

SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 13 x IT SPECIFICATIONS
SINGLE STAGE SINGLE ENVELOPE

IT NO: IT/78/01/2025-26

COMMERCIAL REPAIR CASE OF VEHICLE NO 090217 MS SUZUKI JIMNY

S No	Details	
1.	Ships Name	PMSS INDUS/TPT
2.	Parent Equipment	SUZUKI JIMNY
3.	OEM	SUZUKI -
4.	Model	2009
5.	Origin	Imported Japan
6.	Sub Equipment	JIMNY
7.	Justification for Work	Engine oil leakage and engine some extra noise
8.	Work Required	Engine Assembly Radiator new Clutch plate and pressure Plate set Thrust bearing Suspension All rubber buses Ball joint Front wheels bearing Rear wheel bearing Front Brake Pad Rear Brake Shoe Front Disk Set
9.	Eligibility	a. The firm should be FBR/SBR registered. b. The firm should be registered with HQ PMSA/ Navy/ DP Navy.
10.	EDC	30 Days after Issuance of Work order
11.	Warranty	01 Year after delivery/work.
12.	Acceptance Criteria	Accepted by MTO PMSS INDUS & D (MT)

IT NO: IT/78/02/2025-26
IT SPECIFICATION FOR NAVIGATION AND SIGNAL LIGHTS - PMSS ZHOB

S No	Description	
1.	Ship's Name	PMSS ZHOB
2.	Parent Equipment	Navigation and signal lights
3.	Model	Marine version 220V
4.	Quantity	30 x Navigation lights and 20 x Signals lights
5.	Justification for Work	Navigation and signals lights are pivotal for navigational safety of the ship at sea during night or in poor visibility.
6.	Work Required	Fabrication and installation of navigation and signal lights and their covers as per sample
7.	Detail scope of work	Fabrication and installation of navigation and signal lights and their covers as per sample
8.	Eligibility criteria	Any firm having experience with PMSA.
9.	EDC	ASAP
10.	Acceptance	Visually inspection of provided item w.r.t physical inspection.

IT NO: IT/78/03/2025-26
PROCUREMENT OF FENDERS - PMSS BARKAT

S No	Details			
1.	Ships Name	PMSS BARKAT		
2.	Parent Equipment	FENDER		
3.	Origin	USA		
4.	Sub Equipment	FENDER (SIZE 16x36 inches) safe working load: 02 tons		
5.	Assembly Component	N/A		
6.	Part No. of Assembly Component	N/A		
7.	Quantity	04 x Fender		
8.	Source of availability	NSD/ Local Market		
9.	Justification for Work	Existing 04 x Fender have been declared BER by BMG and surveyed to INDUS/Warehouse		
10.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Existing 04 x Fender have been declared BER by BMG and surveyed to INDUS/ Warehouse	04 x Fender required against surveyed item	See S No 14 para b
11.	Detailed scope of work	d		
		Spares Required		
		See S No 14 para C.		
11.	Detailed scope of work	a	b	c
		Details of Repair Work Required	Details of services Required	Details of Spares Required
		04 x Fender required against Surveyed item	Nil	04 x Fender required against Surveyed item
12.	Technical Specs	As per IT Spec		
13.	Eligibility	a. Have Past experience w.r.t procurement of items onboard PMSA Ships. b. Local contractor must visit ship to understand exact requirement/ Scope of work.		
14.	EDC	07 days		
15.	Warranty	01 Year or as per OEM (whichever is higher)		
16.	Acceptance Criteria	Physically inspection and acceptance by the end user.		
17.	Any other relevant information	SS may be contacted for any further query/ requirement.		

IT NO: IT/78/04/2025-26
REPAIR/ MAINTENANCE OF 02 X TURNBO CHARGERS FRB-155 - PMSS NAZIM

S No	Details				
1.	Ships Name	FRB-155			
2.	Parent Equipment	C-9 Port Main Engine			
3.	OEM	Caterpillar			
4.	Model	Caterpillar/ C-9, USA			
5.	Origin	USA			
6.	Sub Equipment	Air intake system			
7.	Assembly Component	02 X Turbo chargers (part number 262-7609 GP part of 267-8925 GP)			
8.	Part No. of Assembly Component	S No	NSN/ Part No	Description	Qty
		a.	7W-7778	CLAMP AS	01
		b.	7M-9916	LOCKNUT	01
		c.	127-0839	CLAMP AS (TURBINE)	01
		d.	271-9416	CARTRIDGE GP-TURBO CHARGER	01
		e.	3S-8313	PLUG CUP	02
		f.	4K-0149	PLUG CUP	01
		g.	6V-1902	SEAL O RING	01
		h.	242-3360	HOSE	01
j.	7M-7273	GASKET	01		
9.	Source of availability	OEM / Local Market			
10.	Justification for Work	a. Main engines speed trimming being observed and engines are not exceeding beyond 1200 ERPMS. b. Heavy smoke being observed at said RPMS. c. Turbo chargers have been dismantled and oil leakage/traces observed on compressor, turbine and inlet side of after cooler due suspected shaft seal of turbo charger leaky.			
11.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Servicing and maintenance of turbo chargers	a. Cleaning and inspection of housing. b. Replacement of service kit including degraded/defective parts i.e. bush, seals, bearing, compressor, turbine wheel etc c. Alignment/ machining of turbine shaft	N/A	As per S No 9
12.	Detailed scope of work	a		b	c
		Details of Repair Work Required		Details of services Required	Details of Spares Required
		a. Cleaning and inspection of housing. b. Replacement of service kit including degraded/defective parts i.e. bush, seals, bearing, compressor, turbine wheel etc		N/A	As per S No 9
13.	Technical Specs	As per Technical Manual			

