

SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 30 x IT SPECIFICATIONS

IT NO : 29/01/2024-25

PMSS KASHMIR

IT SPECIFICATIONS – REPAIR/ REPLACEMENT OF INDUSTRIAL EMBEDDED COMPUTER SERIAL SERVER (MOXA) OF ENGINE ROOM MONITORING SYSTEM		
1.	Parent Equipment	Engine Room Alarm Monitoring and Control System
2.	Sub Equipment	Industrial Embedded Computer
3.	Assembly Component	Serial Server
4.	Make	Shanghai Marine Diesel Engine Research Institute, CSIC
5.	Model	UC-8410
6.	Quantity	01
7.	Justification	FWT
8.	Work Required/ Defect	Repair/ replacement of Industrial Embedded Computer Serial Server (MOXA) of Engine Room Monitoring system
9.	Detailed scope of work	a. Repair/ replacement of Industrial Embedded Computer (MOXA) b. Installation of Serial Server c. STW of complete engine room monitoring system & control system d. Any growth work will be bear by firm e. Spares to be provided by firm
10.	Technical specs	As per TPI 5-6124-450-001
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
12.	EDC/ EDD	10 Days after award of contract
13.	Warranty	1 Year
14.	Acceptance Criteria	Satisfactory trials of system for 15 days
15.	Any Other Relevant Information	SS contact MEO (0321-3000503)

IT NO : 29/02/2024-25
PMSS KASHMIR

IT SPECIFICATION; CONDUCT OF PMS ROUTINES RELATED TO MISCs CONTROL DEVICES (SYSTEMs)																																						
1. System	Control Devices (Systems)																																					
2. Sub system	Main Engines, Gearbox, Rudder, Brake																																					
3. Assembly Component	Misc																																					
4. Make	a. Systems Engineering Research Institute Of China State Shipbuilding Corporation b. Shanghai Marine Diesel Engine Research Institute, CSIC																																					
5. Model	Misc																																					
6. Quantity	13																																					
7. Justification i.e PMS/ Failure/ FWT etc	PMS Routines																																					
8. Work Required/ Defect	Conduct of following PMS Routines alongwith replacement of requisite spares (if required):																																					
	<table border="1"> <thead> <tr> <th>S No</th> <th>PMS</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>5-6121-0000</td> <td>Power Station Monitoring and Control System</td> </tr> <tr> <td>b.</td> <td>5-6123-0001</td> <td>Main Engine Local Control And Monitoring System (Port & Stbd)</td> </tr> <tr> <td>c.</td> <td>5-5701-0000</td> <td>Emergency Main Engine Telegraph System (Port & Stbd)</td> </tr> <tr> <td>d.</td> <td>5-6129-0000</td> <td>Gearbox Electrical Monitoring And Control System (Port & Stbd)</td> </tr> <tr> <td>e.</td> <td>5-6202-0003</td> <td>Local Control Panel (Port & Stbd)</td> </tr> <tr> <td>f.</td> <td>5-3109-0001</td> <td>Brake Control Device (Port & Stbd)</td> </tr> <tr> <td>g.</td> <td>5-6320-0000</td> <td>Rudder Control System (Port & Stbd)</td> </tr> </tbody> </table>	S No	PMS	Description	a.	5-6121-0000	Power Station Monitoring and Control System	b.	5-6123-0001	Main Engine Local Control And Monitoring System (Port & Stbd)	c.	5-5701-0000	Emergency Main Engine Telegraph System (Port & Stbd)	d.	5-6129-0000	Gearbox Electrical Monitoring And Control System (Port & Stbd)	e.	5-6202-0003	Local Control Panel (Port & Stbd)	f.	5-3109-0001	Brake Control Device (Port & Stbd)	g.	5-6320-0000	Rudder Control System (Port & Stbd)													
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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 Years																			
14. Acceptance Criteria	Satisfactory trials of all systems for 01 x month																			
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 : 29/03/2024-25
PMSS KASHMIR

IT SPECIFICATIONS – REPAIR/ OVERHAULING OF MISC VALVES					
1	Parent Equipment	Sea Water, Freshwater and Gray Water Systems			
2	Sub Equipment	Valve			
3	Assembly Component	Misc			
4	Make	Jiangsu Zhenhua Pump Industry			
5	Model	Misc			
6	Quantity	34			
7	Justification	FWT			
8	Work Required/ Defect	Repair/ Overhauling of misc valves			
9	Detailed scope of work	S No	Description	Type	Size Qty
		a.	Fuel tanks and cross connection v/v	Gate valve	4 in 08
		b.	Gray water pump suction and discharge v/v	Gate	06 in 02
		c.	Engine Room sea chest v/v	Gate	12 in 08
		d.	Bilges overboard v/v	Globe	06 in 04
		e.	Flushing system suction v/v	Globe	2 ½ in 04
		f.	Firemain cross-connection v/v	Gate	08 in 04
		g.	CPP overboard	Ball	02 in 04
10.	Technical specs	As per para 9			
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	Satisfactory operation of all valves for 15 days			
15.	Any Other Relevant Information	SS contact MEO (0321-3000503)			

IT NO : 29/04/2024-25

IT SPECIFICATIONS: REPAIR OF STBD HIGH SPEED BOAT -PMSS KASHMIR		18
1.	System	6.7m High Speed Working Boat
2.	Sub system	Jet Assembly & Engine
3.	Assembly Component	Misc
4.	Make	a. Alamarin-Jet OyTuomisentie 16 FI-82300 Harmä, Finland b. Yanmar
5.	Model	a. ALAMARIN JET 230 (6.7-TJXT-P B) b. YANMAR 4LHA-STP (240HP)
6.	Quantity	01
7.	Justification	FWT
8.	Work Required/ Defect	Rectification of speed limitation issue of boat.
9.	Scope of Work	Following works to be undertaken: a. Repairing of jet nozzle b. Repair/ replacement of propeller c. Servicing of engine and associated fittings d. Servicing of automatic bilge pump e. Alignment/ balancing of main shaft f. Servicing of electrical/ control system g. Any other growth work h. Spares (if require) to be provided by firm.
10.	Technical Specs	As per TPI 1-5503-450-001
11.	Eligibility Criteria	a. Have experience to work onboard ships (preferably PMSA ships) b. Have experience to work on water jet propulsion c. Company must be certified with HQ PMSA d. Company must be Income and Sales tax registered
12.	EDC	04 weeks after confirmation of order
13.	Warranty	01 x Years
14.	Acceptance Criteria	Satisfactory trials of boat upto 35 knts for 01 month
15.	Any other relevant information	Firm must visit onboard before providing quotation to verify exact scope of work (Contact: 0321-3000503)

