overhaul Breakers (MOP-011) c. PMS No: 5-5705-0000: i. Functional testing of system ii. Replacement of Buttons (MOP-008) d. Spares required to conduct the routines will be provided by firm e. Any growth work will be bear by firm
10.	Technical Specs	As per relevant TPIs & JICs
11.	Eligibility Criteria	a. Have experience to work onboard ships (preferably PMSA ships). b. Company must be certified with HQ PMSA. c. Company must be Income and Sales tax registered.
12.	EDC	04 weeks after confirmation of order
13.	Warranty	01 x year
14.	Acceptance Criteria	Satisfactory trials of all control systems for 30 Days at sea
15.	Any other relevant information	Firm must visit onboard before providing quotation to verify exact scope of work as per JIC (Contact: 0321-3000503)

PMSS KASHMIR

IT SPECIFICATION: CONDUCT OF PMS ROUTINE RELATED TO HP AIR SYSTEM

113

1.	System	High Pressure Air System
2.	Sub system	Quick Closing Valve and Air Tank Module
3.	Assembly Component	Misc
4.	Make	Changzhou Huifeng Vessel Accessories Manufacture Co., Ltd.
5.	Model	WGT299-75-15/ CGT406-150-15
6.	Quantity	08
7.	Justification i.e PMS/ Failure/ FWT etc	a. PMS Routine 3-2403-0001 (MOP 005,006, 007, 008, 009, 010) b. PMS Routine 3-5273-0001 (MOP 003 & 004)
8.	Work Required/ Defect	Routines to be carried out for satisfactory operation of Main & Auxiliary Machinery
9.	Scope of Work	(i). Clean the element of the high-pressure filter (ii). Check the gas inlet parts and decompression parts (iii). Disassemble of Air Bottle (iv). Pressure Testing (v). HP air relief valve pressure testing (vi). HPAC relief valve pressure testing (vii). Inspection after assembly of Air Bottles (viii). Replace the Air Bottle <i>(if required). will be delt as growth work</i>
10.	Technical Specs	As per Technical Manual
11.	Eligibility Criteria	(i). Have experience to work for ships (preferably PMSA ships) (ii). Company must be certified with HQ PMSA. (iii). Company must be Income and Sales tax registered. (iv). Company must have good experience of repair/ maintenance of High Pressure Air Systems.
12.	EDC	15 Days after confirmation of order
13.	Warranty	05 Year/ Certification
14.	Acceptance Criteria (if any)	a. Certification of all routine at para 9 may be provided by reputable organization working on HP systems. b. Satisfactory trials upto 20 Bar c. Any growth work will be bear by Firm
15.	Any other relevant information	Firm must visit onboard before providing quotation (0321-3000503)

D(MT)

**IT SPECIFICATION COMMERCIAL REPAIR CASE – MOTOR CYCLE NO 170505 MS
HONDA 125 DELUXE**

1.	SYSTEM	COMMERCIAL REPAIR
2.	MAKE	HONDA
3.	MODEL	2017
4.	VEHICLE NO	170505 MS
5.	ITEM DESCRIPTION	Work Description <u>Following items will be Repair/ Replacement:</u> a. Engine works 1) Head 2) Cylinder 3) clutch plates 4) pressure plate 5) Ring piston b. Wheel Drum (Front & Rear) c. Fuel Tank & Chassis Painting Works d. Front Shocks, Meter & Handle works e. Main Stand & Gear lever f. Brake pad & shoe g. Front brake disk h. Gear shaft i. Cables accelerator, RPM j. Accelerator assembly k. Ignition switch l. Indicator 04 m. Chain cover & sprockets
6.	TECHNICAL SPECIFICATIONS	HONDA Original Spares Parts
7.	PRELIMINARY INVESTIGATION BY SHIP'S STAFF	D(MT) / MTO STAFF
8.	ELIGIBILITY	REGISTERED CONTRACTOR
9.	EDC	15 DAYS
10.	WARRANTY	12 MONTH
11.	ACCEPTANCE CRITERIA	→ STAGE INSPECTION BY END USER → SATISFACTORY ROAD TRIALS
12.	ANY OTHER RELEVANT INFORMATION	ALL CONSUMABLES FOR TEST/ TRIALS IS RESPONSIBILITY OF THE CONTRACTED FIRM.