14.	Eligibility	Any well-known national/ international firm having good experience for repair/ maintenance of Caterpillar engines and associated auxiliaries/ parts.
15.	EDC	30 days
16.	Warranty	01 year after installation onboard and satisfactory trials.
17.	Acceptance Criteria	Physical inspection of under mentioned parts by end user after installation onboard and trials upto maximum engine RPMs for satisfactory performance: <ul style="list-style-type: none"> a. Compressor and compressor housing. b. Turbine wheel and turbine housing. c. Presence of engine oil traces on shaft, turbine or inlet side of after cooler.
18.	Any other relevant information	<ul style="list-style-type: none"> a. Installation/Replacement of Marine Grade spares/ accessories are to be ensured by contracted firm. b. Dismantling and re-installation of in-way accessories is responsibility of the firm. c. Any breakage/material failure during dismantling/installation will be lies with the firm.

OVERHAULING OF FWD HPAC AND PORTABLE HPAC - PMSS KOLACHI

S No	Details																																							
	Ships Name	PMSS KOLACHI																																						
2.	Parent Equipment	a. HPAC b. Portable HPAC																																						
3.	OEM	WUHAN MEKAND EQUIPMENT CO, LTD																																						
4.	Model	MKD-50/150																																						
5.	Serial No	NIL																																						
6.	Origin	China																																						
7.	Sub Equipment	a. Electric motor b. Compression Host																																						
8.	Assembly Component	a. Valve piston b. Valve seat c. 4-stage Piston Complément d. 4-stage Piston bush e. 4-stage Piston f. Piston-ring set																																						
9.	Part No. of Assembly Component	<table border="1"> <thead> <tr> <th>S No</th><th>NSN/ Part No</th><th>Description</th><th>Qty</th></tr> </thead> <tbody> <tr> <td>i.</td><td>6105PV1000068/180M-2</td><td>Electric motor</td><td>1</td></tr> <tr> <td>j.</td><td>4310PV506004/ IK22.0</td><td>Compression Host</td><td>1</td></tr> <tr> <td>k.</td><td>i. 43T0PV5010030/57628 ii. 4310PV5010031/ 57929</td><td>Valve piston</td><td>2 2</td></tr> <tr> <td>l.</td><td>i. 4310PV5010025/ 56687 ii. 4310PV5010026/ 56691</td><td>Valve seat</td><td>2 2</td></tr> <tr> <td>m.</td><td>4310PV5060034/ 64231</td><td>4-stage Piston Complément</td><td>1 set</td></tr> <tr> <td>n.</td><td>4310PV5Q60030/ 63063</td><td>4-stage Piston bush</td><td>1</td></tr> <tr> <td>o.</td><td>4310PV5060121 / 76592</td><td>4-stage Piston</td><td>1</td></tr> <tr> <td>p.</td><td>4310PV5060043/ N22049</td><td>Piston-ring set</td><td>1 Set</td></tr> </tbody> </table>			S No	NSN/ Part No	Description	Qty	i.	6105PV1000068/180M-2	Electric motor	1	j.	4310PV506004/ IK22.0	Compression Host	1	k.	i. 43T0PV5010030/57628 ii. 4310PV5010031/ 57929	Valve piston	2 2	l.	i. 4310PV5010025/ 56687 ii. 4310PV5010026/ 56691	Valve seat	2 2	m.	4310PV5060034/ 64231	4-stage Piston Complément	1 set	n.	4310PV5Q60030/ 63063	4-stage Piston bush	1	o.	4310PV5060121 / 76592	4-stage Piston	1	p.	4310PV5060043/ N22049	Piston-ring set	1 Set
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15.	Eligibility	Reputable local/ international contractor registered with FBR and having working experience with PMSA.																																						
16.	EDC	30 Days after award of contract																																						

17.	Warranty	01 Year
18.	Acceptance Criteria	<ul style="list-style-type: none"> a. OEM Certified items b. All BER items to be replaced with new c. Firm will not be allowed to use ship tools and manpower d. QA/QC certificate issuance by QA/QC department