IT NO : 29/05/2024-25

PMSS KASHMIR

IT SPECIFICATIONS: CONDUCT OF PMS ROUTINE OF PORT AND STBD DAVIT		16										
1	System	Boat Davit										
2	Sub system	Port & Stbd Davit										
3	Assembly Component	Misc										
4	Make	CSBC Luzhou Zhenqian Marine Auxiliary Machinery Co. Ltd. OCT										
5	Model	LWH25										
6	Quantity	02										
7	Justification i.e PMS/ Failure/FWT etc	PMS Routine										
8	Work Required/ Defect	Conduct of Misc PMS routines related to Port and Stbd Boat Davit as per JIC										
9	Scope of Work	a. Replace Gear Oil of Reducer (MOP-008) b. Replace Scavenge Filter (MOP-000) c. Replace Air Filter (MOP-010) d. Replace Hydraulic Oil (MOP-011) e. Replace Boat Wire Rope (MOP-012) f. Winch Overhaul (MOP-013)										
10	Technical Specs	<table border="1"><thead><tr><th>Part No</th><th>Description</th></tr></thead><tbody><tr><td>QYL-250X10FP</td><td>Scavenge filter</td></tr><tr><td>EP4-50</td><td>Air Filter</td></tr><tr><td>GB11118</td><td>LHV-46</td></tr><tr><td>Wire Rope</td><td>14-MBL 1E</td></tr></tbody></table>	Part No	Description	QYL-250X10FP	Scavenge filter	EP4-50	Air Filter	GB11118	LHV-46	Wire Rope	14-MBL 1E
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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	a. 01x year for systems/ equipment mentioned at para 9 (a, b, c & d). b. 05 x years for boat wire rope para 9 (e)										
14	Acceptance Criteria (if any)	Satisfactory trials of boat davits mechanism for 02 x months										
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 : 29/06/2024-25

PMSS KASHMIR

IT SPECIFICATIONS: REPLACEMENT/ FABRICATION OF FIRE FIGHTING EQUIPMENT		16																												
1	Parent Equipment	Damage Control & Fire Fighting System																												
2	Sub Equipment	Fire Fighting System																												
3	Assembly Component	Misc																												
4	Make	Chinese																												
5	Model	Nil																												
6	Quantity	<table border="1"><thead><tr><th>S.NO</th><th>Pattern No/Part Number/Model</th><th>Description</th><th>Qty</th></tr></thead><tbody><tr><td>a.</td><td>4820785177407</td><td>Hose 85mm Dia 20 meter with Chinese connector</td><td>08</td></tr><tr><td>b.</td><td>4240997956910</td><td>Fabric, flame retardant 1.2m wide, 60m long(smoke curtain)</td><td>02</td></tr><tr><td>c.</td><td>7289</td><td>Valves</td><td>05</td></tr><tr><td>d.</td><td>N/A</td><td>Back Plates (EDBA)</td><td>04</td></tr><tr><td>e.</td><td>N/A</td><td>Fabrication of stowage racks for AFFF Cans</td><td>08</td></tr><tr><td>f.</td><td>N/A</td><td>Fabrication of Stowage racks for DC&FF equipment in FRPPs</td><td>20</td></tr></tbody></table>	S.NO	Pattern No/Part Number/Model	Description	Qty	a.	4820785177407	Hose 85mm Dia 20 meter with Chinese connector	08	b.	4240997956910	Fabric, flame retardant 1.2m wide, 60m long(smoke curtain)	02	c.	7289	Valves	05	d.	N/A	Back Plates (EDBA)	04	e.	N/A	Fabrication of stowage racks for AFFF Cans	08	f.	N/A	Fabrication of Stowage racks for DC&FF equipment in FRPPs	20
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d.	N/A	Back Plates (EDBA)	04																											
e.	N/A	Fabrication of stowage racks for AFFF Cans	08																											
f.	N/A	Fabrication of Stowage racks for DC&FF equipment in FRPPs	20																											
7	Justification i.e PMS/ Failure/FWT etc	FWT																												
8	Work Required	Replacement/ fabrication of above mentioned items is required for firefighting and safety of the ship																												
9	Detailed scope of work	As Per Para 8																												
10	Technical specifications	As Per Sample																												
11	Eligibility Criteria	(i) Company must be certified with HQ PMSA. (ii) Company must be Income and Sales tax registered																												
12	EDC/ EOD	15 Days after award of contract																												
13	Warranty	1 Year																												
14	Acceptance Criteria	a. Upon scrutiny of items and provided documents production certificate by OEM b. Installation of items by firm c. Stitching of smoke curtains as per already installed dimension d. Specifications and part number should be same as mentioned e. Satisfactory trials as per designed pressure																												
15	Any Other Relevant Information	Contractor must visit onboard to verify above items before providing quotation. Contact: MEO (0321-3000503)																												

IT NO : 29/07/2024-25

PMSS KASHMIR

IT SPECIFICATIONS: DEFECT RECTIFICATION OF HIGH EXHAUST, COOLANT AND WINDING TEMPERATURE ISSUE OF SSDG#2

1.	Parent Equipment	GENSETS # 2
2.	Sub Equipment	Gear Driven Seawater Pump, Thermostat Valve and Winding Temperature Sensor
3.	Assembly Component	Gear Driven Seawater Pump, Thermostat Valve and Winding Temperature Sensor
4.	Make	Shanghai Kontune Power Co. Ltd
5.	Model	K19-DM
6.	Quantity	01
7.	Justification i.e PMS/ Failure/ FWT etc	FWT
8.	Work Required/ Defect	Defect rectification of high exhaust, coolant and winding temperature issue of SSDG#2
9.	Detailed scope of work	a. Replacement of gear driven sea water pump b. Repair/ replacement of thermostat valve c. Inspection and servicing of fuel injectors d. Replacement of temperature sensor of alternator. e. Any other growth work.
10.	Technical specs	As per TPI No3-3703-450-001
11.	Eligibility Criteria	a. Have experience to work for ships (preferably PMSA ships) b. Company must be certified with HQ PMSA c. Company must be Income and Sales tax registered d. Company must have good experience of pumps
12.	EDC/ EDD	15 Days after award of contract
13.	Warranty	1 Year
14.	Acceptance Criteria	Satisfactory trials of DG #2 on 100% load with zero leakage for 15 days
15.	Any Other Relevant Information	SS contact MEO (0321-3000503)

