

SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 23 X IT SPECIFICATIONS

IT NO : IT/17/01/2024-25

**INSTALLATION OF 01 X FLOODING, DRAINAGE AND VENTILATION ARRANGEMENTS IN
PYRO LOCKER-PMSS DASHT**

IT SPECIFICATION

S No	Description				
1.	Parent equipment	01 x Pyro locker			
2.	Sub-equipment	-----			
3.	Assembly Component	-----			
4.	Make	-----	5.	Model	-----
6.	Quantity	01 x locker			
7.	Justification i.e PMS/ Failure	Pre-requisite for CSN			
8.	Work Required/ Defect	Flooding, Drainage and Ventilation arrangements are required to be carried out for 01 x locker prior stowage of Pyros in future			
9.	Detailed Scope of Work	a. Flooding Arrangement: Pipe has to be fixed inside locker and it will be connected with nearest fire hose with locking arrangement. b. Drain Plug : Drain plug required at the bottom of locker with diameter 1.5" c. Ventilation Arrangement : Air ventilation (on top of locker 1.5" cylindrical pipe in outward direction)			
10.	Technical Specs	a. 1.5" diameter for flooding pipe b. 1.5" diameter for drain plug c. 1.5" cylindrical ventilation pipe			
11.	Eligibility Criteria	a. Installation by suitable/experienced firm. b. Satisfactory trails			
12.	EDC	02 week			
13.	Warranty	01 Year			
14.	Acceptance Criteria	Satisfactory trails regarding installation, flooding, drainage and ventilation arrangements			
15.	Any other information	Firms are requested to visit site before quoting for further information			

IT NO : IT/17/02/2024-25

INSTALLATION OF 01 X ITP/FEV & WATER TIGHT ARRANGEMENTS IN DOOR OF 30MM GUN MAGAZINE - PMSS DASHT

1.	Parent equipment	30mm Gun Magazine			
2.	Sub-equipment	a. ITP			
3.	Assembly Component	b. FEV			
		c. Water tight door			
4.	Make	-----	5.	Model	-----
6.	Quantity	01 x ITP 01 x FEV 01 x Water tight door	7.	Justification i.e PMS/ Failure	ORI observation
8.	Work Required/ Defect	01 x ITP/FEV and Water tight door are required to be installed on 30mm Gun Magazine			
9.	Detailed Scope of Work	a. Installation of ITP/FEV and water tight door b. Satisfactory system trials			
10.	Technical Specs	As per OEM manual			
11.	Eligibility Criteria	Reputable local contractor/ OEM local rep having working experience with PMSA and 6HT MPVs			
12.	EDC	10 Days			
13.	Warranty	01 Year after provision			
14.	Acceptance Criteria	a. Installation of quoted items is responsibility of contractor. b. Satisfactory onboard trials regarding ITP/FEV and water tight door integrity of magazine. c. Technical specifications to be provided by contractor. d. Upon scrutiny of item and provided documents i.e. technical specifications along with production certificates by OEM.			
15.	Any other information	Firms are requested to visit site before quoting for further information			

IT NO : IT/17/03/2024-25

REPAIR/ REPLACEMENT OF 01 X DVR OF CCTV CAMERA SYSTEM – PMSS REHMAT

S No	IT SPECIFICATIONS	
1.	Parent Equipment	CCTV Camera System
2.	Sub equipment	Digital Video Recorder
3.	Assembly component	-
4.	Make	Dahua / China/ Equivalent
5.	Model	DH-XVR1B04-I
6.	Quantity	01
7.	Justification i.e PMS/ Failure/FWT etc	DVR is critically required for safety and security of ship/ electric failure.
8.	Work Required/ Defect	Repair/ replacement of DVR of CCTV Camera System
9.	Scope of work	Following is scope of work: a. Repairs/ replacement of defective DVR b. Satisfactory operation of CCTV camera system
10.	Technical Specs (If any)	Ports: 08 Rated voltage:12 VDC 1.5A HDD: 1 TB
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	01 x Year warranty after installation.
14.	Acceptance Criteria (If any)	Onboard system trials after installation
15.	Any other relevant information	NA