REPAIR /REPLACEMENT OF 04 X EXHAUST FLAPS OF MAIN ENGINES - PMSS BARKAT

S No	Details				
1.	Ships Name	PMSS BARKAT			
2.	Parent Equipment	Main Engine			
3.	OEM	MTU			
4.	Model	16V396TB93			
5.	Serial No	5590544, 5590545, 5590546, 5590547			
6.	Origin	Germany			
7.	Sub Equipment	Exhaust System			
8.	Assembly Component	Exhaust Flaps and Drain Valves			
9.	Part No. of Assembly Component	N/A			
10.	Quantity	As per detail scope of work			
11.	Source of availability	Local Market			
12.	Justification for Work	Exhaust flaps have been observed malfunctioning during normal operation at sea same degraded condition offlaps may leads to seawater ingress into engine, which may cause a major lubrication failure.			
13.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Exhaust flaps have been observed malfunctioning during normal operation at sea same degraded condition of flaps may leads to seawater ingress into engine, which may cause a major lubrication failure.	Complete overhauling of exhaust flaps, drain valves and operating linkages for satisfactory operations of the system	As per Serial 14 Column b.	As per Serial 14 Column c.
14.	Detailed scope of work	a		b	
		Details of Repair Work Required		Details of services Required	
		i.	Repair/ overhauling of 02 x exhaust flaps	Removal of exhaust flaps, Complete overhauling of exhaust. flaps including replacement of drain valves and re-installation of exhaust flaps	02 x drain valves and as required while overhauling
		ii.	Replacement of 02 x exhaust flaps and drain valves	Removal of 02 x defective exhaust flaps and installation of new exhaust flaps	02 x exhaust flaps 02 x drain valves
		iii.	Replacement of exhaust line of FSME	Removal of deteriorated exhaust line of FSME and installation of new exhaust line	Approx. 06 x feet piece of exhaust line
		iv.	Servicing of operating Linkages	Servicing of operating linkages for smooth operation	-
		v.	Lagging / Claddings on exhaust trucking	Removal of lagging / Claddings and fitted back.	New Lagging/ Claddings if

				required
		vi.	Requirement of external services, if required will be responsibility of firm	
		vii.	All spares (must be genuine) tools special equipment /accessories required for said Repair/ Maintenance are to be arranged by the firm	
		viii.	Any damage/ defect/ wear tear occurred during course of removal work, repair and installation of system/ equipment will be met by firm	
		ix.	The firm will be responsible for all removal, transportation and installation work during warranty/ grantee periods claims in case of any rework	
15.	Technical Specs	As detail scope of work		
16.	Eligibility	a. The firm must visit onboard and carry out diagnoses/inspections to establish the extent of required work. b. The firm must have sufficient experience of same kind of work and experienced. c. The firm should be NTN /GST registered		
17.	EDC	15 x Days after issuance of work/confirmation order.		
18.	Warranty	02 Year		
19.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Successful completion and acceptance by the end user. c. Satisfactory trials.		
20.	Any other relevant information	Quality material is to be used-.		

IT NO: IT/78/07/2025-26
REPAIR/ MAINTENANCE OF FRB-155 - PMSS NAZIM FRBS WMR

S No	Details				
	Ships Name	FRB-155			
2.	Parent Equipment	C-9 STBD & Port Main Engine			
3.	OEM	Caterpillar			
4.	Model	Caterpillar/ C-9, USA			
5.	Origin	USA			
6.	Sub Equipment	<ul style="list-style-type: none"> ➤ 02 X Heat exchangers. ➤ 02 X After coolers. ➤ 02 X Lub oil coolers ➤ 02 X Gear driven Raw water pumps 			
7.	Assembly Component	As above			
8.	Part No. of Assembly Component	S No	NSN/ Part No	Description	Qty
		q.	197-5988	Heat exchanger	02
		r.	197-5991	After cooler	02
		s.	197-5989	Lub oil cooler	02
		t.	197-5993	Gear driven Raw water pumps	01
		u.	227-4301	Gear driven Raw water pumps	01
		v.	7E-0321	Impeller raw water pump	02
9.	Source of availability	OEM / Local Market			
10.	Justification for Work	Performance of C-9 main engines degraded and engines not exceeding beyond 1200 RPMs due malfunctioning of following accessories/ equipment: <ul style="list-style-type: none"> ➤ 02 X Heat exchangers. ➤ 02 X After coolers. ➤ 02 X Lub oil coolers ➤ 02 X Gear driven Raw water pumps 			
11.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		a. Repairing, chemical cleaning, pressure testing and seals replacement of 02 x heat exchangers.	a. Repairing, chemical cleaning, pressure testing and seals replacement of 02 x heat exchangers, 02 x after cooler and 02 x Lub oil cooler.	NA	a. Heat exchanger
		b. Repairing, chemical cleaning, pressure testing and seals replacement of 02 x after cooler.	b. Repairing of 02 x gear driven Raw water pumps including replacement of		b. After Cooler
	c. Repairing, chemical			c. Lub oil cooler	
				d. Raw water pump.	
				e. Impeller	

		cleaning, pressure testing and seals replacement of 02 x Lub oil cooler. d. Repairing of 02 x gear driven Raw water pumps including replacement of impellers (part number impeller 7E-0321)	impellers (part number impeller 7E-0321)											
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13.	Technical Specs	As per Technical Manual												
14.	Eligibility	Any local/international firm having expertise of working on C-9 engines and associated auxiliaries/ accessories												
15.	EDC	30 days												
16.	Warranty	01 year after installation onboard and satisfactory trials.												
17.	Acceptance Criteria	Inspection by end user and satisfactory trials upto 2500 ERPMs and provision of pressure test certificate for heat exchangers and after coolers.												
18.	Any other relevant information	Use of standard/USA origin parts for C-9 engines may be ensured by contracted firm												

