

**SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 20 x IT SPECIFICATIONS**

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

**IT SPEC FOR REPAIR/ MAINTENANCE OF PRIMARY EXHAUST BELLOWS 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	16V396 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	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 lines, 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. j. 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	a. The firm must visit onboard and carry out diagnoses/ 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 /CST registered
29. EDC	10 x working days after issuance of work order
30. Warranty	01 Year
31. Acceptance criteria	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 SPECIFICATIONS FOR REPLACEMENT OF ME NO 2 HIGH FUEL LEAKAGE SENSOR  
AND ME NO 3 COOLANT PRESSURE SENSOR – PMSS DASHT**

S No.	Description	
1.	Parent Equipment	Main Engine No 2 and 3
2.	Sub Equipment	Sensors
3.	Assembly component	High Fuel Leakage Sensor and Coolant Pressure Sensor
4.	Make	Germany
5.	Model	High Fuel Leakage Sensor : X00E50208388 (0 – 10 BAR) and Coolant Pressure Sensor : X00E50207196 (15 BAR)
6.	Qty.	02 x High Fuel Leakage Sensor and 01 x Coolant Pressure Sensor
7.	Justification	Sensors found defective, safety hazard for engine operation
8.	Work req/ Defect	Replacement of 02 x High Fuel Leakage Sensor and 01 x Coolant Pressure Sensor
9.	Detailed Scope of Work	a. Replacement of 02 x High Fuel Leakage Sensor and 01 x Coolant Pressure Sensor b. Satisfactory test/ trials onboard c. All tools and test equipments will be arranged by firm/ contractor d. Test and trials on high performance parameters i.e., 1750 RPMs in HATs and 2050 RPMs in SATs
10.	Technical specs	As per OEM Manual/ Specs
11.	Eligibilities	MTU Local rep only (certified by MTU)
12.	EDC	03 x Days
13.	Warranty	01 x Year OEM standard warranty after test/ trials or as recommended by OEM
14.	Acceptance Criteria	a. OEM Certified spares only. b. Upon scrutiny of items and provided documents i.e. technical specifications c. Items will be accepted after onboard fitting and SAT test/ trails
15.	Any other Information	a. Damage/ defect occurred to system during work is responsibility of contractor. b. Dismantling/ assembling/ installation and in way removal work is responsibility of contractor.

**IT SPEC FOR REPAIR/ MAINTENANCE OF AFT ENGINE ROOM VENTILATION SYSTEM - PMSS /B  
BARKAT**

1.	Ship's Name	PMSS BARKAT
2.	Parent Equipment/ System	Aft Engine Room Ventilation System
3.	Sub Equipment/ system	Supply Fan Motor ,Trunking and Fitting Mechanism
4.	Assembly/Equipment	Fan with fitting base structure
5.	Make	China
6.	Model	-
7.	Qty	01
8.	Justification	Supply fan found defective during operation stop with abnormal noise and vibration. Moreover fan fitting base mechanism degraded.
9.	Work Required	Repair/ replacement of supply fan by providing strengthen fitting base mechanism.
10.	Detailed Scope of Work	<p>a. Remove mushroom head and inspect supply fan/motor.</p> <p>b. Prepare base for fitting of M/s material angels.</p> <p>c. SS nut bolts are used for fittings.</p> <p>d. Welding/cutting work will be required.</p> <p>e. Fitting of new ventilation fan.</p> <p>f. Any work during warranty/ guarantee period required will be the responsibility of the firm.</p> <p>g. The firm will be arranged all spares, tools, accessories etc required for said job.</p> <p>h. The firm will be responsible for any damage, defect and wear tear occur during the removal and installation.</p> <p>j. The firm will be responsible for requirement of external services and removal of all associated accessories.</p> <p>k. The firm will be responsible for removal, repair and installation work as per standard SOPs/ OEM Manual.</p>
11.	Technical Specs	-
12.	Eligibilities	<p>a. The firm must visit onboard and carry out diagnoses/ inspections to establish the extent of required work.</p> <p>b. The Firm must have experience of same kind of work.</p> <p>c. The firm should be NTN /GST registered</p>
13.	EDC	10 x working days after issuance of work order
14.	Warranty	01 Year
15.	Acceptance criteria	<p>a. Satisfactory work done by the firm as per IT Specs.</p> <p>b. No exhaust leakage from bellows upto 1400 ERPMs</p>
16.	Any other Information	-