IT NO : 29/08/2024-25

PMSS HINGOL

IT SPECIFICATION FOR PURCHASE OF CEREMONIAL DRESSING LINE WITH 68 x UNFITTED FLAGS

S.NO	IT SPECIFICATION	
1.	Description	Ceremonial Dressing Line
2.	Location	Upper Deck
3.	Make	Pakistan
4.	Quantity	68 x Flags 70 x Meters Rope
5.	Technical Specification	Firm Should be Physically Check as previous Dressing Line
6.	Eligibility	The Firm should be NTN/GST registered
7.	EDD	ASAP
8.	Warranty /Guarantee	03 Years
9.	Acceptance criteria	As Per IT Spec

IT NO : 29/09/2024-25

RESTRICTED

IT SPECIFICATION FOR CALIBRATION OF GAUGES AND METERS – PMSS HINGOL

Parent Equipment	All Main & Auxiliary machinery
Sub Equipment	Main & Auxiliary Machinery Monitoring
Assembly Component	Pressure/ temperature gauges & electrical meters
Model	China
Make	NA
Quantity	All gauges and meters mentioned as per attached list needs to be calibrated.
Justification	Annual calibration of gauges
8. Work Required	Calibration of All gauges and replacement of defective gauges
9. Scope of Work	a. Removal/ installation and isolation of system whose gauges are being removed for calibration b. Provision of calibration certificate of every gauge /meter c. All gauges/ meters are to be tested prior removal. All operational gauges/ meters are to be returned in operational state. Any gauge/ meters which becomes defective during calibration is to be replaced by vendor at additional cost which will be processed as growth work. Vendor will submit estimated quote to HQ PMSA for approval d. Provision of list of defective gauges which are considered beyond repair by the contractor along with reason and cost e. Zoning of gauges as per the requirement of SS f. Contractor is to provide separate quotes for the following: (1) Calibration of gauges including certificates (2) Repair of gauges (if repairable) (3) Brazing/ repair works of associated gauges/ meters lines g. Satisfactory conduct of harbor and sea trials. h. Growth work w.r.t any damage imparted during dismantling and installation of gauges will be responsibility of firm.
10. Eligibility Criteria	a. Company must be sales tax and income tax registered. b. Contractor is to visit the ship prior participation in job to quantify the number of gauges/ meters, repair brazing work (if required) c. Contractor is to mention/ verify the testing facility being utilized for calibration of gauges.
11. EDC	30 days
12. Warranty	One year warranty for leakages from associated fittings/ lines of gauges/ meters. Contractor is to rectify any leakage defect upon reporting of defect by ship staff
13. Acceptance Criteria (if any)	Upon completion of work and successful HATs & SATs
14. Any other relevant Information	Nil

IT NO : 29/10/2024-25

IT SPECIFICATIONS FOR CONDUCT OF ANNUAL PMS ROUTINE OF BOAT DAVIT – PMSS KOLACHI				
No.	Description			
1.	Parent Equipment	Boat Davit		
2.	Sub Equipment	Hydraulic unit		
3.	Assembly Equipment	a. Scavenge Filter b. Air Filter		
4.	Make	CSSC LUZHOU ZHENJIAN MARINE AUXILIARY MACHINERY CO., LTD		
5.	Model	LWYH25		
6.	Required Quantity	S.No	Part Number	Description
		a.	QYL-250X10FP	Scavenge Filter
		b.	EF4-50	Air Filter
				Quantity
				02
				02
7.	Justification	Availability of above mentioned items against PMS routine 1-5602-0001-0002		
8.	Detailed scope of work	Replacement of Scavenge Filter and Air Filter as per PMS routine 1-5602-0001-0002		
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)	a. OEM Certified item b. Technical specifications should be mentioned c. Upon scrutiny of items and provided documents along with production certificate by OEM		

IT NO : 29/11/2024-25

IT SPECIFICATION OF 02 X HIGH PRESSURE AIR COMPRESSOR – PMSS DASHT				
No.	Description			
1.	Parent Equipment	High Pressure Air System		
2.	Sub-equipment	HPACs		
3.	Assembly equip	HPACs NO -01 & 02		
4.	Make	BAUER	5. Model	115.1-11-5
6.	Quantity	02	7. Justification (i.e PMS/Routines	PMS routines (PMS No 3-3101-0001 against (MDP-PM-003, 004, 005, 006, 007))
8.	Work record/ Defect	Conduct of PMS Routines of 02 X High pressure Air Compressor No-01 & 02		
9.	Detailed scope of work	<ul style="list-style-type: none"> a. Inspection/ replacement of defective electrical appliances in the electrical control box/ panel b. Inspection of defective B-KOOL Units and overhauling/ defect rectification of the systems. c. Replacement of Air inlet filters and core, P61 filter elements and core, Dust Filters and oil water separator filters and core. d. Replacement of condensate separators. e. Provision of 4th stage piston assembly. f. Provision of AC Contactor, thermal relay, Temp control switch and liquid level relay g. Replacement of lubricating oil and oil filter cartridges h. Repair/ replacement of condensate drain valves and check function i. Change/ replacement V belts and check ball pulley j. Replacement of O-rings and seals with new. k. Overhauling/ Testing of Hydraulic/ pressure hoses, relief valves, safety valves, NRVs/ PMVs, sensors and safeties, replaced (if required). l. Corroded/ damaged bolts and nuts to be replaced with new SS bolts and nuts. m. Replacement/ Provision of Oil Corona S2 P-100 for 02 x HPACs for SAT ops n. All gauges to be calibrated and ISO certified by the firm o. All in way accessories removal and Re-installation will be by the firm. p. Providing of all new spare parts (OEM specified only) is responsibility of the firm. q. Only OEM recommended spares/ components are to be used by the firm. r. Any growth work during conduct of routines will be sole responsibility of the contractor. 		
10.	Technical specs	As per OEM Manual/ Specs		
11.	Eligibility criteria	Reputable local contractor/ OEM having working experience of HPACs		
12.	EDC	10 days		
13.	Warranty	01 year warranty for satisfactory operation of High Pressure Air Compressor And provision of ISO pressure/ testing certificates.		
14.	Acceptance criteria	<ul style="list-style-type: none"> a. The firm must have experience to carried out work on HPAC system. b. Satisfactory and smooth operation without High vibration and noise. c. Satisfactory operation without any leakage. 		
15.	Any other information	<ul style="list-style-type: none"> d. Carried out functional test and provided test certificate and stickers. e. Complete work to be undertaken by authorized OEM/ local vendors only. f. Successful HATs and SATs with reps of firm onboard. g. SS satisfaction on operation of HPACs. a. Damage/ defect and safety of system and men during work is responsibility of firm/ contractor. b. Dismantling/ assembling/ installation and in-way removal work is responsibility of contractor. c. Contact SS for further query and details. 		