IT SPECIFICATION FOR FABRICATION/INSTALLATION OF SEA WATER LINES AND VALVES IN MACHINERY SPACE – PMSS RAFAQAT

Parent equipment	Main air condition system
Sub Equipment	Main air condition sea water lines
Assembly component	Sea water suction and discharge lines
Make	USA
Model	Nil
Quantity	<ul style="list-style-type: none"> a. 50 Ft line b. 1 1/2" size bronze valve (pressure regulating) c. 02 x 1 1/2" size bronze valve d. 01 x overboard valve
Justification	Sea water lines and valves in machinery space leaky
Work required/Defect	Fabrication/installation of sea water lines and valves in machinery space.
Scope of work	<p>Fabrication/installation of sea water lines and valves in machinery space include under mentioned jobs.</p> <ul style="list-style-type: none"> i. Remove existing lines. ii. Fabricated the SS pipes as per sample along with the elbow tee and unions leaky in machinery space. iii. Re-install the fabricated pipes onboard with new joints. iv. Remove pressure regulating valve, condenser inlet & outlet valve & AC cooling pumps suction and discharge valves from the system of the ship. v. Overhaul/replace the valves. vi. Re-install pressure regulating valve, condenser inlet & outlet valve & AC cooling pumps suction and discharge valves with seals. vii. Prove system leak free. viii. All material, spares, tools, special equipment/ tools, accessories etc. required for said work are to be arranged by the contractor. ix. 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. x. Requirement of external services, if any will be responsibility of the firm without any liability on the part of ship.
Technical spec (if any)	<ul style="list-style-type: none"> a. SS 316L b. 1 1/2" size bronze valve (pressure regulating) c. 02 x 1 1/2" size bronze valve.
Eligibilities	<ul style="list-style-type: none"> a. Firm should be NTN/ GST registered. b. Reputable local contractor/OEM rep. c. The firm should visit onboard and carry out inspection to establish the extent of required item.
EDC	07 days
Warranty	1 year
Acceptance Criteria (If any)	<ul style="list-style-type: none"> a. Use SS 316L nonmagnetic material b. Successful installation as per requirement. c. Prove system leak free. d. Satisfactory trials.
Any other relevant information	NA

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IT SPECIFICATION FOR REPAIR/ MAINTENANCE OF HF TRANCEIVER MICOM-3T -PMSS

RAFAQAT

1	Parent Equipment	HF Tranceiver MICOM-3T
2	Sub Equipment	Transceiver & Display Unit
3	Assembly Component	-
4	Make	USA
5	Model	MICOM-3T
6	Qty	01
7	Justification i.e.PMS /Failure/ FWT etc	Failed to power ON
8	Work Required/Defect	Repair/ Maintenance of HF Tranceiver MICOM-3T
9	Detailed scope of work	Repair/ maintenance of HF Tranceiver MICOM-3T include under mentioned jobs. a. Removal of HF Tranceiver MICOM-3T from ship. b. Repair/ maintenance Transceiver and display unit. c. Replacement of defective components. d. Installation of repaired Transceiver and display unit onboard. e. All material, spares, tools, special equipment/ tools, 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	13.6 VDC
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 NTN/GST registered.
12	EDC	15 days
13	Warranty	01 Year
14	Acceptance Criteria	Satisfactory operation of Transceiver and display unit at harbor and sea
15	Any other relevant information	NA

IT NO : IT/17/06/2024-25

**IT SPECIFICATIONS - REPAIR/ MAINTENANCE OF MAIN RECTIFIER 24V DC –
PMSS REHMAT**

S No	Specification	Remarks
1.	Parent Equipment	Electricity Generation & Distribution System
2.	Sub Equipment	24V DC Rectifier
3.	Assembly Component	Transformers/ SCR Cards
4.	Make	China (Locally re- furbished)
5.	Model	24VDC (Bridge diode rectifier)
6.	Quantity	01 x Main rectifier
7.	Justification i.e PMS/ Failure/ FWT etc	Main rectifier is observed malfunctioning for stable 24V DC supply due FWT and failed to operate at auto/ manual mode.
8.	Work required/ Defect	Repair/ maintenance of transformers, SCR cards and diodes is considered mandatory for sat ops.
9.	Technical Specification	a. 01 x stepdown transformer for 380VAC to 220VAC b. 01 x stepdown transformer for 220VAC to 60VAC c. 01 x CT (current transformer) d. Conversion of 60VAC to 30-40 VDC.
10.	Scope of work required by repair agency	Following work is required to be undertaken for repair/ maintenance of main rectifier 24VDC: a. Repair/ maintenance of main rectifier with complete servicing to be carried out. b. 02 x transformer/ SCR card functional test to be verified/checked/repared for satisfactory operation. c. 01 x volt meter & 01 x ampere meter to be replaced. d. 08 x diodes are to be replaced for safe operation. e. 03 x breakers & 03 x relays with rated ampere values to be replaced. f. Repair/ renewal of wires, lugs, strips, indications, switches to be carried out. g. Rectifier operation at auto/ manual mode be ensured. h. All spares, special equipment/ tools, accessories etc. required for said repair/ maintenance are to be arranged by Firm. j. Any damage/ defect/ wear tear occur during course of removal, repair and installation of system/ equipment's will be repaired/ met by Firm. k. Requirement of external services (if required) is the responsibility of Firm.

