

SEPARATE QUOTATIONS REQUIRED FOR ATTACHED 46 X IT SPECIFICATIONS

SINGLE STAGE TWO ENVELOPE PROCEDURE

INSTRUCTIONS FOR BIDDERS (SINGLE STAGE, TWO STAGE BIDDING PROCEDURE)

In accordance with applicable PPRA Rules and DPPI-35, all participating firms are required to submit their bids under the SINGLE-STAGE, TWO STAGE ENVELOPE Bidding System for the listed items. Each bid shall consist of two separate sealed envelopes, clearly marked "Technical Proposal" and "Commercial Proposal", and placed within two outer sealed envelopes.

Stage I – Technical Proposal (First Envelope)

The Technical Proposal shall be submitted without any reference to prices or financial information and must include the following:

1. A clear understanding of the scope of work and objectives of the assignment
2. Relevant experience of the firm in similar or comparable projects
3. Details of sourcing arrangements for goods and/or services proposed for the assignment
4. Proposed methodology and work plan.
5. Approach for successful and timely completion of the work
6. Copies of relevant documents, including but not limited to:
 - Company profile.
 - Registration certificates
 - NTN / STRN (where applicable)
 - Past performance certificates or client references

The Technical Proposal will be evaluated first. Only firms whose Technical Proposals are found responsive and compliant with the prescribed requirements will qualify for Stage II (Commercial Evaluation).

Stage II – Commercial Proposal (Second Envelope)

The Commercial Proposal shall be submitted in a separate sealed envelope and must include:

1. Complete item-wise price breakdown for all goods to be supplied and/or services to be rendered
2. Clear description of the scope of work or services covered under the quoted prices
3. All prices quoted in Pakistani Rupees (PKR), inclusive of applicable duties and taxes, as detailed below:
 - **General Sales Tax (GST) @ 18%** on applicable goods
 - **Sindh Sales Tax (SST) @ 15%** on services rendered

**COMPLETE REFURBISHMENT OF SHIPS STORE OFFICE SAILOR WASHROOM DOORS
AND POLISHING OF FURNITURE - PMSS NUSRAT**

S. No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	Ship's office, store office, doors, stairs and racks		
3.	Justification for Work	Deteriorated due to FWT with the passage of time		
4.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Deteriorated due to FWT with the passage of time	Complete refurbishment of ship's store office / sailor's washroom doors and polishing of furniture onboard	See detail S No 5 Column b
				d
				Spares Required
				As per requirement
5.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Complete refurbishment of ship's store office / sailor's washroom doors and polishing of furniture onboard	a. Ship's store office cabinets and deck deteriorated. Complete refurbishment required. b. Fabrication of new racks for stowage of ration. c. Fabrication/ renewal of wooden lockers and other fittings. d. Store office lighting system is to be renewed with new lights. e. Replacement of 03 x doors of CPOs/ Sailor's washroom bath area. f. Polishing of all wooden furniture onboard ship i.e Lockers, doors and cabinets. g. Cleaning/ rubbing of furniture. h. Apply abrasive sheet on all 15 x stairs/ ladder steps. j. Complete refurbishment of 01 deck alleyway & lobby. k. All Special tools and spares are to be arrange by the firm for said work. l. The firm will be responsible to undertake any work not covered	As per requirement

		above to ensure good quality of work. m. The firm will be responsible for welding/ cutting, if required. n. The firm will be responsible for requirement of external services. p. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work. q. There will be no growth work.	
6.	Technical Specs	As per scope of work	
7.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and item. b. The firm should having good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered	
8.	EDC	03 week after issuance of work/ confirmation order	
9.	Warranty	01 year from the date of acceptance	
10.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Physical acceptance by SS	