IT NO: IT/78/08/2025-26
REPAIR/ MAINTENANCE OF PORT MAIN ENGINE FOR FRB-155 - PMSS NAZIM

S No	Details				
1.	Ships Name	FRB-155			
2.	Parent Equipment	C-9 Port Main Engine			
3.	OEM	Caterpillar			
4.	Model	Caterpillar/ C-9, USA			
5.	Origin	USA			
6.	Sub Equipment	Cylinder head			
7.	Assembly Component	Cylinder head and associated accessories.			
8.	Part No. of Assembly Component	S.NO	Part Number/Model	Description	Qty
		a.	242-1542	Inlet Valve	12
		b.	296-9855	Exhaust Valve	12
		c.	190-6115	Spring valve (inner)	12
		d.	190-6117	Spring valve (outer)	12
		e.	259-5829	Guide Intake	12
		f.	260-4856	Guide Exhaust	12
		g.	217-069	Intake Valve Seats	06
		h.	241-8390	Exhaust Valve Seats	06
		j.	187-1315	Gasket AS	01
		k.	3K-03060	Seal O ring	01
		l.	217-5701	Seal -Bukl	01
		m.	5P-5678	seal (valve mechanism cover)	01
		n.	151-2939	Bearing- Main	07
		p.	246-3150	Plate thrust	02
		q.	264-6156	Rod valve push	04
		r.	8H-4320	Ball bearing (s/w pp)	02
		s.	7E-0325	Washer (s/w pp)	03
		t.	7E-0321	Impeller-pump (s/w PP)	01
		u.	2H-3931	Seal O ring (GB clr)	02
		v.	099-0187	Seal O Ring (H/E)	02

		<table><tr><td>w.</td><td>200-3052</td><td>Seal AS pump</td><td>01</td></tr></table>	w.	200-3052	Seal AS pump	01									
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9.	Justification for Work	Performance of Port main engine degraded due following defects: a. Port Engine water contamination observed during routine check. b. Port Engine observed abnormal noise during operation.													
10.	Work Required	<table><tr><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><th>Defect/ Routine List</th><th>Repair Work Required</th><th>Services Required</th><th>Spares Required</th></tr><tr><td>Contamination observed in lube oil.</td><td>a. Dismantling of heat exchanger for chemical cleaning and pressure testing b. Replacement of Head gasket. c. Chemical cleaning, pressure testing and side facing of cylinder head, (if required) d. Fuel injector testing/calibration. (change if required) h. Replacement of defective parts including intake & exhaust valves, guides, seats and injector seals (if required) j. Inspection/ repair/ replace of cylinder liner and crank shaft. (if required) k. Inspection/ Dismantling of Sea water</td><td>N/A</td><td><ul style="list-style-type: none">Seal O ringGasket ASFuel injectorFuel injectors sealsIntake and exhaust valveIntake and exhaust valve guidesIntake and exhaust seatsSea water</td></tr></table>	a	b	c	d	Defect/ Routine List	Repair Work Required	Services Required	Spares Required	Contamination observed in lube oil.	a. Dismantling of heat exchanger for chemical cleaning and pressure testing b. Replacement of Head gasket. c. Chemical cleaning, pressure testing and side facing of cylinder head, (if required) d. Fuel injector testing/calibration. (change if required) h. Replacement of defective parts including intake & exhaust valves, guides, seats and injector seals (if required) j. Inspection/ repair/ replace of cylinder liner and crank shaft. (if required) k. Inspection/ Dismantling of Sea water	N/A	<ul style="list-style-type: none">Seal O ringGasket ASFuel injectorFuel injectors sealsIntake and exhaust valveIntake and exhaust valve guidesIntake and exhaust seatsSea water	
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Contamination observed in lube oil.	a. Dismantling of heat exchanger for chemical cleaning and pressure testing b. Replacement of Head gasket. c. Chemical cleaning, pressure testing and side facing of cylinder head, (if required) d. Fuel injector testing/calibration. (change if required) h. Replacement of defective parts including intake & exhaust valves, guides, seats and injector seals (if required) j. Inspection/ repair/ replace of cylinder liner and crank shaft. (if required) k. Inspection/ Dismantling of Sea water	N/A	<ul style="list-style-type: none">Seal O ringGasket ASFuel injectorFuel injectors sealsIntake and exhaust valveIntake and exhaust valve guidesIntake and exhaust seatsSea water												