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 corvettes. c. The firm should be NTN/ GST registered.
12.	EDC	15 x working days after issuance of work/ confirmation order
13.	Warranty	01 x year
14.	Acceptance criteria	a. 01 x stepdown transformer for 380VAC to 220VAC b. 01 x stepdown transformer for 220VAC to 60VAC c. 01 x CT (current transformer) d. Conversion of 60VAC to 30-40VDC. e. Satisfactory operation of equipment. f. Acceptance by SS
15.	Any other relevant information	-

IT NO : IT/17/07/2024-25

REPAIR/ MAINTENANCE OF MAIN RECTIFIER AT MCR-PMSS REHMAT

S No	Description	
1.	Parent equipment	30mm Gun
2.	Sub-equipment	-
3.	Assembly component	-
4.	Make	CHINA
5.	Model	CS/AN3
6.	Qty	01
7.	Justification i.e PMS/ Failure	Failure (Danger Zone indication continuously occurred .Training & elevation sensors and railing thoroughly cleaned) as error still persists. Moreover, no tactical data has been shown on display console.
8.	Technical Specs	As per OEM manual
9.	Work Required/ Defect	System diagnosis was carried out by SS & PND on servo system, Position control box and Display console. However, Display control PCB and Training & elevation sensor found suspected defective Same is required for SAT OPS.
10.	Detailed Scope of Work	Satisfactory working of 30 MM gun 1.Position Control Box 2 Servo System 3 Display Control PCB 4.Training & elevation sensor
11.	Eligibility Criteria	Reputable local contractor/ OEM local rep having working experience with PMSA and 6HT MPVs
12.	EDC	10 Days
13.	Warranty	01 Year after provision
14.	Acceptance Criteria	a. Satisfactory working of 30 MM Gun. b. Technical specifications to be provided by OEM/Contractor
15.	Any other information	Firms are requested to visit site before quoting for further information

IT NO : IT/17/08/2024-25

IT SPECIFICATION OF REFRIGERENT GAS R-410A – BMG

REFRIGERANT GAS R-410A	
Name of Gas	Refrigerant 410-A (Freon 410-A)
Packing weight (kg)	11.35 kg (Purity level 99.9%)
Country	Any
Specification	Refrigerant 410A
Required Quantity	204.3 kgs (18 x Gas Bottles)
EDD	15 Days
Acceptance Criteria	Items will be accepted after user inspection

IT NO : IT/17/09/2024-25

INTALLATION OF FLOODING, DRAINAGE AND VENTALATIO ARRANGEMENT IN PYRO LOCKERS – PMSS BASOL

1.	Parent equipment	02 x Pyro Lockers
2.	Quantity/ Item details	Flooding, drain and ventilation arrangements are required to be carried out for 02 x lockers prior stowage of lockers in future
3.	Justification	Pre- requisite for CSM
4.	Detailed Scope of Work	a. Flooding Arrangements: Pipe has to be fixed inside locker and it will be connected with nearest fire hose with locking arrangement b. Drain Plug: Drain plug required at the bottom of locker with diameter 1.5" c. Ventilation Arrangement: Air ventilation (on top of locker 1.5" cylindrical pipe in outward direction)
5.	Technical Specs	a. 1.5" diameter for flooding pipe b. 1.5" diameter for drain plug c. 1.5" Cylindrical air ventilation pipe
6.	Eligibility Criteria	a. Installation by suitable/ experienced firm b. Satisfactory trials
7.	EDC	02 x weeks
8.	Acceptance Criteria	Satisfactory trials regarding installation of flooding drainage and ventilation arrangements
9.	Any other information	Nil

IT NO : IT/17/10/2024-25

IT SPECIFICATION FOR PROCUREMENT OF OIL PAINT

PMSS REHMAT

S. NO	IT SPECIFICATIONS			
1.	System	Paint Finishing		
2.	Make & Model	Berger/Master/Nippon		
3.	Packing	04 Ltr Each		
4.	Patt No	-		
5.	Item Description	S No	Paint Description	Qty
		a.	Paint Finishing Signal Red	40
		b.	Paint finishing Royal Blue	20
		c.	Thinner For Paint	120
		d.	Paint Finishing Green	20
		e.	Paint Finishing White	250
		f.	Paint Light Grey	150
6.	Eligibility	Register Contractor		
7.	Technical specification	Flash point 32C° Standard OEM		
8.	Color	Above Mentioned		
9.	EDD	07Days after LPO		
10.	Warranty/Grantee	01 Year		
11.	Acceptance Criteria	Satisfactory Trial onboard		
12.	Any other Relevant Information	Nil		