CONDUCT OF PMS ROUTINE OF FAN COIL UNIT (25X FCU'S) - PMSS KASHMIR

S No	Details				
1.	Ships Name	PMSS KASHMIR			
2.	Parent Equipment	Air Conditioning System			
3.	OEM	JIANGSU JOSUN AIR CONDITIONER. CO LTD			
4.	Model	CFP-LG and CFP-LM			
5.	Origin	China			
6.	Sub Equipment	Fan Coil Unit (FCU's)			
7.	Assembly Component	a. Centrifugal Fan b. Motor c. Evaporator d. Temperature controller			
8.	Part No. & Qty	S No	Part Number/Model	Description	Qty
		a.	1.01.28.GZ16018-01-001	Evaporator 2KW	7
		b.	1.01.28.GZ16018-02-001	Evaporator 3KW	3
		c.	1.01.28.GZ16018-03-001	Evaporator 4KW	4
		d.	11.01.25.GZ16018-01-002	Evaporator 2KW	3
		e.	11.01.25.GZ16018-02-002	Evaporator 3KW	2
		f.	11.01.25.GZ16018-03-002	Evaporator 5KW	2
		g.	11.01.25.GZ16018-04-002	Evaporator 6KW	6
		h.	3110PV0020072	Bearing SKF-6204	54
9.	Source of Availability	OEM, Local market			
10.	Justification for Work	Against PMS No 3-6163-0001-4 (MOP-008)			
11.	Work Required	Conduct of 2A PMS routine, replace defective parts where required.			
12.	Detailed scope of work	a. Fan Maintenance b. Clean surface, air cooler c. Check ground connection d. Insulation resistance test e. Overhauling of FCU's and inspection/ replacement of following parts if found defective: i. Evaporator Coil ii. Temperature controller iii. Bearing iv. Pressure testing/ cleaning of Heat Exchangers			
13.	Technical Specs	As per OEM specifications/ Manual			
14.	Eligibilities	Reputable local/ international contractor having working experience with PMSA			
15.	EDC	30 Days after award of contract			
16.	Warranty	02 Year			
17.	Acceptance Criteria	a. OEM Certified item b. Air flow, chill water flow and chill water inlet and outlet difference should be achieved as per technical manual c. All FCU's should run without any leakage, noise and vibration			
18.	Any other relevant info	Firm Rep/ contractor should visit ship to check exact scope of work prior quoting against tender.			

**INSTALLATION OF 03 X ADDITIONAL FIXED FIRE HOSE REEL (FFHR) POINTS IN WAREHOUSE
BMG AREA, PARKING RAMP AREA AND MASJID AREA AT HQ PMSA - PMSS INDUS**

S No	Ship's Name	PMSS INDUS		
1.	Parent Equipment	Installation OF 3 x Additional Fixed Fire Hose Reel (FFHR) Points in Warehouse/ BMG Area, Parking Ramp Area and Masjid Area- HQ PMSA Building		
2.	Origin	Local		
3.	Quantity	03 with all accessories and pump		
4.	Justification for work	In the light of recommendations of Annual Safety Review (ASR) 2025-26, coverage area of Fixed Fire Hose Reel (FFHR) required to be extended to enhance firefighting coverage and emergency response capability. In this context, installation of 3 x additional FFHR points in Warehouse/ BMG area, Parking Ramp area and Masjid area is essentially required.		
5.	Technical Specs	Items/ Accessories	Description	Qty
		FFHR	28 Mtr	3
		Pump	Type: CH4-50 A-W-A-CVBE) Model: F 44502105	3
		PVC Pipe (1 inch)	200 Mtr Approx.	3
		Nozzle	As previously installed	3
		Valve	-	As per requirement
		Hose Reel Box	As previously installed	3
		Civil Work	-	As per requirement
6.	Eligibilities	All registered firms		
7.	EDC	30 x Days		
8.	Warranty	01 Year		
9.	Acceptance criteria	Inspection by end user		

**DEFECT RECTIFICATION OF EXISTING MONITORIN, PROTECTION & CONTROL SYSTEM
WITH PLC BASED OF FWD STBD MAIN ENGINE (FSME) - PMSS NUSRAT**

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	FSME		
3.	OEM	Mitsubishi brand PLC		
4.	Model	FX-3U		
5.	Sub Equipment	PLC base Monitoring, Protection and Control System IP67-rating		
6.	Assembly Component	PLC and associated IOS		
7.	Justification for Work	PLC and associated I/OS working abnormally resulting in erratic behavior of system. Control system malfunction causing undesired system parameters and false trigger alarms. Control system on remote not available		
8.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Defect rectification of existing Control system	Engine Control and monitoring system is to be repaired for sat and safe operation of ship	See S.No 9 Para b
9.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Engine Control and monitoring system is to be repaired for sat and safe operation of ship	a. Defect rectification of existing monitoring, protection, control system PLCs and associated IOs with IP-67 rating. b. Check/ repair of PLC module. c. Check/ repair of associated IOs cards d. Check/ repair of GCU cards e. Complete functionality as in present system to be provide as enumerated below f. HMI software to display following parameter / indication: (1) Lube oil pressure (2) Gear box lub oil pressure (3) Gear box lub oil temperature (4) Exhaust temperature A-bank (5) Exhaust temperature B-bank (6) Combine exhaust temperature (7) Engine RPM (8) Coolant water temperature (9) Coolant low water warning/ trip switch. (10) Charge air temperature. (11) Sea water pump discharge pressure. (12) Shaft RPM. (13) Ahead, Astern and disengage indication of shaft. g. Incorporation of following warning in	As per Requirement