			pump. Repair (if required).		<div>pump impeller</div> <div><div>• Seal AS pump</div></div>									
11.	Detailed scope of work	<table><tr><th>a</th><th>b</th><th>c</th></tr><tr><th>Details of Repair Work Required</th><th>Details of services Required</th><th>Details of Spares Required</th></tr><tr><td>Repair/ maintenance of cylinder head and associated accessories</td><td>N/A</td><td><div><div>• Seal O ring</div><div>• Gasket AS</div><div>• Fuel injector</div><div>• Fuel injectors seals</div><div>• Intake and exhaust valve</div><div>• Intake and exhaust valve guides</div><div>• Intake and exhaust seats</div><div>• Sea water pump impeller</div></div><div>Seal AS pump</div></td></tr></table>				a	b	c	Details of Repair Work Required	Details of services Required	Details of Spares Required	Repair/ maintenance of cylinder head and associated accessories	N/A	<div><div>• Seal O ring</div><div>• Gasket AS</div><div>• Fuel injector</div><div>• Fuel injectors seals</div><div>• Intake and exhaust valve</div><div>• Intake and exhaust valve guides</div><div>• Intake and exhaust seats</div><div>• Sea water pump impeller</div></div> <div>Seal AS pump</div>
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12.	Technical Specs	As per Technical Manual												
13.	Eligibility	Any local/international firm having expertise of working on C-9 engines												
14.	EDC	30 days												
15.	Warranty	01 year after installation onboard and satisfactory trials.												
16.	Acceptance Criteria	<div><div>➤ Inspection by end user and satisfactory trials of engine upto 2500 ERPMs.</div><div>➤ Provision of pressure test certificate for cylinder head.</div></div>												
17.	Any other relevant information	<div><div>a. USA origin spares for C-9 Marine engine is to be ensured by contracted firm.</div><div>b. Dismantling and re-installation of in-way accessories is responsibility i of the firm</div><div>c. Any breakage/material failure during dismantling/installation will be lies with the firm.</div><div>d. Adjustment/clearances for various parts and use of standard tools are to be conducted in light of OEM maintenance manual.</div></div>												

IT NO: IT/78/09/2025-26
OVERHAULING OF FIRE CANON PUMP - PMSS KOLACHI

S No	Details				
1.	Ships Name	PMSS KOLACHI			
2.	Parent Equipment	EXTERNAL WATER MONITOR SYSTEM (Fire Canon)			
3.	OEM	SHENZHEN SEALUCK EQUIPMENT CO , LTD.			
4.	Model	PSKDC100 TYPE			
5.	Serial No	NIL			
6.	Origin	China			
7.	Sub Equipment	Fire Canon pump Motorizing valve			
8.	Assembly Component	a. Fire Canon pump b. Motorizing valve			
9.	Part No. of Assembly Component	S.NO	Part Number/Model	Description	Qty
		a	DWG-MPV-15HT-02	Electric motor pump set	1
		b.	NIL	Motorizing valve	6
10.	Source of availability	OEM / Local Market			
11.	Justification for Work	Overhauling of Fire Canon pump & motorizing valves required for SAT OPS.			
12.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Fire Canon pump & motorizing valves performance degraded. Overhauling required for SAT OPS	Overhauling of Fire Canon pump & motorizing valves required.	Repair/ Replacement of fire cannon pump and motorizing valve	As per S No 9
13.	Detailed scope of work				
		a	b	c	
		Details of Repair Work Required	Details of services Required	Details of Spares Required	
		Fire Canon pump & motorizing valves performance degraded. Overhauling required for SAT OPS	Overhauling of Fire Canon pump & motorizing valves required.	As per S No 9	

14.	Technical Specs			
		S No	Description	Technical Specs
		a.	Pump Flow rate	300m3/hr
		b.	Speed	2900 rpm
		c.	Driver Power	200 kW
		d.	Outline dimension's	680x660x1850(mm)
		e.	Motorizing valve	As per sample
15.	Eligibility	Reputable local/ international contractor registered with FBR and having working experience with PMSA.		
16.	EDC	30 Days after award of contract		
17.	Warranty	01 Year		
18.	Acceptance Criteria	a. OEM Certified item b. BER items to be replaced with new c. Firm will not be allowed to use ship tools and manpower d. QA/QC certificate issuance by QA/QC department		