IT NO : IT/17/11/2024-25

ITEM SPECIFICATIONS OF ACCESS CONTROL SYSTEM HQ PMSA COMPLEX

S.No	Description	Access Control System HQ PMSA		
		ITEMS	QTY	SPECIFICATION
1.		Access Control Machine (ZKTECO MB 460)	07	Face/finger RFID, Electric lock.
		Batteries	10	7 AMP, 12 VOLT (Kung Long)
		Glass Door	01	6 X 3.5", 10mm Rugged Glass Doors With Aluminum Frames Along With Closing Machine.
		Door Alignment	03	03x Glass Doors are required to proper Alignments Work Sat
2.	Eligibilities	All reputable GST registered firms/ contractors/ suppliers.		
3.	EDC	30 Days		
4.	Warranty	01 Year		
5.	Acceptance Criteria	Inspection by end user		
6.	Any Other Relevant Information	In case of any query, contact EXO PMSS INDUS 021-48505455		
7.	Terms Of Payment	100% After work Completion		

IT NO : IT/17/12/2024-25

IT SPECIFICATIONS FOR REPLACEMENT OF PRESSURE TRANSMITTER LIQUID LEVEL MEASURING DEVICE (SIDE MOUNTING) - PMSS DASHT

S No	Description			
1.	Parent Equipment	Liquid level telemetering system		
2.	Sub Equipment	Pressure Transmitter Liquid Level Measuring Device (side mounting)		
3.	Assembly Component	Pressure Transmitters		
4.	Model	0.6bar		
5.	Make	Shanghai Haixun Electromechanical Engineering Co., Ltd.		
6.	Quantity/Item Details	Part Number	Description	Required Quantity
		TTL6N2-A21 118006-HX	Pressure transmitter	04
7.	Justification	Replacement of defective Pressure Transmitters		
8.	Work required/Defect	a. Replacement of above mentioned item b. Satisfactory installation and trials onboard		
9.	Scope of work	Replacement of above mentioned item		
10.	Technical Specifications	INPUT – 24V DC OUTPUT – 04-20 m Amps Temp. -25°C to 70°C		
11.	Eligibility Criteria	Any registered and security wise cleared local contractor who has working experience onboard MPVs		
12.	EDC	01 x Week		
13.	Warranty	01 Year OEM Warranty		
14.	Acceptance Criteria	a. OEM certified item b. Technical Specifications to be provided c. Upon scrutiny of items and provided documents i.e. technical specifications along with production certificates by OEM d. Satisfactory trials onboard ship.		
15.	Any Other Relevant Information	Coordinate MEO/ SS		

**IT SPECIFICATIONS – PROCUREMENT & INSTALLATION OF SECURITY CAMERAS AT PM
BASE SADAQAT**

S No	Specification	Remarks	Qty
1.	Camera	PTZ Camera (4MP) DS-2DE4451W with complete accessories	04 In number
2.	DVR	Digital Video recorder 8 channel	01 In number
3.	Make	Hikvision (Preferable)/ Any Suitable	-
4.	Model	DS-2DE4451W	-
5.	Display	43" LED Display	01 in number
6.	HDD	HDD 4 TB 7200 24/7 operation surveillance grade	01 x number
7.	Network cable	Cable CAT-6	1500 meter (Approx)
8.	Power cable	AC power cable 2.5	1500 meter (Approx)
9.	Eligibility Criteria	Any local/ international registered firm with good reputation	-
10.	EDC	Max 01 x month from the date of contract	-
11.	Warranty	01 Year	-
12.	Acceptance Criteria	Inspection by end user successful installation of complete CCTV system and subsequent trials	-
13.	Any other relevant information	Installation	-