IT NO : 32/22/2024-25

IT SPECIFICATIONS FOR MODEM UNIT OF JRC JSS-2150 MF/ HF SET (PLAIN)
PMSS BASOL

S No	Description			
1.	Parent Equipment	JSS 2150 HF/MF 150W		
2.	Sub Equipment	NTD-2150 HF/MF Transceiver		
3.	Assembly Component	Modem Unit		
4.	Model	CMJ-2250		
5.	Make	Japan Radio Co. Ltd		
6.	Quantity/ Item Details	Part Number	Description	Required Quantity
		CMJ-2250	Modem Unit	01
7.	Justification	Defect rectification of JRC JSS HF/ MF 2150 comm set.		
8.	Work required/ Defect	Repair/ Replacement of defective Modem Unit for defect rectification of JRC JSS HF/ MF 2150 comm set and onboard system trials.		
9.	Scope of work	Repair/ Replacement of defective Modem Unit for defect rectification of JRC JSS HF/ MF 2150 comm set and onboard system trials.		
10.	Technical Specifications	As per technical manual		
11.	Eligibility Criteria	Any registered and security wise cleared local contractor who has working experience onboard MPVs		
12.	EDC	1 x Month		
13.	Warranty	1 Year		
14.	Acceptance Criteria	a. OEM certified items to be used. b. Technical specifications to be provided by firm prior fitting of defective parts. c. Firm is to provide technical specifications along with production certificates by OEM i.r.o defective parts. d. Satisfactory trials onboard ship i.e. testing of transmission & reception of HF/ MF signals.		
15.	Any Other Relevant Information	SS may be contacted for any requirement/ query		

IT NO : 32/23/2024-25

**IT SPECIFICATION FOR DEFECT RECTIFICATION OF FWD STBD MAIN ENGINE
(FSME) MONITORING, PROTECTION AND CONTROL SYSTEM WITH PLC BASED
SYSTEM - PMSS NUSRAT**

S No	IT Specifications	
1.	Ship's Name	PMSS NUSRAT
2.	Parent Equipment	FSME
3.	Sub System	PLC base Monitoring, Protection and Control System
4.	Assembly Components	PLC and associated IOs
5.	Make	Mitsubishi brand PLC
6.	Model	PM554 TP ETH Programmable logic controller
7.	Quantity	01
8.	Justification i.e PMS/ Failure/ FWT etc	PLC and associated I/Os working abnormally resulting in erratic behavior of system. Control system malfunction causing undesired system parameters and false trigger alarms. Control system on remote not available
9.	Work Required/ Defects	Defect rectification of existing Control system
10.	Scope of Work	<p>Scope of work is as under:</p> <ul style="list-style-type: none"> a. Defect rectification of earlier monitoring, protection, control system PLCs and associated IOs b. Check/ repair/ replacement of PLC module c. Check/ repair/ replacement of associated IOs cards d. Check/ repair/ replacement of GCU cards e. Check/ repair/ verification of wirings and provide marking of all wirings f. Check/ repair/ verification of power issues g. Check/ repair/ verification of programing and communication errors and provide control system software h. Check/ verification of software errors j. Provide complete diagram of control system and fault diagnosis (hard copy) k. Marine grade IP rating box for securing of control system l. The firm will be responsible to undertake any work not covered above to ensure good quality of work m. Provided training of control system in fault finding of SS n. Growth work, if any, will be undertaken by the firm in coordination with ship staff p. All spares, tools, special equipment, accessories etc. to be arranged by the firm q. The firm will be responsible for requirement of external services
		<ul style="list-style-type: none"> r. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any rework s. Any damage/ defect/ wear tear occur during the course of removal and installation of core assembly will be repaired/ met by firm
11.	Technical Spec	As per IT Spec
12.	Eligibility Criteria	<ul style="list-style-type: none"> a. The firm should visit onboard and carryout inspection to establish the extent of required work b. The firm should having good experience of the same kind of work required onboard c. The firm should be NTN/GTN registered
13.	EDC	15 x working days after issuance of work/ confirmation order
14.	Warranty / Guarantee	01 year from the date of acceptance
15.	Acceptance criteria	<ul style="list-style-type: none"> a. Successful defect rectification of Control system b. HATs/ SATs
16.	Any other relevant information	Nil