IT NO: IT/78/10/2025-26
CONDUCT OF PMS ROUTINE OF AIR TREATMENT UNITS - PMSS KASHMIR

S No	Details																											
	Ships Name	PMSS KASHMIR																										
2.	Parent Equipment	MARINE INDIRECT AIR HANDLING UNIT																										
3.	OEM	JIANGSU JOSUNAIR HANDLING UNIT CO. LTD																										
4.	Model	ATU-02 TMU(W)-101 ATU-05 TMU(W)-23																										
5.	Serial No	NIL																										
6.	Origin	China																										
7.	Sub Equipment	Heat Exchangers																										
8.	Assembly Component	ATU-02 TMU(W)-101 ATU-05 TMU(W)-23																										
9.	Part No. of Assembly Component	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S No</th> <th style="width: 40%;">Part/ NSN</th> <th style="width: 40%;">Paint Description</th> <th style="width: 15%;">Qty</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>4120PV2230012/ 11.01.03.GZ15210-01-002</td> <td>Air heat exchanger TMU(W)-101</td> <td>01</td> </tr> <tr> <td>b.</td> <td>4120PV2240006/ 11.01.03.GZ15210-04- 002</td> <td>Air heat exchanger TMU(W)-23</td> <td>01</td> </tr> </tbody> </table>			S No	Part/ NSN	Paint Description	Qty	a.	4120PV2230012/ 11.01.03.GZ15210-01-002	Air heat exchanger TMU(W)-101	01	b.	4120PV2240006/ 11.01.03.GZ15210-04- 002	Air heat exchanger TMU(W)-23	01												
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11.	Justification for Work	PMS Routine																										
12.	Work Required	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">a</th> <th style="width: 25%;">b</th> <th style="width: 25%;">c</th> <th style="width: 25%;">d</th> </tr> <tr> <th>Defect/ Routine List</th> <th>Repair Work Required</th> <th>Services Required</th> <th>Spares Required</th> </tr> </thead> <tbody> <tr> <td>PMS</td> <td>Overhauling of ATU 2 & 5</td> <td>Yes</td> <td>As per S No 9</td> </tr> </tbody> </table>			a	b	c	d	Defect/ Routine List	Repair Work Required	Services Required	Spares Required	PMS	Overhauling of ATU 2 & 5	Yes	As per S No 9												
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PMS	Overhauling of ATU 2 & 5	Yes	As per S No 9																									
13.	Detailed scope of work	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 45%;">a</th> <th style="width: 30%;">b</th> <th style="width: 25%;">c</th> </tr> <tr> <th>Details of Repair Work Required</th> <th>Details of services Required</th> <th>Details of Spares Required</th> </tr> </thead> <tbody> <tr> <td>PMS</td> <td>Overhauling of ATU 2 & 5</td> <td>Yes</td> </tr> </tbody> </table>			a	b	c	Details of Repair Work Required	Details of services Required	Details of Spares Required	PMS	Overhauling of ATU 2 & 5	Yes															
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15.	Eligibility	Reputable local/ international contractor registered with FBR and having working experience with PMSA.																										
16.	EDC	30 Days after award of contract																										
17.	Warranty	01 Year																										
18.	Acceptance Criteria	a. OEM Certified item b. Defective/BER items must be replaced with new one c. Firm will not be allowed to use ship tools and manpower																										

IT NO: IT/78/11/2025-26
CONDUCT OF PMS ROUTINE OF MAIN SWITCHBOARD & EMERGENCY SWITCHBOARD -
PMSS KASHMIR

S No	Details				
	Ships Name	PMSS KASHMIR			
2.	Parent Equipment	a. PGH1 Main Switchboard b. PGH2 Emergency and Harboring Switchboard Emergency Switchboard 220 Feeder Panel			
3.	OEM	CHANGSHU RUIITE ELECTRIC CO. LTD.			
4.	Model	PGH 1 Type PGH 2 Type			
5.	Serial No	GB/T13602-92 GJB13A-97			
6.	Origin	China			
7.	Sub Equipment	Main Switchboard Emergency Switchboard Emergency Switchboard Motorizing Breaker (ABB- SACE 7MAX 600 AMP)			
8.	Assembly Component	Fuse holder RL98B-16 Fuse RL98B-16/2A gG Fuse RL98B-16/4A gG Fuse RL98B-16/6A gG Fuse RL98B-16/10A gG Circuit Breaker for Emergency Generator ACB 800A ABB AC400V 3 pole Frame type Circuit Breaker of Generator ABB AC380V Change-over Switch LW39-16B-9AA-0444/4 Change-over Switch LW39-16B-B2-101A/1 Change-over Switch LW39-16B-LH1/2 Change-over Switch LW39-16B-YH12/2 MCCB XT1C160TMD50-500 3P FF Emergency Switchboard Motorizing Breaker (ABB- SACE 7MAX 600			
9.	Part No. of Assembly Component	S No	Part/ NSN	Paint Description	Qty
		c.	5920PV0020003	Fuse holder RL98B-16	2
		d.	5920PV0010008	Fuse RL98B-16/2AgG	2
		e.	5920PV0010009	Fuse RL98B-16/4AgG	2
		f.	5920PV0010014	Fuse RL98B-16/6AgG	2
		g.	5920PV0010010	Fuse RL98B-16/10A gG	2
		h.	5925PV9000042/ E1B800 T-LSI 3P W	Circuit Breaker for Emergency Generator ACB 800A ABB AC400V 3 pole	1
		i.	5925PV9000041/ E1.2B1000 T-LSI 3P W	Frame type Circuit Breaker of Generator ABB AC380V	3
		j.	5930PV0040082	Change-over Switch LW39-16B- 9AA-0444/4	1
		j.	5930PV0040056	Change-over Switch LW39-16B- B2-101A/1	1
		k.	5930PV0040049	Change-over Switch LW39-16B- LH1/2	1