**IT SPECIFICATION FOR REPAIR OF AUTOPILOT MODULE OF STEERING SYSTEM
PMSS BASOL**

S No	Description	
1.	Parent Eqpt	Steering System
2.	Sub Eqpt	Master Operational Console
3.	Assembly Comp	Autopilot Module
4.	Make	Wuhan Maidekang Equipment Company Limited, China
5.	Model	AUTOPILOT MKD- J01-05
6.	Qty	01
7.	Justification	Boot-up failure of Autopilot Module
8.	Work Req/ Defect	Repair of Autopilot Module
9.	Detailed Scope of Work	<p>a. Complete health assessment of Steering Control System.</p> <p>b. Repair/ replacement of all defective hardware components of Autopilot Module and its associated components.</p> <p>c. Software programming of all components related to Autopilot Module.</p> <p>d. All tools and test equipment or any spares required to conduct said scope of work will be arranged by firm/ contractor.</p> <p>e. System will be pre checked before start of work.</p> <p>f. Autopilot control box must receive and display information (where applicable) regarding ship's course, speed, position, gyro and magnetic compass heading, etc.</p>
10.	Technical Specs	As per OEM Manual/ Specs
11.	Eligibilities	Reputable OEM/ local contractor having working experience on steering system of MPVs
12.	EDC	05 x Days
13.	Warranty	<p>a. One Year warranty after satisfactory test/ trials.</p> <p>b. Any error in software or hardware component within warranty period will be rectified by firm.</p> <p>c. Firm will be solely responsible for defect rectification of the system and satisfactory operation of steering system.</p>
14.	Acceptance Criteria	<p>a. OEM Certified spares be used.</p> <p>b. Synchronization and correct rudder angle indication with autopilot.</p> <p>c. Satisfactory operation of steering system with all associated components and integration of autopilot module with</p>
15.	Any other information	<p>system.</p> <p>Firm must visit onboard for clear understanding of scope of work.</p>

IT SPECIFICATION FOR OVERHAULING OF 06 X OIL ELEVATION PUMPS AND 01 X OIL SLUDGE PUMP- PMSS DASHI

S.No.	Description										
1.	Parent Equipment	Fuel System									
2.	Sub-equipment	Oil Elevation Pumps									
3.	Assembly equipment	Oil Pumps and Oil Sludge Pump									
4.	Make	Haibei Hengsheng Pump									
		Model K55-01 and G35-1-00 (1.5 kw)									
6.	Quantity	07 x pumps									
		7 Justification PMS routines: 3-4312-PMS/Failure/PWT 0001 to 004/ PM011									
8.	Work required/ Defect	Overhauling of 07 x pumps									
9.	Detailed scope of work	Complete overhauling of following 07 x pumps									
		<table border="1"> <thead> <tr> <th>S.No.</th> <th>Pump</th> <th>Type/Model</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>06 x Oil Elevation Pumps (gear type)</td> <td>K55-01 (1.5 kw)</td> </tr> <tr> <td>b</td> <td>01 x Oil Sludge Pump (helical rotor pump)</td> <td>G35-1-00 (1.5 kw)</td> </tr> </tbody> </table>	S.No.	Pump	Type/Model	a	06 x Oil Elevation Pumps (gear type)	K55-01 (1.5 kw)	b	01 x Oil Sludge Pump (helical rotor pump)	G35-1-00 (1.5 kw)
S.No.	Pump	Type/Model									
a	06 x Oil Elevation Pumps (gear type)	K55-01 (1.5 kw)									
b	01 x Oil Sludge Pump (helical rotor pump)	G35-1-00 (1.5 kw)									
		(a) Replacement of worn-out/ defective mechanical seals, gears, pressure plates, belts and bearings with new. (b) Inspect/ replace external safety valves, belts pulley and belt guards (if required) (c) OEM recommended Parts to be used having valid shelf life. (d) Precise alignment of pumps with motors. (e) Inspection/ repair of pumps/ motors bases and frames. (f) Pump/ in way assembly removal and Re-installation (g) Replace defective solenoid valve. (h) All spares, tools and test equipment are to be arranged by the firm (j) Any growth work/ damage will be soul responsibility of the firm (k) All suction and discharge gauges to be calibrated and certified by the firm, replaced (if required) (l) Provision of spare bearings (6206/ 3306/ 6306), belts, and mechanical seals for all pumps (m) Inspect/ replaced all defective electrical cut in/ cut out switches on electrical control panel (n) All suction and discharge valves to be overhauled and replaced (if required) (p) All suction and discharge lines to be repaired/ replaced (if required) (q) Inspect/ repair/ replace pump degraded body and casing (if needed)									
10.	Technical specs	As per OEM Manual/ Specs									
11.	Eligibility criteria	a) Reputable local contractor/ OEM having working experience of overhauling of Gear Pump and Helical Rotor pumps. b) Firm must visit site for understanding exact nature of work.									
12.	EDC	07 x Days									
13.	Warranty	01 year warranty for satisfactory operation of mentioned pumps w.r.t a. Any leakage from pump / mechanical seal. b. Increased vibration/ noise/ hard to rotate (drawing extra current). c. Decreased/ low discharge pressure. d. Pitting/ Erosion in Pump body and Parts.									

14.	Acceptance criteria	a. Satisfactory discharge pressure of pumps. b. Satisfactory smooth operation without high vibration, current and noise. c. Satisfactory operation without leakage. d. Precise alignment, impeller should be free to rotate. e. Satisfactory operation of gauge after installation of gauge lines and adapters (Replace with new if worn out). f. Spare mechanical seals/ bearings/ belts be provided by the firm to deal with any eventuality/ emergency.
15.	Any other information	Damage/ defect to system during work is responsibility of contractor

IT NO : 29/14/2024-25**IT SPECIFICATIONS OF PTZ CAMERA – CCTV SYSTEM PMSS BASOL**

S No	Description	
1.	Parent equipment	CCTV System
2.	Sub-equipment	Network high definition integrated PTZ camera.
3.	Assembly Component	Control PCB
4.	Make	HIKVISION
5.	Model	DS-2DY9185-A12
6.	Quantity	01
7.	Justification i.e PMS/ Failure/ FWT	Camera feed not available on system display due to defective control PCB of camera.
8.	Work Required/ Defect	Replacement of PTZ camera for satisfactory operation.
9.	Detailed Scope of Work	Replacement of PTZ Camera and satisfactory operation of CCTV System.
10.	Technical Specs	As per OEM Manual.
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.
14.	Acceptance Criteria	a. Only OEM certified item will 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 NO : 29/15/2024-25**IT SPECIFICATION FOR REPAIR/ REPLACEMENT OF OUTPUT CIRCUIT BREAKER OF SFC – PMSS SABQAT**