PMSS KASHMIR

IT SPECIFICATION: CONDUCT OF PMS ROUTINES OF CO2 DRENCHING SYSTEM AND AFFF SYSTEM

1.	System	Firefighting Systems
2.	Sub system	CO2 Drenching & AFFF System
3.	Assembly Component	Misc
4.	Make	a. CSSC JIUJIANG FIRE EQUIPMENT CO. LTD b. SHANGHAI PUZAN INDUSTRIAL CO. LTD
5.	Model	a. CDE2 b. PHP32/2
6.	Quantity	02
7.	Justification i.e PMS/ Failure/ FWT etc	PMS Routines (3-5932-0000 & 3-7604-0000)
8.	Work Required/ Defect	Conduct of Misc PMS routines related to CO2 Drenching & AFFF System
9.	Scope of Work	a. PMS No: 3-5932-0000 i. Nozzles Inspection (MOP-011) ii. Verification Signal Whistle (MOP-012) iii. Check Control Pipes and Fire Extinguishing Agent Delivery Pipe (MOP-013) iv. Check Pressure Signal Transmitter (MOP-015) v. Replace the O-Ring Seal of Discharge Valve (MOP-016) vi. Maintenance and Test after Release of Pneumatic discharge valve (MOP-018) vii. Testing of N2 Bottles b. FMS No: 3-7604-0000 i. Inspect Foam Nozzle and Foam Pump (MOP-008) ii. Test Insulation Resistance (MOP-009)
10.	Technical Specs	As per relevant TPIs & JICs
11.	Eligibility Criteria	a. Have experience to work onboard ships (preferably PMSA ships). b. Company must be certified with HQ PMSA. c. Company must be Income and Sales tax registered.
12.	EDC	04 weeks after confirmation of order
13.	Warranty	01 x year
14.	Acceptance Criteria	Satisfactory trials both systems for 30 Days
15.	Any other relevant information	Firm must visit onboard before providing quotation to verify exact scope of work as per JIC (Contact: 0321-3000503)

IT NO : 32/25/2024-25

PMSA 93 SQN
IT SPECIFICATION FOR REPAIR/REPLACEMENT OF
NETWORK SWITCH

S NO	IT SPECIFICATION	
1.	Model	H3C Switch,HP, DELL, JUNIPER,D LINK
2.	Technical specification	24xports managed switch
3.	Port switching capacity	128 Gpds
4.	Quantity	01xnetwork switch replacement
5.	Console Port	01
6.	Service port	24-port 10/100/1000 base-t 4port SFP
7.	Input voltage	100 V·AV- 240VAC@ 50Hz
8.	Power consumption	Min AC:10W MAX AC:24W
9.	Environmental data	Operational temperature: 0°C to 45°C Operation Humidity 0% to 90%
10.	Eligibilities	Any PMSA contractor
11.	EDC	15 Days
12.	Warranty	03 Year
13.	Acceptance Criteria	Inspection and Trials by End user

IT NO : 32/26/2024-25

IT SPECIFICATIONS FOR COOLANT PRESSURE & TEMPERATURE, LUB OIL PRESSURE & TEMPERATURE & FUEL PRESSURE SENSORS OF GENSET NO 1 & 2 – PMSS BASOL