**IT SPECIFICATION FOR PARIAL OVERHAULING (TOH) OF SSDG-I
PMSS NUSRAT**

13

S No	IT Specifications	
1.	Parent Equipment	Power Generation & Distribution System
2.	Sub Equipment	SSDG-I
3.	Assembly Component	All components/ Parts of SSDG
4.	Make	Deutz (Germany)
5.	Model	MWM D234 V8
6.	Qty	01
7.	Justification i.e PMS/ Failure/ FWT etc	PMS (Partial overhaul/ TOH due)
8.	Work Required/ Defect	Partial Overhaul/ TOH
9.	Detailed Scope of work	<p>Scope of work is as under:</p> <ul style="list-style-type: none"> a. Overhaul 08 x cylinder heads. b. Check cylinder liners. c. Clean and check exhaust pipe, repair if required and renew lagging and cladding. d. Renew fuel injection lines. e. Check compression pressure. f. Check turbo charger bearing clearance, replace if required. g. Servicing, phasing and calibration of fuel injection pump. Replace meta steal coupling. h. Servicing and testing of fuel injectors, replace fuel injectors nozzles and fuel injection lines. i. Governor inspection/ set to work is to be carried out. k. Replace zinc anodes. l. Chemical cleaning and pressure testing of heat exchanger, lub oil cooler and intercooler is to be carried out. m. Replace air intake filters, lub oil and fuel filters. n. Inspection of fresh water and sea water pump to be carried out. Repaired, if required. p. Calibrate 05 x gauges at local control panel and provide calibration certificates, if defective replace with Marine version.
		<ul style="list-style-type: none"> q. All spares, tools, special equipment/ tools, accessories etc. required for said repair/ maintenance are to be arranged by Firm. r. Any damage/ defect/ wear tear occurs during course of removal, repair and installation of system/ equipment's will be repaired/ met by Firm. s. The firm will be responsible for requirement of external services. t. In case of replacement of parts, old parts are to be returned to end user for survey/ return to warehouse. u. The firm will be responsible for removal transportation and installation work during warranty/ guarantee period claims and in case of any re-work.
10.	Technical Specs	DEUTZ Manual.
11.	Eligibility Criteria	<ul style="list-style-type: none"> a. The firm should visit onboard and carry out inspection to establish the extent of required work. b. The firm should be having good experience of the same kind work required onboard. c. The firm should be NTN/ GST registered.
12.	EDC	03 weeks after issuance of work/ confirmation order.
13.	Warranty	01 Year
14.	Acceptance Criteria	<ul style="list-style-type: none"> a. SATs at full load for 04 hours. i.e <ul style="list-style-type: none"> (1) 30% load for ½ hr. (2) 50% load for ¼ hr. (3) 75% load for 1 hr. (4) 100% load for 4 hr. b. Acceptance by end user.
15.	Any other relevant information	Nil

**IT SPECIFICATION FOR REPAIR/ MAINTENANCE OF MAIN BROADCAST (1MC)
AMPLIFIER UNIT- PMSS RAFAQAT**

1/4

1	Parent Equipment	Main Broadcast (1MC)
2	Sub Equipment	Amplifier Unit
3	Assembly Component	-
4	Make	Dynalec USA
5	Model	AM-4578b/SIA
6	Qty	01
7	Justification i.e.PMS /Failure/ FWT etc	Failed to power ON
8	Work Required/Defect	Repair/ maintenance of Main Broad Cast (1MC) amplifier unit
9	Detailed scope of work	Repair/ maintenance of Main Broad Cast (1MC) amplifier unit include under mentioned jobs. a. Removal of 01 Main Broad Cast (1MC) amplifier unit from ship. b. Repair/ maintenance amplifier unit c. Replacement of defective components. d. Installation of repaired Amplifier unit onboard. e. All material, spares, tools, special equipment/ tools, 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	Input 110 VAC
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 NTN/GST registered.
12	EDC	10 days
13	Warranty	01 Year
14	Acceptance Criteria	Satisfactory operation of Main Broad Cast (1MC) amplifier unit
15	Any other relevant information	NA

**IT SPECIFICATION OF COMMERCIAL REPAIR MAINTENANCE WORK –
WATER BOWSER MS- 170328 PMSA BASE GWADAR**

S.No	Specification	Remarks																																													
1.	System	Commercial repair maintenance work of water bowser																																													
2.	Make																																														
3.	Items Description	<table border="1"><thead><tr><th>S.No</th><th>Description</th><th>Qty</th></tr></thead><tbody><tr><td>(1).</td><td>Break Stopper</td><td>01</td></tr><tr><td>(2).</td><td>Break Shoes</td><td>04</td></tr><tr><td>(3).</td><td>Speed Meter</td><td>01</td></tr><tr><td>(4).</td><td>Tank Service</td><td>01</td></tr><tr><td>(5).</td><td>Pump Service</td><td>01</td></tr><tr><td>(6).</td><td>Generator Frame</td><td>01</td></tr><tr><td>(7).</td><td>Valve Socket</td><td>04</td></tr><tr><td>(8).</td><td>Paint of water inner side</td><td>01</td></tr><tr><td>(9).</td><td>Seat cover</td><td>03</td></tr><tr><td>(10).</td><td>Mud Shied</td><td>04</td></tr><tr><td>(11).</td><td>Ignition Coil</td><td>04</td></tr><tr><td>(12).</td><td>PG Pipe</td><td>01</td></tr><tr><td>(13).</td><td>Connectors</td><td>04</td></tr><tr><td>(14).</td><td>Belts</td><td>02</td></tr></tbody></table>	S.No	Description	Qty	(1).	Break Stopper	01	(2).	Break Shoes	04	(3).	Speed Meter	01	(4).	Tank Service	01	(5).	Pump Service	01	(6).	Generator Frame	01	(7).	Valve Socket	04	(8).	Paint of water inner side	01	(9).	Seat cover	03	(10).	Mud Shied	04	(11).	Ignition Coil	04	(12).	PG Pipe	01	(13).	Connectors	04	(14).	Belts	02
S.No	Description	Qty																																													
(1).	Break Stopper	01																																													
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(11).	Ignition Coil	04																																													
(12).	PG Pipe	01																																													
(13).	Connectors	04																																													
(14).	Belts	02																																													
4.	Technical Specification	Materials as per existing																																													
5.	Preliminary investigation by Ship's Staff	MTO Staff																																													
6.	Eligibility	Registered Contractor																																													
7.	EDD	30 Days																																													
8.	Warranty	NA																																													
9.	Details scope of work	06 month for all replaced items																																													
10	Acceptance Criteria	Stage inspection by End User																																													
11	Any other information	Work is to be completed at PMSA Base Gwadar																																													