		l.	5930PV0040037	Change-over Switch LW39-16B-YH12/2	1
		m.	5925PV2000059/	MCCB XT1C160TMD50-500 3PFF	2
		n.	NIL (as per sample)	Emergency Switchboard Motorizing Breaker (ABB- SACE 7MAX 600 AMP)	2
10.	Source of availability	OEM/ Local Market			
11.	Justification for Work	To conduct PMS routine of Main Switchboard & Emergency Switchboard & replacement of Motorizing Breaker (PMS No: 5-2004-0001)			
12.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		PM-005	Examine and clean main circuit/ supply Breaker of all SSDGs on Main Switchboard & Emergency Switchboard.	Inspection/ cleaning of main circuit/ supply Breaker of all SSDGs on Main Switchboard & Emergency Switchboard required for SAT OPS	As per S No 9
		PM-006	Replacement of Motorizing Breaker (ABB- SACE 7MAX 600 AMP) at Emergency Switchboard.	Inspection/ Replacement of Motorizing Breaker of Emergency Switchboard for SAT OPS	
13.	Detailed scope of work				
		a	b	c	
		Details of Repair Work Required	Details of services Required	Details of Spares Required	
		Examine and clean main circuit/ supply Breaker of all SSDGs on Main Switchboard & Emergency Switchboard. Defective parts must be replaced with new.	Inspection/ cleaning of main circuit/ supply Breaker of all SSDGs on Main Switchboard & Emergency Switchboard required for SAT OPS.	As per S No 9	
Replacement of Motorizing Breaker (ABB- SACE 7MAX 600 AMP) at Emergency Switchboard.	Replacement of Motorizing Breaker of Emergency Switchboard for SAT OPS				
14.	Technical Specs	Input Power 3 phases AC 380V(+6%~-10%) Input Power 3 phases AC 220V(+6%~-10%) Operation method Manual power switch, manual load Automatic power switch Weight 2100 KGs Overall dimensions 4900 X 800 X 2073 L*W*H mm			
15.	Eligibility	Reputable local/ international contractor registered with FBR and having working experience with PMSA.			
16.	EDC	30 Days after award of contract			
17.	Warranty	01 Year			
18.	Acceptance	a. OEM Certified item. b. Defective/ BER items must be replaced with new.			

	Criteria	c. Firm will not be allowed to use ship tools and manpower
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IT NO: IT/78/12/2025-26
REPAIR/ REPLACEMENT OF PNEUMATIC QUICK CLOSING VALVE OF MACHINERY &
FUEL TANKS - PMSS KASHMIR

S No	Details																															
1.	Ships Name	PMSS KASHMIR																														
2.	Parent Equipment	PNEUMATIC QUICK-CLOSING VALVE																														
3.	OEM	TAIXING NAVIGATION MACHINERY CO. LTD																														
4.	Model	50L-7 ,50L-8																														
5.	Serial No	NA																														
6.	Origin	China																														
7.	Sub Equipment	Air bottle Safety valve 3-way ball valve																														
8.	Assembly Component	Air bottle Safety valve 3-way ball valve Gas outlet stop check valve Globe valve Pressure controller																														
9.	Part No. of Assembly Component	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.NO</th><th style="width: 30%;">Part Number/Model</th><th style="width: 40%;">Description</th><th style="width: 20%;">Qty</th></tr> </thead> <tbody> <tr> <td>a</td><td>TQCB-50L-7&8-02</td><td>Air bottle</td><td>1</td></tr> <tr> <td>b.</td><td>A21H-16C DN15</td><td>Safety valve</td><td>1</td></tr> <tr> <td>c.</td><td>QF-310</td><td>3-way ball valve</td><td>7+8</td></tr> <tr> <td>d.</td><td>A40020 GB596-83</td><td>Gas outlet stop check valve</td><td>1</td></tr> <tr> <td>e.</td><td>A100006 GB595-83</td><td>Globe valve</td><td>2</td></tr> <tr> <td>f.</td><td>YWK-50-C (0-1.5)</td><td>Pressure controller</td><td>1</td></tr> </tbody> </table>			S.NO	Part Number/Model	Description	Qty	a	TQCB-50L-7&8-02	Air bottle	1	b.	A21H-16C DN15	Safety valve	1	c.	QF-310	3-way ball valve	7+8	d.	A40020 GB596-83	Gas outlet stop check valve	1	e.	A100006 GB595-83	Globe valve	2	f.	YWK-50-C (0-1.5)	Pressure controller	1
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f.	YWK-50-C (0-1.5)	Pressure controller	1																													
10.	Source of availability	OEM / Local Market																														
11.	Justification for Work	Repair/ Replacement of above mentioned items is required for SAT OPS																														
12.	Work Required	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">a Defect/ Routine List</th><th style="width: 20%;">b Repair Work Required</th><th style="width: 30%;">c Services Required</th><th style="width: 25%;">d Spares Required</th></tr> </thead> <tbody> <tr> <td>Degraded performance. Overhaul required for SAT OPS</td><td>Overhaul required</td><td>Inspection, Repair and Replacement of defective parts required</td><td>As per S No 9</td></tr> </tbody> </table>			a Defect/ Routine List	b Repair Work Required	c Services Required	d Spares Required	Degraded performance. Overhaul required for SAT OPS	Overhaul required	Inspection, Repair and Replacement of defective parts required	As per S No 9																				
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15.	Eligibility	Reputable local/ international contractor registered with FBR and having working experience with PMSA.																														
16.	EDC	30 Days after award of contract																														
17.	Warranty	01 Year																														
18.	Acceptance	d. OEM Certified item.																														