**IT NO : IT/25/05/2024-25**

**IT SPECIFICATIN COMERCIAL REPAIR CASE VEHICLE NO 07002 MS SUZUKI CULTUS**

1.	SYSTEM	COMERCIAL REPAIR		
2.	MAKE	SUZUKI CULTUS		
3.	MODEL	2007		
4.	VEHICLE NO	07002 MS		
5.	ITEM DESCRIPTION	Work Description		
		<b><u>Following items will be repair/replaced:</u></b>		
		<table border="1"><thead><tr><th>S No</th><th>Work Description Repair/Replace</th></tr></thead><tbody><tr><td>a.</td><td>COMPLETE ENGINE REPAIR / REPLACEMENT</td></tr></tbody></table>	S No	Work Description Repair/Replace
S No	Work Description Repair/Replace			
a.	COMPLETE ENGINE REPAIR / REPLACEMENT			
6.	TECHNICAL SPESIFICATINOS	MATERIAL AS PER EXISTING		
7.	PRELIMINARY INVESTIGATION BY SHIPS'S STAFF	D(MT) / MTO STAFF		
8.	ELIGIBILITY	REGISTERED CONTRACTOR		
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 SPECIFICATION FOR RENOVATION OF OFFICERS WASHROOM-PMSS BARKAT

/ 3

1.	Ship's Name	PMSS BARKAT
2.	Parent Equipment/ System	Officer's washroom
3.	Sub Equipment/ system	Sanitary work
4.	Assembly/Equipment	Door, walls ,tiles and Commode
5.	Make	China
6.	Model	-
7.	Qty	-
8.	Justification	Deteriorated due to old vintage and environment issues
9.	Work Required	Renovation of officer's washroom
10.	Detailed Scope of Works	<p>a. Replacement/ Repairing of walls of washroom.</p> <p>b. Replacement of sanitary fittings.</p> <p>c. Replacement of tiles.</p> <p>d. Replacement of ceiling including lights.</p> <p>e. Replacement of exhaust fan.</p> <p>f. Replacement of wooden doors.</p> <p>g. Marine Plywood is to be used for any kind of wood work.</p> <p>h. The firm will arrange all spares, tools and accessories etc required for the same work.</p> <p>j. The firm will be responsible for requirement of external services.</p> <p>k. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work.</p> <p>l. Any damage/ defect/ wear tear occurred during course of removal, repair and installation of system/ equipments will be repaired/ met by Firm</p>
11.	Technical Spec	-
12.	Eligibilities	<p>a. The firm must visit onboard and carry out diagnoses/ inspections to establish the extent of required work.</p> <p>b. The Firm must have sufficient experience of same kind of work and experienced.</p> <p>c. The firm should be NTN/ GST registered</p>
13.	EDC	14 x working days after issuance of work/confirmation order
14.	Warranty	01 Year
15.	Acceptance criteria	<p>a. Satisfactory inspection, installation.</p> <p>b. Successful completion and acceptance by the end user</p>
16.	Any other Information	

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

**IT SPECIFICATION**  
**PROCUREMENT OF UPS – COMOSRON-22**

1.	System	1 KVA UPS alongwith 12V Lead Sealed Battery
2.	Make	APC Smart UPS
3.	Model	APC-SAU 1000i
4.	Quantity	03
5.	Part No/ Patt No	Nil
6.	Work required	N/A
7.	Detail scope of work	Procurement of 03x UPS alongwith accessories
8.	General Requirement	These items are required for use as immediate power back
9.	Eligibility Criteria	a. The firm should be registered with PMSA b. The firm having vast experience regarding supplying of electronics equipment. c. The firm should be NTN/ GST registered.
10.	EDC	10 days
11.	Warranty	01 Year
12.	Any other relevant information	N/A

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**IT SPECIFICATIONS OF ISAT DOCK II MARINE ANTENNA AND HANDSET BATTERY – PMSS REHMAT**