IT NO : IT/17/17/2024-25

**IT SPECIFICATIONS FOR OVERHAULING OF MARINE AIR HANDLING UNIT (AHU)
PMSS KOLACHI**

S No	Description				
1.	Parent Equipment	Air Conditioning System			
2.	Sub Equipment	Marine Air Handling Unit (AHU's)			
3.	Assembly Equipment	a. Wind mixing section b. Strainer section c. Air treatment section d. Fan supply section			
4.	Make	JIANGSU JOSUN AIR CONDITIONER CO. LTD			
5.	Model	AHU-01 TMU(W)-101 AHU-02 TMU(W)-101 AHU-03 TMU(W)-50 AHU-04 TMU(W)-90 AHU-05 TMU(W)- 23			
6.	Required Quantity	S.No	Part Number/Model	Description	Quantity
		a.	3110 PV 0020071	Bearing SKF-6208	5
		b.	3110 PV 0020072	Bearing SKF-6204	5
		c.	3110 PV 0020073	Bearing SKF-6206	5
7.	Justification	PMS No 3-6160-0000			
8.	Detailed scope of work	a. Cleaning/ Inspection of AHU's as per JIC No 3-6160 PM-10 b. Overhaul of Air Fan c. Pressure test cleaning of Heat Exchangers d. Replacement of Seals/ Gasket			
9.	Technical specifications	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 (0336-2490044)			

IT NO : IT/17/18/2024-25

**IT SPECIFICATIONS – PROCUREMENT OF SPIRAX D2 ATF S2 OBM ENGINE – PMSS
NAZIM/ FRBs**

1.	Ships Name	FRB			
2.	Parent equipment	300 & 90 HP OBM Engine			
3.	Quantity	50 Ltrs			
4.	Justification/ i.e PMS/ Failure/ FWT etc	Critical Requirement of ATF oil for PMS routine			
5.	Technical Specs	S#	Part number	NSN	Description
		a.	9150-17-107-6129	9150705052100	SHELL SPIRAX S2 ATF D2 (AUTOMATIC TRANSMISSION FLUID) UK STASCO SHELL
6.	Eligibility criteria	Any local/International Standard Company			
7.	EDC	15 days			
8.	Acceptance Criteria	Inspection by end user for international standard company			