1.	Parent Equipment	Frequency Converter
2.	Sub Equipment	Output Circuit Breaker with UV Safeties of SFC
3.	Assembly Component	-
4.	Make	FUJII/ Schinider/ Merlin Gray
5.	Model	BW250/ 250A/200A or equivalent
6.	Qty	02 in Nos
7.	Justification i.e PMS/Failure/ F.W.T etc	Repair/ Replacement of output circuit breaker with UVT and UVR
8.	Work required/ defect	Remove defective circuit breaker from system and install new circuit breaker
9.	Detailed scope of work	Satisfactory operation trial carried out
10.	Technical Specification	Input Supply 440V 60Hz 250A/200A
11.	Eligibilities	i. The firm should visit onboard and carry out inspection to establish the extent of required work. ii. The firm should have experience of the same kind of work. iii. The firm should be NTNGST registered.
12.	EDC	07 working days
13.	Warranty	01 year
14.	Acceptance Criteria (if any)	Satisfactory Operation by SS
15.	Any other relevant information	NA

IT NO : 29/16/2024-25

IT SPEC FOR REPAIR/ MAINTENANCE OF PRIMARY EXHAUST BELLOW OF ASME AND APME -PMSS BARKAT	
17. Ship's Name	PMSS BARKAT
18. Parent Equipment/ System	Main Engine (MTU)
19. Sub Equipment/ system	Engine Exhaust System
20. Assembly/Equipment	Exhaust bellows
21. Make	MTU
22. Model	18V396 TB-93
23. Qty	06 (03 x APME and 03 x ASME)
24. Justification	Bellows observed deteriorated and required to be repaired/ replaced for sat ops.
25. Work Required	Repair/ replacement of exhaust bellows
26. Detailed Scope of Work	<ul style="list-style-type: none"> a. Dismantle exhaust bellows from ASME & APME b. Inspect the bellows and repair/ replace if required c. Clean sealing surface of bellows and install d. Apply new lagging and cladding e. New clamps to be installed f. New gasket, New exhausts links, nuts and bolts (Stainless steel) to be used for installation g. The firm will be arranged all spares, tools, accessories etc. required for said job. h. The firm will be responsible for any damage, defect and wear tear occur during the removal and installation. i. The firm will be responsible for requirement of external services and removal of all associated accessories. k. The firm will be responsible for removal, repair and installation work as per standard SOPs/ OEM Manual.
27. Technical Specs	Stainless steel bellow (Flexible) 04 x dia 4 inch 02 x dia 6 inch
28. Eligibilities	<ul style="list-style-type: none"> a. The firm must visit onboard and carry out diagnostic inspections to establish the extent of required work. b. The Firm must have experience of same kind of work. c. The firm should be NTN /GST registered
29. EDC	10 x working days after issuance of work order
30. Warranty	01 Year
31. Acceptance criteria	<ul style="list-style-type: none"> a. Satisfactory work done by the firm as per IT Specs. b. No exhaust leakage from bellows upto 1400 ERPMs
32. Any other Information	

IT NO : 29/17/2024-25

IT SPECIFICATION FOR REPAIR /REPLACEMENT OF 03 x 1 KVA UPS FOR PCs - PMSS NUSRAT	
S No	IT Specification
1.	Parent Equipment/ System Office Machinery (i.e. 03 x PCs)
2.	Sub Equipment/ system 1 KVA UPS
3.	Assembly/Equipment 1 KVA UPS
4.	Make APC
5.	Model APC Smart – Easy UPS BV 1000VA, AVR, Universal Outlet, 230V, BV1000I-MSX
6.	Qty 03
7.	Justification Backup supply of office machinery is critically required.
8.	Work Required Repair /Replacement of 03 x 1 KVA UPS
9.	Detailed Scope of Works Installation and STW of PCs backup supply
10.	Technical Spec APC Smart – Easy UPS BV 1000VA SRT3000XLI, 230V, BV1000I-MSX: <ul style="list-style-type: none"> a. Max Power 600W/ 1KVA b. Output Frequency 50/60 Hz +/- 1 (Hz Sync to Main) c. Input voltage: 170 – 260V d. Operating Temperature: 0 - 40C e. Including battery bank with UPS f. Min backup is 30 minutes and max is 2 hours
11.	Eligibilities <ul style="list-style-type: none"> a. As per TSR b. The firm should visit onboard and assess the extent of required work. c. The firm should be having good experience in repair/maintenance of such system/ equipment. d. 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 : 29/18/2024-25

IT SPECIFICATION FOR REPAIR/ REPLACEMENT OF SMOKE DETECTOR, HEAT DETECTOR, OPTICAL SMOKE DETECTOR AND MANUAL CALL POINT - PMSS DASHT			
S No	Description		
1	Parent Equipment	Fire Alarm System	
2	Origin	China	
3	Make	Synco ASM	
4	Model	S0181M2	
5	Make	-	
6	Quantity/ Item Details	Part No.	Description Qty
		58000-400	Heat Detector 03
		ORB-OP-52028-APO	Optical smoke Detector 01
		58000-600	Smoke Detector 04
		58100-971	Manual Call Point 06
7	Justification (e.g. PMS/ Failure/ FWT)	PWT	
8	Work Required/ Defect	Smoke Detector, Heat Detector, Optical Smoke Detector and Manual Call point are malfunctioning.	
9	Scope of work	a. Replacement of all detectors through trained technicians b. Functional replacement can be undertaken for non-available/ obsolete component c. Onboard test/ trials to be conducted after replacement. d. Spare(s)/ components required for repair work will be arranged by contractor. e. Contractor may inspect switching power supply/ module through onboard visit f. Any growth work during replacement will be borne by the contractor. Ship will not provide any spare part/ additional amount in case of growth work. g. Any damage to the system during onboard testing of switching power supply will be borne by contractor.	
10	Technical specs (if any)	As per OEM manual/ Specs	
11	Eligibility Criteria	Suitable contractor having working experience on Electronics/ Electrical equipments with PMSA.	
12	EDC	2 weeks	
13	Warranty	One year service and components warranty after successful trials	
14	Acceptance Criteria	a. Onboard successful test and trials onboard ship b. Certified spares to be used for avoiding damage to ship systems	
15	Any other relevant information	SS may be contacted for any further query/ requirement.	