14

S No	IT SPECIFICATIONS	
1.	Parent Equipment	ISAT DOCK II MARINE
2.	Sub equipment	-
3.	Assembly component	ISAT DOCK II MARINE ANTENNA AND HAND SET BATTERY
4.	Make	INMARSAT UK
5.	Model	BEAM INMARSAT mast/pole marine antenna active (ISD710)/ STANDARD INMARSET BATTERY/ EQUIVALENT
6.	Quantity	01 each
7.	Justification i.e PMS/ Failure/FWT etc	Components critically required for operation-ability of ISAT DOCK II MARINE SET/ Electronic Failure
8.	Work Required/ Defect	Repair/ Replacement and installation of ISAT DOCK II MARINE antenna alongwith cables, connectors and Handset Battery.
9.	Detailed scope of work	a. Repair/ Replacement and installation of ISAT DOCK II MARINE antenna alongwith cables, connectors and Handset Battery with new one. b. Any accessories/ items required during installation work will be provided by the firm. c. Any other work required to ensure the good quality and optimum performance of work. d. Ensuring satisfactory operation of complete system after installation.
10.	Technical Specs (If any)	Power supplied by ISATDOCK(no additional power required) Temperature range: (-40C to 70C) Frequency : L BAND (1-2 GHz) Battery Type : INMARSAT Li-ion Battery 3 7V/ 12Wh Battery Capacity :3180 mAh
11.	Eligibility Criteria	a. As per TSR b. The firm should visit onboard and access the extent of required work and understand exact nature of defect before quotation. c. The firm should. be having good experience to repair/maintenance/ replacement of such system/equipment. d. The firm should be NTN/GST registered. e. Firm to provide services for ISAT DOCK II MARINE Antenna during warranty period.
12.	EDC	15 x working days after issuance of work order.
13.	Warranty	01 year
14.	Acceptance Criteria (If any)	HATs/ SATs after completion of work
15.	Any other relevant information	Nil

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

**IT SPECIFICATIONS – REPAIR/ MAINTENANCE OF OIC OFFICE, CONFERENCE ROOM  
AND SAILOR DINING HALL FURNITURE AT PMSA BASE RISHAD**

S No	Specifications	Remarks																					
1.	System	Repair/ Maintenance work																					
2.	Quantity	<table border="1"><thead><tr><th>S No</th><th>Description</th><th>Qty</th></tr></thead><tbody><tr><td>1.</td><td>OIC office chair and table with glass</td><td>01 Set</td></tr><tr><td>2.</td><td>Rostrum Conference Room</td><td>01</td></tr><tr><td>3.</td><td>Conference Room Table</td><td>03</td></tr><tr><td>4.</td><td>Conference Room Chair</td><td>20</td></tr><tr><td>5.</td><td>Dining hall Table</td><td>03</td></tr><tr><td>6.</td><td>Dining hall Chair</td><td>50</td></tr></tbody></table>	S No	Description	Qty	1.	OIC office chair and table with glass	01 Set	2.	Rostrum Conference Room	01	3.	Conference Room Table	03	4.	Conference Room Chair	20	5.	Dining hall Table	03	6.	Dining hall Chair	50
S No	Description	Qty																					
1.	OIC office chair and table with glass	01 Set																					
2.	Rostrum Conference Room	01																					
3.	Conference Room Table	03																					
4.	Conference Room Chair	20																					
5.	Dining hall Table	03																					
6.	Dining hall Chair	50																					
3.	Technical Specification ( If any)	N/A																					
4.	Detailed Scope of Work	a. Repair/ Maintenance of OIC office Chairs and table set. b. Repair/ Maintenance of Rostrum of Conference room c. Sailor Dining Hall table broken and to be replace. d. Sailor Dining Hall chairs broken and to be replace.																					
5.	Eligibilities	N/A																					
6.	EDC	03 Weeks																					
7.	Warranty	06 Months																					
8.	Acceptance criteria ( if any)	Upon Inspection by ships staff of PMSA Base Rishad																					
9.	Any other relevant information	Work is to be required at PMSA Base Rishad Pasni.  POC: Lt Shahid Noor PN Contact No 0334-5329101																					