IT SPECIFICATIONS FOR REPLACEMENT/FABRICATION OF VENTILATION DUCTS AND FANS - PMSS DASHT

S No	Description																																							
1.	Parent Equipment	Messes, Cabins and ASP																																						
2.	Sub Equipment	Exhaust and Ventilation																																						
3.	Assembly Equipment	Trunking and Fans																																						
4.	Make	China																																						
5.	Model	Chinese/ Locally Manufactured Marine Version																																						
6.	Justification	Deteriorated/ degraded (ageing factor) trunking																																						
7.	Work required	Fabrication and replacement of trunking and fans																																						
8.	Technical Specs	<p>Fabrication of ventilation ducts (aluminum material) with following dimensions:</p> <table border="1"> <thead> <tr> <th>Compartment</th> <th>Width x Height (Inches)</th> <th>Length (Feet)</th> <th>Duct Fan</th> </tr> </thead> <tbody> <tr> <td>CO's Cabin</td> <td>6 x 9</td> <td>16</td> <td>01</td> </tr> <tr> <td>J/R Mess 2 (Ops)</td> <td>8 x 6</td> <td>10</td> <td>01</td> </tr> <tr> <td>J/R Mess 3 (WE)</td> <td>8 x 6</td> <td>08</td> <td>01</td> </tr> <tr> <td>Wardroom</td> <td>6 x 8</td> <td>26</td> <td>01</td> </tr> <tr> <td>Galley</td> <td>8 x 6</td> <td>10</td> <td>02</td> </tr> </tbody> </table> <p>Installation of ^{06x} Ventilation Fans with following technical specifications are required:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Technical Specifications</th> </tr> </thead> <tbody> <tr> <td>Manufacture</td> <td>K Sileo</td> </tr> <tr> <td>Size</td> <td>160 XL</td> </tr> <tr> <td>Input</td> <td>230 V AC</td> </tr> <tr> <td>Frequency</td> <td>50/60 Hz</td> </tr> <tr> <td>Current</td> <td>0.45/ 0.60 A</td> </tr> <tr> <td>Power</td> <td>102/ 137 W</td> </tr> </tbody> </table>	Compartment	Width x Height (Inches)	Length (Feet)	Duct Fan	CO's Cabin	6 x 9	16	01	J/R Mess 2 (Ops)	8 x 6	10	01	J/R Mess 3 (WE)	8 x 6	08	01	Wardroom	6 x 8	26	01	Galley	8 x 6	10	02	Description	Technical Specifications	Manufacture	K Sileo	Size	160 XL	Input	230 V AC	Frequency	50/60 Hz	Current	0.45/ 0.60 A	Power	102/ 137 W
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9.	Scope of work	<p>a. Removal of deteriorated ducts and fans</p> <p>b. Fabrication of new ducts by the firm with Aluminum grade material</p> <p>c. Installation of new locally manufactured marine version ventilation fans in ducts</p> <p>d. Pressure test of ducts be undertaken for leakages and new ducts to be installed with new gaskets on every joint</p> <p>e. New studs/ Nut bolts be used for Stainless Steel material</p>																																						

		<p>f. After installation of ducts, successful onboard trials on running ventilation fans without any leakage from the ducts</p> <p>g. All in-way accessories be removed by the firm and fitted back</p> <p>h. Growth work will be sole responsibility of the firm. To avoid complications on later stage, firm is directed to visit the ship before quoting for understanding removal/installation and defect rectification scope</p> <p>j. Firm quoting without visiting will be liable for rejection in TSR</p>
10.	Eligibilities	<p>a. Any registered and security wise cleared local contractor having good experience in above mentioned scope of work</p> <p>b. Firm must visit site for understanding exact nature of defect/hindrances involved in job prior quoting to avoid inconvenience on later stage after reward of Work Order.</p>
11.	EDC	01 x Week
12.	Warranty	02 x Years
13.	Acceptance Criteria	Satisfactory fabrication, installation and operation of exhaust and ventilation fans without any leakage from the ventilation ducts
14.	Any other relevant information	Damage/ defect occurred to system during work is responsibility of contractor. Contractor must visit site and inspect scope of work prior quoting otherwise will be liable to rejection.

**IT SPECIFICATIONS REPLACEMENT/FABRICATION OF VENTILATION
DUCTS – PMSS BASOL**

S No	Description																						
1.	Parent Equip	Exhaust and Ventilation																					
2.	Sub Equip	Ventilation ducts																					
3.	Assembly component	Ventilation ducts																					
4.	Make	Chinese																					
5.	Model	Chinese/ Locally Manufactured Marine Version																					
6.	Qty	06																					
7.	Justification	Deteriorated/ leaky ventilation ducts																					
8.	Work required/ Defect	Replacement/ Fabrication of ventilation ducts.																					
9.	Detailed scope of work	<p>a. Removal of deteriorated ducts and fans</p> <p>b. Fabrication of new ducts by the firm with Aluminum grade material</p> <p>c. Installation of new locally manufactured marine version ventilation fans in ducts</p> <p>d. Pressure test of ducts be undertaken for leakages and new ducts to be installed with new gaskets on every joint</p> <p>e. The studs/ Nut bolts be used for Stainless Steel material</p> <p>f. After installation of ducts, successful onboard trials on running ventilation fans without any leakage from the ducts</p> <p>g. All in-way accessories be removed by the firm and fitted back</p> <p>h. Growth work will be sole responsibility of the firm. To avoid complications on later stage, firm is directed to visit the ship before quoting for understanding removal/installation and defect rectification scope.</p> <p>j. Firm quoting without visiting will be liable for rejection in TSR</p>																					
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11.	Eligibilities	<p>a. Any registered and security wise cleared local contractor having good experience in above mentioned scope of work</p> <p>b. Firm must visit site for understanding exact nature of defect/hindrances involved in job prior quoting to avoid inconvenience on later stage after reward of Work Order.</p>																					

12.	EDC	10 Days
13.	Warranty	01 year
14.	Acceptance Criteria	Satisfactory fabrication and installation of ventilation ducts without any leakages.
15.	Any Other Info	Nil