S No	Description				
1.	Parent Equipment	C9 Marine GENSET			
2.	Sub Equipment	Protective Sensors			
3.	Assembly Component	Electrical Wiring & DEIF Control Unit			
4.	Make	Caterpillar			
5.	Model	C9Z			
6.	Qty	S No	Part Number	Item Description	Qty Required
		a.	309-0728	L.O Pressure Sensor	02
		b.	309-0706	L.O Temperature Sensor	02
		c.	309-0711	Coolant Pressure Sensor	02
		d.	309-0704	Coolant temperature sensor	02
		e.	309-0712	Fuel Pressure Sensor	02
7.	Justification	Coolant pressure & temperature, lub oil pressure & temperature and fuel pressure sensors degraded.			
8.	Work Required/ Defect	Defect rectification of Coolant pressure & temperature, lub oil pressure & temperature and fuel pressure sensors required.			
9.	Detailed scope of work	a. Replacement of defective sensors. b. Repair/replace electrical wiring and harness upto DEIF Control Unit. c. Satisfactory trials of both GENSETs sensors up to standard limits.			
10.	Technical Specs	As per technical manual.			
11.	Eligibilities Criteria	Reputable contractor/OEM having working experience of C-9 Caterpillar GENSETs.			
12.	EDC	05 Days			
13.	Warranty	01 Year			
14.	Acceptance Criteria	a. Must have relevant experience in caring out repairs/ servicing of C-9 Caterpillar GENSETs. b. Contractor must visit for understanding the defect. Contractor must get visit certificate duly signed by MEO of ship.			
15.	Any other relevant Information	Firm must visit onboard to meet exact requirement of ship and in case of any query contractor must contact MEO BASOL.			

IT NO : 32/27/2024-25

IT SPECIFICATION FOR REPAIR OF MICOM-3T HF TRANSCEIVER - PMSS

SABQAT

1.	Parent Equipment	MICOM-3T HF Transceiver
2.	Sub Equipment	--
3.	Assembly Component	--
4.	Make	Japan
5.	Model	M91AMNOKV5BK
6.	Qty	01
7.	Justification i.e PMS/Failure/ F.W.T etc	Defective
8.	Work required/ defect	Repair/Replacement MICOM-3T HF transceiver
9.	Detailed scope of work	Repair MICOM-3T HF transceiver including undermentioned jobs: a. Complete installation & Prove system satisfactory operation. b. Requirement of external service, if any will be responsibility of the firm without any liability on the part of ship. c. Defective items are to be handed over to SS.
10.	Technical Specification	--
11.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work. b. The firm should have experience of the same kind of work. c. The firm should be NTN/GST registered.
12.	EDC	15 days.
13.	Warranty	01 year
14.	Acceptance Criteria (if any)	a. OEM certified parts. b. Satisfactory running trials.
15.	Any other relevant information	Nil

IT SPECIFICATION OF SRE SYSTEM - PMSS REHMAT

S No		IT SPECIFICATIONS
1.	Parent Equipment	SRE and Conning System
2.	Sub equipment	Speakers, Mics and cabling where required
3.	Assembly component	
4.	Make	BOCSH China
5.	Model	LC3-UC06/ Equivalent
6.	Quantity	09 Speakers + 03 marine version Mics
7.	Justification i.e PMS/ Failure/FWT etc	Item critically required for maintaining operational capability
8.	Work Required/ Defect	Repair/Replacement of defective speakers and mics of SRE system/conning system
9.	Detailed scope of work	1. Complete repairs/ replacement of defective speakers and mics ensuring satisfactory operation of SRE and conning system. 2. Rewiring/ rectification of cables where required. 3. Provision and installation of accessories w.r.t rectifier system.
10.	Technical Specs (If any)	SRE ceiling Speaker Mics JLC Japan NVT-... Dynamic Microphone
11.	Eligibility Criteria	Power rating: 6W/ 100V Imp 400hm weight 100g a. The firm should visit onboard to understand defect b. Firm not undertaking the visit onboard ship to attend work will not technically qualify. c. The firm has sufficient experience of same kind of work. d. NTN/GST registered.
12.	EDC	02 x Weeks
13.	Warranty	01 x Year warranty after installation.
14.	Acceptance Criteria (If any)	Onboard system trials after installation
15.	Any other relevant information	NA