IT SPECIFICATION  
PROCUREMENT OF PRINTER – COMOSRON-22

1.	System	01 x Printer (black & white)
2.	Make	HEWLET PACKARD (HP)
3.	Model	LASER JET PRO 402
4.	Quantity	01
5.	Type	Multi Functions (i.e print speed upto 28 pages per mints)
6.	Part No/ Patt No	Nil
7.	Work required	N/A
8.	Connectivity	Attached with OAS PC
9.	Eligibility Criteria	a. The firm should be registered with PMSA b. The firm having vast experience regarding supplying of electronics equipment. c. The firm should be NTN/ GST registered.
10	EDC	10 days
11.	Warranty	01 Year
12.	Any other relevant information	N/A

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

**IT SPECIFICATION FOR REPAIR/ MAINTENANCE OF GALVANIZED RAZOR WIRE AT  
PMSA BASE GWADAR, RISHAD AT PASNI AND ORMARA**

<b>S No</b>	<b>Specification</b>	<b>Remarks</b>	<b>Qty</b>
1.	Area	7296 Feet	-
2.	Galvanized Razor Wire	Repair/ Maintenance of already installed Razor Wire	607 Bundles/6KG Per Bundle (3,642 KG)
3.	Angles	Repair/ Maintenance of already installed Angles (10 feet distance)	732 Angles
4.	Straight wire	Straight wire (15 feet per kg required)	473 kgs
5.	Service and Transportation	Transportation and Repair/ Maintenance at all bases. Firm will be responsible for items delivery all bases.	-
6.	Contact Number End User	0305-9722060 Lt SHAHID NOOR PN (Rishad pasni) 0333-2093321 Lt Abdullah KHAN PN (Ormara) 03421512242 Azhar Hussain RA-II (Gwadar)	-
7.	Eligibility	All reputable GST Registered Firm/ contractor/ supplier	-
8.	Acceptance Criteria	Inspection by end user successful installation of galvanized razor wire at all bases.	-
9.	Warranty	01 year	-
10.	EDC	40 Days	-

**IT NO : IT/25/12/2024-25****IT SPECIFICATION FOR PURCHASE OF STATIONERY ITEMS  
FOR ALL PMSA UNITS**

S.No	Description	Make/ Model	Den	Qty Req
1.	Ball Point Black	Dollar Clipper	TEN	17
2.	Uni Ball Pen Blue 0.5	Uni Ball	EACH	197
3.	Uni Ball Pen Black 0.5	Uni Ball	EACH	202
4.	Uni Ball Pen Red 0.5	Uni Ball	EACH	90
5.	Signo Pointer Blue	Signo	EACH	120
6.	Signo Pointer Black	Signo	EACH	120
7.	Signo Pointer Red	Signo	EACH	60
8.	Pointer Turquoise	Uni Ball Fine	EACH	36
9.	Soft Pencil Drawing-2-B Length 176	Goldfish	EACH	2004
10.	Marker Red S-90	Dollar	EACH	178
11.	Marker Blue S-90	Dollar	EACH	178
12.	Marker Black S-90	Dollar	EACH	178
13.	Marker Green S-90	Dollar	EACH	89
14.	Marker Permanent Blue	Dollar	EACH	204
15.	Marker Permanent Black	Dollar	EACH	60
16.	Marker Permanent Red	Dollar	EACH	60
17.	Marker Permanent Green	Dollar	EACH	36
18.	Paper Cutter Chromium Plated	As per Sample	EACH	100
19.	Envelopes SE-3	As per sample	TEN	43
20.	Envelopes SE-4	As per sample	TEN	34
21.	Envelopes SE-5	As per sample	TEN	59
22.	Envelopes SE-6	As per sample	TEN	128
23.	Envelopes SE-6A	As per sample	EACH	150
24.	Envelopes SE-8A	As per sample	EACH	250
25.	Paper Clip	Dollar	PACKET	150
26.	Thumb Pin	Dollar	PACKET	60
27.	Eraser AL-30	Pelican	EACH	243
28.	Gum Stick General UHU Stick 21 Gram	UHU	EACH	63
29.	Gum Bottle Liquid	Dollar	BTLS	76
30.	Highlighter	Mercury	EACH	72
31.	Scale Steel	As per sample	EACH	48
32.	Lamination Sheet A-4 Size	As per sample	PACKET	17
33.	File Cover White	As per sample	EACH	120
34.	File Cover Plastic A-4 Size	As per sample	EACH	120
35.	File Folder	As per sample	NOS	107
36.	Mail Folder COSMO A to Z	COSMO	EACH	13
37.	CD/ DVD	MAXELL	EACH	40
38.	CD RW	MAXELL	EACH	56
39.	Note it Pad/ Post it Pad	KADISI	PAD	48
40.	Stapler Machine	Deli	EACH	27
41.	Tags All Types	As per sample	BNDL	56
42.	Red Seals	As per sample	NOS	1860
43.	Sharpener	DUX	NOS	144
44.	Color Flags/ Signature Tags	INDEX	PACKET	56
45.	Calculator	CITIZEN	NOS	9
46.	Correction Pen/ White	DUX	NOS	56
47.	Separator	Kent	PACKET	7
48.	Tracing Roll	As per sample	ROLL	6
49.	Staple Remover	As per sample	NOS	23
50.	Scissor	DL-75	NOS	10
(1).	Eligibilities	The firm should registered in PMSA and also have NTN/ GST registered.		
(2).	EDD	15 Working Days after issuance of work/ confirmation order.		
(3).	Warranty/ Guarantee	01 Year Warranty After Delivery		
(4).	Acceptance Criteria	Accepted By Warehouse Staff/ end user		