	Criteria	e. Firm will not be allowed to use ship tools and manpower
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IT SPECIFICATIONS – PMS ROUTINE OF PORT & STBD ME FUEL WATER SEPERATOR –
PMSS KASHMIR

S No	Details				
1.	Ships Name	PMSS KASHMIR			
2.	Parent Equipment	Main Engine Fuel System			
3.	OEM	Qauantong Navigation Machinery Group CO., LTD			
4.	Model	FSLYQ 40			
5.	Serial No	D-06830			
6.	Origin	China			
7.	Sub Equipment	Fuel water separator			
8.	Assembly Component	Fuel water separator			
9.	Part No. of Assembly Component	S No	NSN/Part No	Description	Qty
		a.	13542 (Complete Set)	Fuel water separator	02
10.	Justification for Work	PMS Routine			
11.	Work Required	a	b	c	d
		Defect List	Repair Work Required	Services Required	Spares Required
		PMS	Replacement of Port & Stbd ME Fuel Water separator required for sat ops.	Replacement of Port & Stbd ME Fuel Water separator required for sat ops.	As per S No 9
12.	Detail scope of Work	a	b	c	
		Detail of Repair work Required	Details of Services Required	Details of Spares Required	
		Inspection/ replacement of Port & Stbd ME Fuel Water separator required.	Replacement of Port & Stbd ME Fuel Water separator required for sat ops.	As per S No 9	
13.	Technical Specs	S No	Item		Technical specs
		a.	Nominal pressure		< 0.6 MPa
		b.	Working Temperature		< 55 C
		c.	Nominal Flow rate		2.6 m3/h
		d.	Filter Precision		70 urn
		e.	Separation Efficiency		>85
14.	Eligibilities	Reputable local/ international contractor registered with FBR and having working experience with PMSA.			
15.	EDC	30 Days after award of contract			
16.	Warranty	01 Year			
17.	Acceptance Criteria	a. OEM Certified items b. All defective BER items to be replaced with new. c. Firm will not be allowed to use ship tools and manpower d. QA/QC certificate issuance by QA/QC department			

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 alongwith the tender No and date on the envelope containing the technical offer.

b. **COMMERCIAL OFFER:** The price be quoted in figures as well as in words alongwith 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. Total price of the items quoted against the tender os to be clearly mentioned. It should also contain a **pay order 2% 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.

c. **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 alongwith 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%:

S No	Description	Unit Price	Qty	Total GST @18% or SST @ 15%	Total Price
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Please prepare quotation in this format In case of without GST or SST:

S No	Description	Unit Price	Qty	Total	Total Price
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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. EARNEST MONEY:

All participating firms are to provide earnest money in form of pay order alongwith bids. **Registered firms 2% of complete value (inclusive of all prices and taxes). Non registered firms 5% of complete value (inclusive 5% of all prices and taxes).** Firms disqualifying in technical opening/ Commercial opening will be returned their earnest money upon award of work order/ LPO/ Contract to qualifying Firm.

9. TENDER FEE:

Each technical offer must be accompanied with Cash of **Rs.7,500/-** for two stage and **Rs 2,000/-** for single stage nonrefundable as tender fee (In favor 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. For provision of stores/ repair or replacement work wherein Two Stage bidding i.e technical opening is required, Inspection of same will be carried out through reputed third party labs i.e SGS, PNCTA and TTI etc. For inspections carried out in two stage bidding, charges for inspection will be borne by supplying firm.

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 Bills for further processing of the same for payment:

- a. 10% of total amount of Contract, 5% of total amount of LPO/ Work Order.
- b. Certificate of Conformity (CoC) required.
- c. QA/ QC certificate required in respect of technical items.
- d. Survey Copy of unserviceable items duly verified/ signed by BSO PMSS INDUS.

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 and 5% of LPO/ Work Order (excluding taxes, duties / freight handling charges on a stamp paper of the value 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