IT NO : 32/29/2024-25**IT SPECIFICATIONS OF SPLIT AC (1.5 TON) – PMSS REHMAT**

S No	IT Specifications	
1.	Parent Equipment	General Habitability onboard
2.	Sub Equipment	Split AC
3.	Assembly Component	1.5 Tons (18000 BTUs)
4.	Make	Any reputable brand preferably DAWLANCE, GENERAL or ACSON
5.	Model	
6.	Quantity	01 in No
7.	Justification i.e PMS/ Failure/ FWT etc	02 x 1.5 Ton split AC installed at bridge have been declared BER by BMG.
8.	Work required/ Defect	Procurement of 01 x 1.5 ton split type ACs against survey is required.
9.	Technical Specification	a. 18000 BTU each b. 220V 50Hz c. Copper material for inner and outer coil.
10.	Scope of Work	Following work is required to be undertaken for procurement of 1.5 tons AC against survey: a. Provision of 01x Split Air Conditioner alongwith all accessories including safety breaker. b. Split Air Conditioner with copper condenser in outdoor unit and copper evaporator in Indoor unit. c. 7"/44" supply cable and installation is required.
11.	Eligibility Criteria	a. The firm must visit onboard and carry out diagnosis/ inspections to establish the extent of required work. b. Income tax registered. c. Sales tax registered.
12.	EDD	1 week after issuance of LPO
13.	Warranty	Company's warranty
14.	Acceptance criteria	Inspection and satisfactory trials by end user.
15.	Any other relevant information	-

IT NO : 32/30/2024-25**IT SPECIFICATIONS – REQUIREMENT OF 12 X BANANA FENDER (TWIN EYE BOAT FENDER) FOR PMSS NAZIM/ FRBs**

16.	Parent Equipment	Fast Response Boats (FRBs)
17.	Sub Equipment	Banana Fender (Twin Eye Boat Fender)
18.	Assembly Component	-
19.	Make	Safe Boat International USA
20.	Model	2010
21.	Qty	12 in number
22.	Justification i.e PMS/ Failure/ FWT etc	Nil
23.	Work Required/ Defect	Nil
24.	Detailed scope of work	Requirement of 12 x Banana Fenders (Twin Eye Boat Fender) for FRBs
25.	Technical Spec	a. Length : 36 Inch b. Diameter : 30 Inch c. Weight : Approx.10 Kg
26.	Eligibility Criteria	b. Any local registered firm with good reputation
27.	EDC	Max 01 x month from the date of contract
28.	Warranty	01 Year
29.	Acceptance Criteria	Inspection by end user
30.	Any other relevant information	Nil

IT SPECIFICATIONS – REQUIREMENT OF 12 X CHERRY FENDER (TUFF ENDED ROUND INFLATABLE FENDER) FOR PMSS NAZIM/ FRBs

1.	Parent Equipment	Fast Response Boats (FRBs)
2.	Sub Equipment	Cherry Fender (Tuff ended round inflatable fender)
3.	Assembly Component	N/A
4.	Make	Safe Boat International (USA)
5.	Model	2010
6.	Qty	12 in number
7.	Justification i.e PMS/ Failure/ FWT etc	Nil
8.	Work Required/ Defect	Nil
9.	Detailed scope of work	Critical Requirement of 12 x Cherry fender (Tuff ended round inflatable fender)
10.	Technical Spec	a. Diameter x Circumference: 15 x 47 Inch b. Buoyancy : 65 Lbs c. Line-Hole Diameter : 1-1/2
11.	Eligibility Criteria	a. Any local registered firm with good reputation
12.	EDC	Max 01 x month from the date of contract
13.	Warranty	01 Year
14.	Acceptance Criteria	Inspection by end user
15.	Any other relevant information	Nil

D(MT)