IT NO : 29/19/2024-25

SPECIFICATIONS - REPAIR OF OILY WATER SEPARATOR UNIT; PMSS CASHMIR			
1	Parent Equipment	Oily and Water Separator	
2	Sub Equipment	Bilge Water Separator	
3	Assembly Component	Dosing Pump, Motor, OMD-24 sensor	
4	Make	Dongfang Marine Fitting Co. Ltd.	
5	Model	YMC-050	
6	Quantity	01	
7	Justification	FWT	
8	Work Required/ Defect	Repair/ overhauling Oily water separator unit	
9	Detailed scope of work	a. Maintenance / servicing of 1 st , 2 nd and 3 rd stage separator. b. Repair/ overhauling of Dosing pump alongwith motor. c. Servicing and calibration of OMD-24 oil content meter. d. Servicing of pneumatic valve e. Spares (if any) will be provided by firm f. Any growth work will be bear by firm	
10	Technical specs	As per TPI 5-3412-450-001	
11	Eligibility Criteria	a. Have experience to work for ships (preferably PMSA ships) b. Company must be certified with HQ PMSA c. Company must be Income and Sales tax registered. d. Company must have good experience of repairing of mechanical parts	
12	EDC/ EDD	10 Days after award of Work Order	
13	Warranty	01 year	
14	Acceptance Criteria	Satisfactory trials of system as per IMO standard for 10 days	
15	Any Other Relevant Information	SS contact MEO (0321-3000503)	

IT NO : 29/20/2024-25

IT SPECIFICATION FOR PROCUREMENT OF STBD AND PORT MDEs REDUCTION GEARBOX LUBE OIL COOLERS- PMSS RAFAQAT& SABQAT		
1.	Parent Equipment	Main propulsion (Stbd & port)
2.	Sub Equipment	Reduction gearbox (Stbd & port)
3.	Assembly Component	Lube oil coolers
4.	Make	ZF Germany/ ZF-750 BW
5.	Model	ZF-750 BW
6.	Qty	04
7.	Justification i.e. PMS/ PMSA/ PWT etc.	Stbd & port gearbox lube oil level observed decreasing during normal operation at sea and observed abnormal noise.
8.	Work Required/Defect	procurement of Stbd & port gearbox coolers
9.	Detailed scope of work	Procurement of Stbd & port MDEs Reduction gearbox coolers should under terminal job. <ul style="list-style-type: none"> i. Removes from Stbd & port MDEs Reduction gearbox. ii. Pressure test the coolers at 15 to 20 bar. iii. Install new zinc anodes in lube oil coolers iv. Install the new coolers with new O-rings and gasket. v. Purge system leak free. vi. All material, spares, tools, special equipment/ tools, accessories etc required for said work are to be arranged by the contractor. vii. Any damage occurs during the course of removal and installation work will be done by firm without any liability/responsibility on part of the ship/PMSA viii. Requirement of external services, if any will be responsibility of the firm without any liability on the part of ship. ix. Repair defective items are same hand over to SS.
10.	Technical specification	As per OEM manual
11.	Eligibility Criteria	<ul style="list-style-type: none"> i. The firm should visit onboard and carry out inspection to establish the extent of required work. ii. The firm should have experience of the same kind of work. iii. The firm should be NTN/GST registered.
12.	EDC	07 days
13.	Warranty	1 year after installation
14.	Acceptance Criteria	<ul style="list-style-type: none"> i. OEM certified material ii. Leakage free iii. Satisfactory running trials at harbor and sea
15.	Any other relevant information	Nil

IT NO : 29/21/2024-25

IT SPECIFICATION: REPAIR/MAINTENANCE OF FLOOD LIGHTS, LIGHT POLE & CABLE FOR PMSA BASE RISHAD PASNI			
S No	Item/ System	Items/ Description	Quantity
		Repair/Maintenance of Flood Lights	16 in No
		Repair/Maintenance of Light Pole	16 (25 Ft SS/GL Pole)
		Repair/Maintenance of Cable	1000 meters double sleeve Double core 6mm ² Pakistan Cables Copper 100 % (220/500V)
		Repair/Maintenance of Cable Accessories	05 x Breakers (20 Amp) 10 x Breaker (10 Amp) Cable Hook 10 dozens Insulation Tape 20 in No
1.	Company Name	PHILIPS/ OSAKA with 04 x years Warranty	
2.	Make	Taiwan	
3.	Color	Silver or Black	
	NSN	Nil	
5.	Technical Manual	Nil	
6.	Technical Specification (if any)	<ul style="list-style-type: none"> > IP 66/67 (Marine Explosion Proof Light cool white of 5K) > Power output 200W Luminous Flux > Lumens 40000-50000 > Life 50000 Hours > Philips/ Osaka > 220 – 500 V > Poles – 16 x SS Poles of 25 Feet Each (Installation on ground in concrete) > Connectivity is required to facilitate 30KVA DG in case of power failure with protection of reverse and overcurrent system POLES FITTING with nut bolted and fitting on cemented base 	
7.	Scope of Work	Repair/Maintenance of Flood Light, Pole and cable with accessories required in PMSA BASE RISHAD Towers for security purpose.	
8.	Eligibility	Registered Firm / Contractor with PMSA	
9.	EDC	30 Days	
10.	Warranty	04 x Years	
11.	Acceptance Criteria	Test Trial by Base Staff	
12.	Any other relevant information	Item will only be accepted after satisfactory test/ trials by Base Staff POC Lt Abdullah Khan PN 0333-2093321	
13.	Term of Payment	100% payment on completion of work and satisfactorily by Base Staff	
14.	Delivery	Supplier Firm will be responsible for item delivery and installation at PMSA BASE RISHAD PASNI	

IT NO : 29/22/2024-25

**ITEM SPECIFICATIONS FOR FABRICATION OF FLAGS
FOR PMSS DASHT - HQ PMSA**

DESCRIPTION	SPECIFICATIONS
Items	1. Table Flags with stand (Pakistan, Iran, Iraq) 2. Additional Flags 3. Ceremonial Dressing Lines
Origin	Pakistan
Make/ Model	As per sample
Scope of work	Provision and fabrication of undermentioned items
EDD	07 days
Warranty/ Validity	As work is being conducted through supplier therefore in case of any havoc, supplier will be responsible for expenses.
Acceptance	Inspection by end user
Any relevant information	* In case any query please contact 58942, 0302-4375292.