**IT SPECIFICATION FOR REPAIR/ REPLACEMENT OF A/C SEA WATER PUMP NO -2**

**PMSS RAFAQAT**

1.	Parent equipment	Air Conditioning Cooling System
2.	Sub Equipment	A/C cooling pump No-2
3.	Assembly component	Pump and Motor
4.	Make	GOULDS PUMP USA
5.	Model	3655
6.	Quantity	01
7.	Justification	Pump Motor Insulation Low
8.	Work required/Defect	Repair/ Replacement of Sea Water Pump
9.	Detailed Scope of work	<p>Repair/ Replacement of sea water pump and motor includes under mentioned jobs:</p> <ul style="list-style-type: none"> <li>i) Remove the sea water A/C cooling pump with motor from the system from ship.</li> <li>ii) Overhauling of pump.</li> <li>iii) Replace / rewind pump motor</li> <li>iv) Replacement of leaky mechanical seal</li> <li>v) Repair/replace the pump impeller, shaft and bearing if required.</li> <li>vi) Re install the pump after overhauling</li> <li>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.</li> <li>viii) All material, spares, tools, special equipment/ tools accessories etc required for said work are to be arranged by the contractor.</li> <li>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.</li> <li>x) Requirement of external services, if any will be responsibility of the firm without any liability on the part of ship.</li> <li>xi) Repair defective items are same hand over to SS.</li> </ul>
10.	Technical spec (if any)	<ul style="list-style-type: none"> <li>a. 440 V 60 HZ</li> <li>b. 3-4 Amp</li> <li>c. RPM 1750</li> <li>d. Capacity 5 to 3800 GPM</li> <li>e. Working Pressure 20-30 PSI</li> </ul>
11.	Eligibilities	<ul style="list-style-type: none"> <li>a. Firm should be NTN/ GST registered.</li> <li>b. Reputable local contractor/OEM rep.</li> <li>c. The firm should visit onboard and carry out inspection to establish the extent of required item.</li> </ul>
12.	EDC	07 days
13.	Warranty	1 year
14.	Acceptance Criteria (If any)	<ul style="list-style-type: none"> <li>a. OEM certified material</li> <li>b. Satisfactory trials</li> </ul>
15.	Any other relevant information	Nil