IT SPECIFICATION FOR REPLACEMENT OF TYRES

1.	SYSTEM	TYRES OF MT VEHICLE								
2.	MAKE	Suzuki Van								
3.	MODEL	2002								
4.	VEHICLE NO / TYPE	020407 MS SUZUKI VAN								
5.	TYPE OF TYRES REQUIRED	BRIDGESTONE /DUNLOP/GENERAL EQUIVALENT.								
6.	ITEM DESCRIPTION	<table border="1"><thead><tr><th>S No</th><th>PATT/PART NO</th><th>DESCRIPTION</th><th>QTY</th></tr></thead><tbody><tr><td>a</td><td>SIZE:4.50-12 LT</td><td>Tubeless</td><td>04</td></tr></tbody></table>	S No	PATT/PART NO	DESCRIPTION	QTY	a	SIZE:4.50-12 LT	Tubeless	04
S No	PATT/PART NO	DESCRIPTION	QTY							
a	SIZE:4.50-12 LT	Tubeless	04							
7.	TECHNICAL SPECIFICATIONS	AS PER SPECIFICATION								
8.	PRELIMINARY INVESTIGATION BY SHIP'S STAFF	D(MT) & MTO STAFF								
9.	ELIGIBILITY	REGISTERED CONTRACTOR								
10.	EDD	15-DAYS								
11.	WARRANTY	01 YEAR								
12.	ACCEOTABCE CRITERIA	ON BOARD / SHELF LIFE NOT MORE THAN 06 MONTH								
13.	ANY OTHER RELEVANT INFORMATION	WHEEL ALIGNMENT/BALLANCING AFTER FITTING OF NEW TYRES ARE REQUIRED. AUTHORIZED DISTIBUTER CERTIFICATE IS REQUIRED.								

IT NO : 32/32/2024-25

**REVISED IT SPECIFICATION FOR INSTALLATION OF SECURITY CAMERAS AT
PMSA BASE GWADAR**

<u>S No</u>	<u>Specification</u>	<u>Remarks</u>	<u>Qty</u>
1.	Parent Equipment	04 x DAHUA-FIX CAMERRA & 01 x IR PTZ CAMERA	04+1
2.	NVR/DVR and other accessories	Digital Video Recorder 08 channel and other accessories as per required Installation	01
3.	Make	Any suitable/ reliable	-
4.	Model	a. IPC-HFW3241EP-AS (DAHUA-IR) b. SD49425XB-HNR (Dahua 4mp25x star-Light IR PTZ, IR -- 100m, IP-66	-
5.	Display	i. Guard Room Display "43" TCL P615 ii. Control Room Display "55" TCL P635	02 in No
6.	HDD	HDD 04 TB 7200 24/7 operation surveillance grade	01 in No
7.	Network Cable	Cable CAT-6 UTP Black Cable outdoor	1250 mtr
8.	Power Cable	Pakistan Cable 99.99% Copper 2.5mm	1250 mtr
9.	Service & Transportation	Transportation and installation of equipments at GWADAR. Firm will be responsible for items delivery to PMSA Base GWADAR	
10.	Contact Number End User	0334-5329101 Lt Shahid Noor PN	
11.	Eligibility	All reputable GST Registered Firm/ Contractor/ Supplier	
12.	Acceptance Criteria	Inspection by End User successful, installation of complete CCTV system and subsequent trails	
13.	Warranty	01 year	
14.	BDD	30 Days	

Note: 100% Payment after completion by CAN

Director General
Pakistan Maritime Security Agency
Plot No 34-A,
Dockyard Road
KARACHI
Telephone 021-48509194
Fax 99214625
E-Mail dpcc@pmsa.gov.pk

INVITATION TO TENDER GENERAL INSTRUCTIONS

1. CONDITIONS GOVERNING CONTRACT:

All Procurement / Repairs / Maintenance Contract, Local Purchase Order (LPO) and work ordered made as a result of this IT shall mean the agreement entered into between the parties that is buyer and the supplier will be in accordance with the PPRA rules 2004 or any amendment issued from time to time. Therefore all open tender inquiry will be uploaded on PPRA Website and publish on print media as the case may be.

2. SUBMISSION OF TENDER:

Firms shall submit their offers in two separate envelopes clearly marked as "**Commercial Offer**" and "**Technical Offer**" for open tender. Both envelopes shall be properly sealed bearing the signature of the bidder. Thereafter both these envelopes shall be placed in one bigger envelope. This envelope should bear the address of the D (P&CC).

a. **TECHNICAL OFFER:** Should contain all relevant details and specifications as per the IT specifications. Literature / Brochure or any other relevant technical details may also be included in it. Technical offer should not contain the price. Indication of price in technical offer may render it null and void. The word "Technical Offer" should be clearly mentioned along with the tender No and date on the envelope containing the technical offer.