			case of any abnormality: (1) High coolant temperature (95C°). (2) High gear box lube oil temperature (100C°) (3) Low engine lube oil pressure (2.5 bar). (4) Low gear box lube oil pressure (2.5 bar). (5) Low sea water pressure (0.2 bar). h. Local control system should be stand alone with following control option: (1) Local / remote selector switch (2) Start/ stop, emergency stop switch (3) Ahead/ Astern switch (4) Engine speed controller (5) Volt meter batteries (6) Fuel injection pump cut in and cut out indication (7) Maximum speed protection system (8) Engine hours counter meter j. To be designed on following parameter to operate safeties resulting in ME trips/ shut down: (1) Low engine lube oil pressure (1.5 bar). (2) High coolant temperature (95C°). (3) (3) High engine lube oil temperature (105C°). (4) Engine over speed (2000 RPM). (5) Gear box lube oil temperature (100C°). k. Engine emergency stop safety should be available in MCR, LCP and bridge. l. Parameters logging should be provided alongwith facility of system recording for 04 x weeks as well as engine order recording for 04 x hours to be provided. m. 15" HMI to be repair / installed new in MCR, should be able to show parameter of engine in suitable partition. n. System should be easy and quick in fault diagnosis with alarm identification on screen i.e sensor defective (SD), wire broken (WB), of other defect possible to program to be displayed on HMI. p. PLC programing and backup software is to be include in deliverable. Further, SS training for software installation to be proved. q. All slandered cable marking is required and extra cable should be removed in complete control system. r. Operator manual, Technical manual	
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		and maintenance manual alongwith illustrated part catalog to be provided. s. Auto cut in / cut out of fuel pumps should be provided. t. Control station change over mode should be available from LCP/MCR/bridge and vice versa with indication/ buzzer. u. Compatibility of governor and governor control unit with new control system is responsibility of firm. v. The firm also provide complete diagram of control system and fault diagnosis procedure on laminated hard and soft copy. w. Training is to be provided to SS for operating the control system, lever and maintenance. x. Diagnostic tool for fault finding and rectification of control system. y. The firm will also provide all documents/ operating and maintenance manual and drawing (02 set) in hard copy. z. The firm will be responsible to undertake any work not covered above to ensure good quality of work. aa. There will no growth of work. ab. The firm will be responsible for welding/ cutting if required. ac. All spares, tools, special equipment, accessories etc to be arranged by the firm ad. The firm will be responsible for requirement of external services ae. Any damage/ defect/ wear tear occur during the course of removal and installation of core assembly will be repaired/ met by firm af. Firm will provide complete list of spares/ stores fitted/ renewed/ replaced with complete description and part number, and old items is to be provided to SS for survey ag. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any rework ah. The system should be supportable for next 15 years aj. The firm will be responsible to provide wiring diagram and troubleshooting documents	
10.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares b. The firm should have good experience of the same kind of work required onboard c. The firm should be NTN/GTN registered	

11.	EDC	45 x working days after issuance of work/ confirmation order
12.	Warranty	a. 01 year / 1500 Hrs from the date of acceptance b. Firm will also provide a guarantee certificate for provision of spare / parts for next 05 years successful installation of system
13.	Acceptance Criteria	a. Satisfactory work done by the firm b. Satisfactory HATs and SATs c. Practical Acceptance by SS