K. A

**IT SPECIFICATIONS – REPAIR THROUGH REPLACEMENT OF 10 X ENGINE START BATTERIES FOR WATERCRAFT-EASTERN WING**

1.	Ship's Name	Watercraft-Eastern Wing				
2.	Parent Equipment	Main Engine				
3.	Sub Equipment	Starting system				
4.	Assembly Component	Dry Batteries (Maintenance Free)				
5.	Make	As mentioned below (S No.11)				
6.	Model	As mentioned below (S No.11)				
7.	Quantity	06				
8.	Justification i.e PMS/ Failure/ FWT etc	Installed batteries are not holding charge due old vintage and declared BER/ surveyed. Replacement required to meet operational requirement.				
9.	Work Required/ Defect	Repair through replacement of 06 x Engine start batteries mentioned below (S No.11)				
10.	Detail Scope of Work	Repair through replacement of 06 x Engine start batteries mentioned below (S No.11)				
11.	Technical Spec	<b>S No</b>	<b>Boat</b>	<b>Description</b>	<b>Make</b>	<b>Qty</b>
		a.	ZHB-01	12V 90 AH Maintenance free battery	LEOCH/ YUASA	02
		b.	SSB-241	12V 80 AH Maintenance free battery	LEOCH/ YUASA	02
		c.	FRB-157	12V 50 AH Maintenance free battery	LEOCH/ YUASA	02
12.	Eligibilities	Any well reputed local firm having experience for providing spares of marine engines.				
13.	EDC	15 Days				
14.	Warranty	02 x Years after installation onboard and satisfactory trials.				
15.	Acceptance Criteria	<ul style="list-style-type: none"> <li>➤ Inspection by end user and successful installation of batteries onboard.</li> <li>➤ Minimum 02 years shelf life.</li> </ul>				
16.	Any other relevant information	Provision of capacity test certificate.				

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

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

IT SPECIFICATION FOR REPAIR/REPLACEMENT OF  
NETWORK SWITCH

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

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

SABQAT

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

**IT SPECIFICATIONS FOR OVERHAULING/ REPAIRING OF AFT CHILLER SEA WATER PUMP AND SUCTION LINE - PMSS KOLACHI**

S No	Description				
1.	Parent Equipment	Chilled Water Plant			
2.	Sub Equipment	Sea Water System			
3.	Assembly Equipment	a. Sea Water Pump b. Sea Water Line			
4.	Make	JIANGSU ZHENHUA Pump Industry CO. LTD			
5.	Model	CLH100-80-13			
6.	Required Quantity	S No	Part Number	Description	Quantity
		a.	IS100-80-160-02	Sea water pump impeller	01
		b.	-	Sea water line (material: brass, Dia: 6 inch, Length:7 ft)	01
7.	Justification	Repair/ overhauling of above mentioned items is deemed necessary for SAT operation of Chilled Water Plant.			
8.	Detailed scope of work	a. Repair/ overhauling of aft chiller sea water pump including repair/ machining of pump body and fabrication of new impeller b. Repair of suction line c. On board installation of pump and sea water line			
9.	Technical specifications	As per OEM specifications/Manual			
10.	Eligibilities	Reputable local contractor having working experience with PMSA.			
11.	EDD / EDC <i>27</i>	10 days.			
12.	Warranty	OEM specified.			
13.	Acceptance Criteria (if any)	a. Sea water pump discharge pressure should be above 2 bar b. Sea water pump motor current and temperature should be within working range limit c. No sea water leakage from line should be observed d. Successful harbor trials			
14.	Any other relevant Info	MEO Contact No 03362490044			

**IT SPECIFICATIONS – REPAIR THROUGH REPLACEMENT OF 02 X MARINE ENGINE HARNESS CATERPILLAR (C-9) FOR FRB-158 – EASTERN WING**

1. Ship's Name	FRB-158 – Eastern wing
2. Parent Equipment	Caterpillar C-9 Marine engines (Port serial number X9Y00441, Stbd serial number X9Y00358)
3. Sub Equipment	Electronic Control and Monitoring system
4. Assembly Component	Harness AS
5. Make/ Model	Caterpillar C-9, USA
6. Part No	293-5394
7. Quantity	02
8. Justification i.e PMS/ Failure/ FWT etc	Performance of installed C-9 marine engines significantly degraded due malfunctioning of wiring harness having old vintage and material fatigue.
9. Work Required/ Defect	Repair through replacement of 02 x engine control harness for C-9 Marine engines.
10. Detail Scope of Work	Repair through replacement of 02 x engine control harness for C-9 Marine engines.
11. Technical Spec	Harness AS (Part No. 293-5394)
12. Eligibility Criteria	OEM authorized dealer of Caterpillar having experience for repair through replacement of C-9 accessories and spares.
13. EDD	30 days
14. Warranty	02 x years after installation onboard and satisfactory trials.
15. Acceptance Criteria	Inspection by end user & successful onboard trials after installation
16. Any other relevant information	<ul style="list-style-type: none"><li>➤ Only Caterpillar original parts preferably USA origin or equivalent will be accepted.</li><li>➤ Shipment documents or COC is to be provided at the time of delivery in PMSA.</li><li>➤ Contracted firm is to provide compatible Harness as per engine serial numbers mentioned at S No.2.</li></ul>