b. **COMMERCIAL OFFER:** The price be quoted in figures as well as in words along with essential Literature / Brochures. The word "Commercial Offer", tender number should be clearly mentioned on the envelope. Taxes, duties, freight / transportation, insurance charges etc if any are to be indicated separately.

c. **BID SECURITY:** All registered firms are exempted from provision of bid security upto Rs.500,000/- and unregistered firms have to provide bid security equals to 02% for bids amounting upto Rs.500,000/- in the shape of Pay Order in favor of "IT Sale Account DG PMSA". Furthermore, firms are required to deposit bid security not exceeding 05% of the bid price for bid value amounting more than Rs.500,000/-. Moreover, following guidelines will be followed:

- i. 2% from registered firms.
- ii. 5% from un-registered firms.

d. Total price of the items quoted against the tender is to be clearly mentioned. It should also contain a **pay order 2% or 5% in the shape of pay order of the offered value** as earnest money. Cross cheque or cash is not acceptable in this case. The offer received without earnest money will be rejected.

e. **SPECIAL INSTRUCTIONS:** Tender documents and its conditions may please be read point to point and understood properly before quoting. All tender conditions should be responded properly. In case of any deviation due to non-acceptance of tender conditions, the same should be highlighted along with changed offer / conditions. Tender may however be liable to be rejected.

PREPARATION OF QUOTATION

Please prepare quotation in this format In case of GST @ 18% or SST @ 15%:

<u>S.NO</u>	<u>Description</u>	<u>Unit Price</u>	<u>Qty</u>	<u>Total</u>	<u>GST @ 18% or SST @ 15%.</u>	<u>T/Price</u>

Please prepare quotation in this format In case of without GST or SST:

<u>S.NO</u>	<u>Description</u>	<u>Unit Price</u>	<u>Qty</u>	<u>Total</u>	<u>T/Price</u>

Without this format quotation will not be accepted.

3. DATE AND TIME FOR RECEIPT OF TENDER:

Tender must be dropped in tender Box placed at main gate. HQ PMSA will not accept any excuse of delay occurring due to whatsoever reason. Tender received after the time indicated in IT will not be entertained. The tender opening time, however, fall on next working day in case of closed / forced holiday or any other unforeseen event. Only authorized representatives of firm will be allowed to attend tender opening. **The tender received through Fax, E-Mail will not be acceptable.**

4. TENDER OPENING:

Technical offer will be opened as per scope of work on the date and time mentioned in the tender. Commercial offer shall be retained with technical officer. It will be opened at a later stage. All technical offers will be scrutinized by a Technical Scrutiny Report (TSR) committee nominated by HQ PMSA. The offers which are not as per the IT specification will be rejected. The firms recommended by TSR Committee will be allowed to attend the commercial opening for which date and time will be intimated separately.

5. VALIDITY OFFER:

The validity period of quotations must be indicated and should invariably be for 90 days extendable to 30 days from the date of opening of Technical offer.

6. QUOTING OF RATES:

Unit price of the item, GST/ SST or any other Govt tax and Total price all these should be indicated separately in Pak Rupees in a very clear manner as follows:

S No	Description	Qty	U/Price	GST/SST/Taxes	Total

7. ATL/ GST/ SST/ INCOME TAX NUMBER:

Only registered suppliers, who are on Active Taxpayers List (ATL) of FBR, are eligible to supply goods/ services to Government department. GST/SST and income tax number be clearly indicated on the quotations and all other relevant documents.

8. RETURN OF EARNEST MONEY:

- Earnest money to the unsuccessful bidders will be returned **one week** after commercial opening date.
- Earnest money to the firm who has won the purchase order/ work order & contract will be returned on submission of Bank Guarantee as per the contract.

9. TENDER FEE:

Each technical offer must be accompanied with Cash of **Rs.1,000/-** nonrefundable as tender fee (In favour of IT Sale Account DG PMSA) (**Separate Quotations required for each IT Specification**).

10. INSPECTION AUTHORITY:

Joint inspection of stores provided and work done will be carried out by committee appointed by HQ PMSA or as per the contract.

11. CONDITION OF STORES:

Spares, Stores, items and work done will be accepted on Warranty / Guarantee of the firm on Form DPL-15.