ITEMS DETAILS

S.No	Description	Size	Qty
Country Flags			
a	Table Flags with stand Pakistan, Iraq, Iran	Table stand size	02 Each
Additional Flags			
b	Commodore Board Pennant		01
c	Commissioning Pennant	4 BD	02
d	Alphabetic Flags: A, F, J, L, R, S, Y, Z	As per Standard	01 Each
e	Special Flags Formation, Squadron, Station, Speed.		
f	Numeric Flags Five, Seven		
g	Pennant Flags Five, Seven, Nine		
Dressing Line			
h	Length of dressing line	36 Meter (Fore down) 36 Meter (Main down)	01
j	Size of Flags	Size 6	

IT NO : 29/23/2024-25

**IT SPECIFICATION FOR REPAIR/ REPLACEMENT OF ISAT DOCK-2 MARINE
PMSS RAPAQAT**

1	Parent Equipment	Inmarsat ISAT Dock-2 Phone
2	Sub Equipment	ISAT Dock-2 Base Station
3	Assembly Component	
4	Make	SPAIN
5	Model	ISAT DOCK-2 Marine
6	Qty	01
7	Justification i.e. PMS, Federal, FWT etc.	Fitted to charge and provide signal to Inmarsat Phone.
8	Work Required/Defect	Repair/ replacement of ISAT Dock-2 Base Station
9	Detailed scope of work	Repair/ replacement of ISAT Dock-2 Base Station include under mentioned jobs. a. Removal of ISAT Dock-2 Base Station from ship. b. Repair/ replacement ISAT Dock-2 Base Station. c. Replacement of defective components. d. Installation of repaired ISAT Dock-2 Base Station onboard. e. All material, spares, tools, scope equipment, joints, accessories etc. required for said work are to be arranged by the firm. f. Requirement of external services, if any will be responsibility of the firm without any liability on the part of ship.
10	Technical specification	AVC Adapter 11F 100-240 V 15A CUP 15 V
11	Eligibility Criteria	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 M/INCO/ST registered.
12	EDC	15 days
13	Warranty	01 Year
14	Acceptance Criteria	Satisfactory operation of ISAT Dock-2 Marine Phone at Harbour and sea.
15	Any other relevant information	Nil

IT NO : 29/24/2024-25

TECHNICAL SPECIFICATIONS - REPAIR OF FOOD DISPOSAL AND SOLID WASTE DISPOSAL UNIT: PMSS KASHMIR

1. Parent Equipment	DISPOSAL UNITS
2. Sub Equipment	Food & Solid Waste Disposal Units
3. Assembly Component	Misc
4. Make	SHANGHAI HUIKAI MARINE CO. LTD
5. Model	a. WY-G600 b. GZ-W60
6. Quantity	02
7. Justification	FWT
8. Work Required/ Defect	Repair/ overhauling of food disposal and solid waste treatment plant
9. Detailed scope of work	a. Dismantling, servicing and installation of crushing system b. Replacement of small crushing knife (Part no: WY-0005-07-02) c. Repair of compression and sterilization system d. Servicing of electric control box and control system of food disposal unit e. Repair/ overhauling of steam and water separator f. Repair/ replacement of sea and fresh water piping of system g. Repair of PLC display h. Any growth work will be bear by firm i. Spares (if required) will be provided
10. Technical specs	As per TPI 5-3414-450-001 5-3413-450-001
11. Eligibility Criteria	a. Have experience to work for ships (preferably PMSA ships) b. Company must be certified with HQ PMSA c. Company must be Income and Sales tax registered d. Company must have good experience of repairing of mechanical parts
12. EDC/ EDD	10 Days after award of Work Order
13. Warranty	01 year
14. Acceptance Criteria	Satisfactory trials of both system for 10 days
15. Any Other Relevant Information	SS contact MEO (0321-3000503)

IT NO : 29/25/2024-25

SO(IT & CYS)

TECHNICAL SPECIFICATION FOR REPAIR THROUGH REPLACEMENT OF UPS & BATTERIES (UPS MZ 3 KVA & 80 AH BATTERIES)

Description	Electrical Power Supply
System	Pakistan/ China
Origin	MZ
Make	MZ
Technical Specs	MZ 3KV pure sine wave 24 Volt with builtin AVR Qty. 01
Scope of Work	02x Batteries 12 Volt 80 AH. Repair through replacement / installation of UPS with 02x Batteries at Conference room.
Eligibility	Register Contractor/ Supplier
Warranty	01 x Year
EDC	15 x Days
Acceptance criteria	Correct operation as per end user satisfaction

IT SPECIFICATIONS- FABRICATION OF RADIATOR - PMSS HINGOL

S No	Description	
1	Parent Equipment	GENSET NO 3
2	Sub Equipment	Cooling System
3	Assembly Component	Radiator
4	Model	C9Z05163
5	Make	Caterpillar C9 Marine GENSETS
6	Quantity/Item Details	01 x Radiator as per Measurements
7	Justification	Degraded condition of radiator due fare wear and tear
8	Work required/Defect	Fabrication of Radiator
9	Scope of work	a. Removal of upper and lower body of radiator by the firm b. Removal of frame, accessories and radiator core c. Fabrication of upper body, lower body and radiator core, followed by pressure testing at 6 bar d. Assembling of radiator core and accessories with new SS nuts and bolts e. Installation of radiator along with coolant followed by Installation of Fan cover f. Servicing and paint renewal of radiator after 6 months of installation
10.	Eligibility Criteria	a. Any registered and security wise cleared local contractor who has working experience of C9 Caterpillar GENSET b. Firm must visit site for understanding the exact nature of defect/hindrances involved in job prior quoting to avoid inconvenience on later stage after award of Work Order.
11.	EDC	07 Days
12.	Warranty	1 Year
13.	Acceptance Criteria	Satisfactory Test/ Trials of radiator without any leakage at least 80% load up to 24 hours. Temperature to be monitored within standard limit upto 80% load
14.	Any Other Relevant Information	Nil