IT NO : IT/17/20/2024-25

PROCUREMENT OF CAT ELC COOLANT – 6HT MPVs – D(TECH)

S No.	Description	
1.	Parent Equipment	C9 CAT GENSET
2.	Sub Equipment	CAT Genset Radiator
3.	Assembly component	CAT ELC Coolant
4.	Make	USA
5.	Model	C9
6.	Qty	80 Liters (20 Liters for Each MPV,s 6 HT)
7.	Justification i.e. PMS/Failure/FWT etc.	CAT ELC TM (2056612 or 2056611) CAT Extended Life Coolant for cooling of lub oil of 3 x 9C CAT Gensets used in radiators.
8.	Work required/ Defect	Procurement of CAT ELC TM (2056612 or 2056611) CAT Extended Life Coolant
9.	Detailed Scope of Work	a. Procurement of CAT ELC TM (2056612 or 2056611) CAT Extended Life Coolant
10.	Technical specs	As per OEM Manual / Specs
11.	Eligibility Criteria	OEM authorized reps /NSD
12.	EDD	10 days
13.	Warranty	01 x year
14.	Acceptance Criteria	a. OEM Certified item. b. Item will be accepted after satisfactory test/trials onboard. c. OEM Technical documents/warranty certificate of items required. d. Upon scrutiny of items and provided documents i.e. technical specifications along with production certificate and batch No by OEM. e. Item must be genuine and OEM packed. Aftermarket products and items will not be accepted.
15.	Any other relevant Information	Contact MEO/SS

IT NO : IT/17/21/2024-25

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

S No	Specification	Remarks	Qty
1.	Cameras	02x DAHUA-FIX CAMERA 02x IR PTZ CAMERA.	04
2.	NVR/DVR	Network video recorder/Digital Video recorder 8 channel.	01 in No
3.	Make	ANY suitable/Reliable	-
4.	Model	1. 2MP DS-2DE4225-2CD202G-2-1 IPC HFW 324IEP-AS DAHUA-FIX CAMERA 2. 2MP SD 49225 IR PTZ CAMERA	-
5.	Display	43" LED Display	02 in No
6.	HDD	HDD 4 TB 7200 24/7 operation surveillance grade	01 in No
7.	Network cable	Cable CAT-6	1000 mtrs
8.	Power cable	AC power cable 2.5mm	1000 mtrs
9.	Service and Transportation	Transportation and installation of equipment's at GWADAR. Firm will be responsible for items delivery to PMSA BASE GWADAR.	
10.	Contact Number End User	0334-1167931 Lt Abdullah 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 trials.	-
13.	Warranty	01 year	-
14.	EDD	30 Days	-

IT SPECIFICATIONS – REPAIR/ MAINTENANCE WORK OF DG BARDGE – EASTERN WING

1.	Parent Equipment	DG PMSA Barge
2.	Sub Equipment	-
3.	Assembly Component	Beading & Paint Work/ Electroplating
4.	Make	UK
5.	Model	-
6.	Qty	-
7.	Justification i.e PMS/ Failure/ FWT etc	Super structure degraded due old vintage & FWT
8.	Work Required/ Defect	Under mentioned works are required: <ul style="list-style-type: none">a. Beading Workb. Replacement of MATc. Electroplating of installationsd. Paint Work
9.	Detailed scope of work	Under mentioned works are required: <ul style="list-style-type: none">a. Beading Workb. Replacement of MATc. Electroplating of installationsd. Paint Work
10.	Technical Spec	N/A
11.	Eligibility Criteria	Any local/ international registered firm with good reputation of said work
12.	EDD	15 Days
13.	Warranty	Shelf life minimum 02 Years
14.	Acceptance Criteria	Inspection by end user and after test coats on Aluminum Hull
15.	Any other relevant information	Nil

IT SPECIFICATION FOR PURCHASE OF TYRES

1.	SYSTEM	TYRES OF MT VEHICLE			
2.	MAKE	TOYOTA HIACE			
3.	MODEL	2020			
4.	VEHICLE NO / TYPE	200418 MS TOYOTA HIACE			
5.	TYPE OF TYRES REQUIRED	BRIDGESTONE /DUNLOP EQUIVALENT			
6.	ITEM DESCRIPTION	S No	PATT/PART NO	DESCRIPTION	QTY
		a.	SIZE:195/R 15 C	Tubeless	05
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 NEW TYRES IS REQUIRED. AUTHORIZED DISTIBUTER CERTIFICATE IS REQUIRED			

Note: 100% Payment after completion by CNA

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 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:

<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 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:

- a. Earnest money to the unsuccessful bidders will be returned **one week** after commercial opening date.
- b. 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.