**IT SPECIFICATION FOR REPLACEMENT OF AFTERCOOLER - PMSS HINGOL**

<b>S No.</b>	<b>Description</b>	
1.	<b>Parent Equipment</b>	GENSET NO 3
2.	<b>Sub-equipment</b>	Fresh Water Cooling System
3.	<b>Assembly equipment</b>	After Cooler
4.	<b>Make</b>	Caterpillar C9 Marine GENSETs
5.	<b>Quantity</b>	1
6.	<b>Work required/ Defect</b>	Fabrication and Installation of After Cooler.
7.	<b>Detailed scope of work</b>	a. Removal of radiator fan covers. b. Removal of Aftercooler from the Fresh Water Cooling System. c. Fabrication of Aftercooler as per sample by the firm. All in-way seals and gaskets to be replaced with new. d. Nuts/bolts are to be replaced with new (if required). Stainless steel nuts/bolts to be used. e. Installation of Aftercooler and radiator fan covers by the firm followed by successful trials. f. All tools and test equipment will be arranged by the firm. g. 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.
8.	<b>Technical specs</b>	As per OEM Manual/ Specs
9.	<b>Eligibility criteria</b>	Any registered and security wise cleared local contractor who has working experience of Caterpillar C9 Marine GENSETs onboard MPVs
10.	<b>EDC</b>	07 Days
11.	<b>Warranty</b>	01 year
12.	<b>Acceptance criteria</b>	a. Satisfactory Test/ Trials of GENSET No 3 up to at least 80% load without leakage from Aftercooler <b>and fresh water cooling system</b> . b. Trials of radiator fan cover up to normal operation without any misalignment.
13.	<b>Any other information</b>	Damage/ defect to system during work is responsibility of contractor.

**IT SPECIFICATIONS FOR REPAIR/ MAINTENANCE SWIMMER OF THE WATCH****DAVIT**

1.	Parent Equipment	Swimmer of the watch davit
2.	Sub Equipment	-
3.	Assembly Component	Boat Deck
4.	Make	China
5.	Model	N/A
6.	Quantity	02 (PORT & STBD)
7.	Justification i.e PMS/ Failure/ FWT etc	Breaking of moveable bearing, 02 x pullies are defective and wire has been rusted and weak.
8.	Work Required/ Defect	Wire needs to be changed alongwith repair of bearing and 02 x pullies
9.	Detailed scope of work	Repair/ Maintenance of swimmer of the watch davit with following: <ul style="list-style-type: none"><li>• Moveable bearing need to be repaired/ changed</li><li>• 02 x pullies need to be repaired</li><li>• Wire need to be changed (24 meter each)</li><li>• Reel for swim line needs to be fixed</li></ul>
10.	Technical Spec	As per OEM
11.	Eligibility Criteria	Any reputable local contractor/ firm registered with PMSA and also NTN/ GST registered.
12.	EDC	15 Days after issuance of work/ confirmation order.
13.	Warranty	06 Month warranty of Repair/ Maintenance work
14.	Acceptance Criteria	Upon inspection by Executive Officer/ Ship Staff/ SOW
15.	Any other relevant information	Firm must visit onboard for clarification of any query and understanding of work requirement before quoting/ coordinate EXO/ Ship staff.

**Note: 100% Payment after completion by CNA**

## 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:

<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:

<b>S No</b>	<b>Description</b>	<b>Qty</b>	<b>U/Price</b>	<b>GST/SST/Taxes</b>	<b>Total Price</b>
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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).

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**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.