IT NO : 29/27/2024-25
PMSS NUSRAT

IT SPECIFICATION FOR REPAIR OF SPLIT ACs

16

S No	IT Specifications	
1.	Parent Equipment	Split ACs
2.	Sub Equipment	AC Inner Unit and Outer Unit
3.	Assembly Component	Compressor, Fan and Condenser
4.	Make	Haier
5.	Model	Nil
6.	Qty	02
7.	Justification Le PMS/ Failure/ FWT etc	FWT
8.	Work Required/ Defect	Repair work of Split ACs
9.	Detailed Scope of work	<p>Scope of work is as under:</p> <p>a. Repair of 02 x Split ACs include following works:</p> <ol style="list-style-type: none"> (1) Check leakage in inner and outer unit of 02 x Split ACs (2) Brazing work required on leakages (3) Repair/ replacement of inner / outer coil if required (4) Repair / replacement of card fitted in inner units (5) Repair / replacement of U-bands (6) Repair / replacement of compressor (7) Replacement of defective capacitors (8) Gas is to be provided by firm (9) Inner and outer unit coils and fins must be protected with corrosion resistance coating (10) Repair / replacement of all defective motors (11) Repair / replacement of supply breaker with cover (12) Standard wiring is required where necessary (13) Standard marking of all cables/ connections are to be required <p>b. The firm will be responsible for removal/ installation of Split ACs with all associated accessories/ fitting</p> <p>c. The firm will arrange all spares, tools and accessories etc required for the same work</p> <p>d. The firm will be responsible for welding/ cutting work if required</p> <p>e. The firm will be responsible for requirement of external services.</p>
		<p>f. The firm will be responsible for removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work</p> <p>g. The firm will be responsible for any damage, defect and wear tear occur during the course of removal, repair and installation of system/ equipment will be repaired</p>
10.	Technical Specs	Split ACs 1.5 ton capacity and Supply breaker 32 Ampere
11.	Eligibility Criteria	<p>a. The firm should visit onboard and carry out inspection to establish the extent of required work</p> <p>b. The firm should having good experience of the same kind work required onboard</p> <p>c. The firm should be NTN/ GST registered</p>
12.	EDC	15 days after issuance of work/ confirmation order
13.	Warranty	01 Year
14.	Acceptance Criteria	Said Split ACs are to be fully operational and maintain comfort zone for office equipment/ control system sensors fitted onboard
15.	Any other relevant informat	Standard equipment is to be repaired

IT NO : 29/28/2024-25**IT SPECIFICATION FOR REPAIR/ REPLACEMENT OF MOTORIZED BREAKER (SSDGs) – PMSS REHMAT**

S No	Specification	Remarks
1	Parent Equipment	Power Generation and Distribution
2	Sub Equipment	Switchboard
3	Assembly Components	03 x Motorized breaker
4	Make	Schneider
5	Model	MT-630 (Motor mechanism compact)
6	Quantity	03
7	Justification i.e PMS/ Failure/ FWT etc	03 x motorized breakers observed malfunctioning during operation due to FWT.
8	Work required/ Defect	03 x motorized breaker to be replaced with new one for safe operation of SSDGs
9	Technical Specification	a. MT-630 b. 380VAC Main supply c. 50Hz d. 3 Phase d. 220V-240VAC e. 24VDC control supply UVR f. 500-600 Ampere
10	Detailed scope of work	Following work is required to be undertaken for repair/ replacement of motorized breaker: a. 03 x motorized breaker as per specification to be replaced. b. All control wiring to be checked/ inspected / replaced. c. Installation of rectifier unit alongwith transformer for 220VAC to 24VDC to be ensured. d. COC for OEM (Schneider) to be ensured. e. The firm should arrange spares, tools, accessories etc required for the said repair / maintenance work. f. Requirement of external services will be responsibility of the firm.
11	Eligibility Criteria	a. The firm must visit onboard and carry out diagnosis/ inspections to establish the extent of required procurement onboard corvettes. b. Income tax registered. c. Sales tax registered.
12	EDC	07 x Working days after issuance of work/ confirmation order
13	Warranty	01 Year

14	Acceptance criteria	a. MT-630 b. 380VAC Main supply c. 50Hz d. 3 Phase d. 220V-240VAC e. 24VDC control supply UVR f. 500-600 Ampere g. Satisfactory operation of equipment. h. Practical acceptance by SS
15	Any other relevant information	-

IT NO : 29/29/2024-25

D(MT)

IT SPECIFICATION COMERCIAL REPAIR CASE OF VEHICLE NO 080316 M5 ISUZU TRUCK																				
1.	SYSTEM	COMERCIAL REPAIR																		
2.	MAKE	ISUZU TRUCK																		
3.	MODEL	2008																		
4.	VEHICLE NO	080316 M5																		
5.	ITEM DESCRIPTION	Following items will be repair/replaced																		
		<table border="1"><thead><tr><th>S No</th><th>Work Description Repair/Replace</th></tr></thead><tbody><tr><td>a.</td><td>Clutch Plate</td></tr><tr><td>b.</td><td>Pressure Plate</td></tr><tr><td>c.</td><td>Clutch Cylinder(Upper & Lower)</td></tr><tr><td>d.</td><td>Break Service & Break Shoe</td></tr><tr><td>e.</td><td>Oil Wheel Greasing</td></tr><tr><td>f.</td><td>Salf & Generator Repair</td></tr><tr><td>g.</td><td>Radiator Replaced (Donao)</td></tr><tr><td>h.</td><td>Pump Atomizer & Nozzle Service</td></tr></tbody></table>	S No	Work Description Repair/Replace	a.	Clutch Plate	b.	Pressure Plate	c.	Clutch Cylinder(Upper & Lower)	d.	Break Service & Break Shoe	e.	Oil Wheel Greasing	f.	Salf & Generator Repair	g.	Radiator Replaced (Donao)	h.	Pump Atomizer & Nozzle Service
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9.	EDD	30 DAYS																		
10.	WARRANTY	WARRANTY 12 MONTHS																		
11.	ACCEPTANCE CRITERIA	STAGE INSPECTION BY END USER																		
12.	ANY OTHER RELEVANT INFORMATION	N/A																		

IT NO : 29/30/2024-25

D(MT)

IT SPECIFICATIN COMERCIAL REPAIR CASE - 080317 ISUZU TRUCK		
1.	SYSTEM	COMERCIAL REPAIR
2.	MAKE	ISUZU TRUCK
3.	MODEL	2008
4.	VEHICLE NO	080317 M5
5.	ITEM DESCRIPTION	Work Description
		a. Complete vehicle dent paint required Complete vehicle dent paint required
		b. Silencer Replaced with new
		c. Ignition Switch
		d. Break pressure system repair work
		e. Hydraulic system repair work
6.	TECHNICAL SPESIFICATINOS	MATERIAL AS PER EXISTING
7.	PRELIMINARY INVESTIGATION BY SHIP'S STAFF	D(MT) / MTO STAFF
8.	ELIGIBILITY	REGISTERED CONTRACTOR
9.	EDD	30 DAYS
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11.	ACCEPTANCE CRITERIA	STAGE INSPECTION BY END USER
12.	ANY OTHER RELEVANT INFORMATION	N/A

Note: 100% Payment after completion by CAN

Director General

Pakistan Maritime Security Agency

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KARACHI

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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 to 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:

S.NO	Description	Unit Price	Qty	Total	T/Price

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 Price
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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:

- 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.