12. DOCUMENTS REQUIRED:

Following documents are required to be submitted alongwith the quotes where applicable:

- a. OEM / Authorized Dealer/Agent Certificate alongwith OEM Dealership Evidence as applicable.
- b. The Supplier is to provide OEM conformance certificate. In case of Fax or e-mail hard copy of conformance certificate must follow. On receipt of this PMSA HQ may approach the OEM to confirm the veracity of the documents submitted. Companies / firms rendering false OEM conformance certificate will be penalized as per rules in vogue.

13. SECURITY DEPOSIT / BANK GUARANTEE:

To ensure timely and correct supply of stores the firm will furnish an unconditional Bank Guarantee (BG) from a schedule bank for an amount of **10%** of the contract value (excluding taxes, duties / freight handling charges on a stamp paper of the value of (Rs.100/00) as per prescribed format in the shape of Bank Guarantee. Format of Bank Guarantee is at Annex „B“. Furthermore, it is imperative to mention that deposit of PBG for HMI and Core Exchange cases will be equal to the total value of engine.

14. CURRENT BANK STATEMENT:

For all contracts of Rs 1,000,000/- or more the firm is required to submit current bank statement of the firm.

15. INTEGRITY PACT:

Procurement exceeding Rs 1.00 M shall be subject to an integrity pact, between the Buyer and the Suppliers or Contractors.

16. CORRESPONDENCE:

All correspondence will be addressed to the Buyer. Correspondence with regard to payment or issue of delivery receipt may be addressed to D (P & CC) PMSA Karachi.

17. PRE SHIPMENT INSPECTION:

PMSA may send a team of Officers for the inspection of Major Equipment and Machinery items at OEM premises for inspection before dispatch if required at the Supplier's cost and arrangement.

18. AMENDMENT IN CONTRACT:

Contract may be amended / modified to include fresh clause modify the existing clauses with the mutual agreements by the Supplier and the Buyer such modifications shall form an integral part of the contract.

19. DISCREPANCY:

The Buyer will render a discrepancy report to all concerned within 45 days after receipt of stores for discrepancies found in the consignment. The quantities found short are to be made good by the Supplier free of cost.

20. PRICE VARIATION:

Price offered against IT are to be firm and final.

21. LIQUIDATED DAMAGES (LD):

Liquidated Damages upto 2% per month are liable to be imposed on the Suppliers by the Buyer in accordance with PPRA rules, if the stores supplied after the expiry of the delivery date without any valid reason. Total value of the LD shall not exceed 10% of the contract value.

22. RISK PURCHASE:

In the event of failure on the part of Supplier to comply with the contractual obligations the contract will be cancelled at the Risk and Expense of the Supplier in accordance with PPRA rules.

23. PENALTY:

In case of wrong supply of the item by the Supplier, a penalty of 10% of the contract value may be imposed by this HQ PMSA apart from any other penalties.

24. ALL RIGHTS RESERVED:

HQ PMSA may reject all bids or proposals at any time prior to the acceptance of a bid or proposal as per PPRA Rule 33(I).

25. PAYMENT:

The payment will be released through Controller of Naval Accounts (CNA) Karachi in Pak Rupees after completion of delivery / work.

26. PARTIAL ORDER.

All participating firms are to comply acceptance of partial order. Partial supply as per lowest rates will be awarded to the lowest bidder.

27. DISQUALIFICATION: Offers are liable to be rejected if:-

- a. Received after time and date specified in the IT.
- b. Offers are found conditional or incomplete in any respect.
- c. There is any deviation from the General / Special / Technical Instructions contained in this tender.
- d. Taxes and duties, Freight, Transportation and Insurance charges not indicated separately as per required price breakdown mentioned above.
- e. Pay Order with Commercial Offer and Cash with Technical Offer is not received.
- f. Multiple rates quoted against one item.
- g. Manufacture's relevant Brochures and technical details on major equipment, assemblies are not attached in support of specification.
- h. Offers (Technical / Commercial) are containing amendments / corrections / overwriting etc.
- j. National Tax No (NTN) and GST/SST No are not indicated on technical and commercial offer.
- k. If validity of offer is not quoted as required in IT or made subject to confirmation late.