DEFECT RECTIFICATION OF MARINE CHILL LIGHT WATER CHILLER - PMSS HINGOL

S No	Details				
1	Ships Name	PMSS HINGOL			
2.	Parent Equipment	Marine Light Water Chiller.			
3.	OEM	JIANGSU JOSUN AIR CONDITIONER CO, LTD			
4.	Model	CLH65-65-5.5(Z)			
5.	Origin	CHINA			
6.	Sub Equipment	Chiller Module No 1, 2, & 4			
7.	Assembly Component	Chiller Module No 1 & 4 Compressors			
8.	Part No. of Assembly Component	Hermetically Sealed Compressor (Part No 06.01.057).			
9.	Quantity	02x Compressors & 04 x expansion valves.			
10.	Source of Availability	Local Engineering Houses/ Shairshah			
11.	OEM Details	<u>Address</u> GJJM+9x4, Jiang Du Qu, Yang Zhou Shi, Jiang Su Sheng, China,255266 <u>Contact Phone</u> Not specified <u>Contact Email</u> Not Specified			
12.	Alternate Source	Local Engineering and Manufacturing Houses			
13.	Justification for Work	Marine light water chiller module no 1 & 4 compressors degraded and performance observe low, Chill water flow sensors and expansion valves of module no 1,2,3&4 found defective, complete wiring circuit including PLC, contactors, over loads and compressors cable found degraded.			
14.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Marine light water chiller module no 1 & 4 compressors degraded and performance observe low, Chill water flow sensors and expansion valves of module no 1,2,3 & 4 found defective, complete wiring circuit including PLC, contactors, over loads and compressors cable found degraded.	a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be	a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be	02 x compressor (Hermetically Sealed Compressor). 42 kg refrigerant (R404A). Complete wiring circuit cable. 01 x PLC. 04 x Contactor. 04 x Over load.

			responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	04 x Chill water flow sensor. 04 x expansion valve. Compressors cable complete.							
15.	Detailed scope of work	<table><tr><th>a</th><th>b</th><th>c</th></tr><tr><th>Detail of Repair Work Required</th><th>Detail of Services Required</th><th>Detail of Spares Required</th></tr><tr><td>a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.</td><td>a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.</td><td>02 x compressor (Hermetically Sealed Compressor). 42 kg refrigerant (R404A). Complete wiring circuit cable. 01 x PLC. 04 x Contactor. 04 x Over load. 04 x Chill water flow sensor. 04 x expansion valve. Compressors cable complete.</td></tr></table>	a	b	c	Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	02 x compressor (Hermetically Sealed Compressor). 42 kg refrigerant (R404A). Complete wiring circuit cable. 01 x PLC. 04 x Contactor. 04 x Over load. 04 x Chill water flow sensor. 04 x expansion valve. Compressors cable complete.	
a	b	c										
Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required										
a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	a. Replacement of chiller module no 1 & 4 compressors with new compressors. b. Replacement of 04 x chill water flow sensors. c. Replacement of 04 x expansion valves. d. Replacement and securing of complete wiring circuit including PLC, contactors, over loads and compressors cable with new. e. Removal/ installation in way assembly and component will be responsibility of firm. f. Refrigerant charging of module no 1,2,3& 4 after vacuum test g. Any other leakage observed during dismantling/ installation work will be responsibility of firm. h. All tools, test equipment's and spares will arrange by firm.	02 x compressor (Hermetically Sealed Compressor). 42 kg refrigerant (R404A). Complete wiring circuit cable. 01 x PLC. 04 x Contactor. 04 x Over load. 04 x Chill water flow sensor. 04 x expansion valve. Compressors cable complete.										
16.	Technical Specs	As per OEM manual.										
17.	Eligibilities	Security wise clear firm having working experience of marine light water chiller on board HINGOL CLASS MPVs of PMSA.										
18.	EDC	07 Days										
19.	Warranty	One year warranty after satisfactory test / trails w.r.t: a. Onboard test and trails of Main AC return temperature of 10C. b. Satisfactory and smooth operation of chiller module no 1 & 4 compressors without abnormal noise and vibration. c. Satisfactory operation of all expansion valves and chill water flow sensors. d. Satisfactory operation of complete wiring circuit including PLC. contactors, over loads and compressors cable. e. Only OEM recommended compressors and spares will acceptable. f. If any abnormality observe in operation of chiller module no 1 & 4										

		compressors, complete wiring circuit including PLC, contactors, over loads and compressors cable will be rectified/ replace by the firm during warranty period.
20.	Acceptance Criteria	a. Onboard test and trails of Main AC return temperature of 10C. b. Satisfactory and smooth operation of chiller module no 1 & 4 compressors without abnormal noise and vibration. c. Satisfactory operation of all expansion valves and chill water flow sensors. d. Satisfactory operation of complete wiring circuit including PLC, contactors, over loads- bid compressors cable. e. Only OEM recommended compressors and spares will acceptable.

IT NO: IT/99/06/2026-27

FABRICATION AND INSTALLATION OF TUNNEL COMPARTMENT DECK FRAMES AND DECK PLATES - PMSS HINGOL

S No	Details			
1.	Ships Name	PMSS HINGOL		
2.	Parent Equipment	Tunnel Compartment		
3.	Origin	CHINA		
4.	Sub Equipment	Tunnel compartment deck.		
5.	Assembly Component	Tunnel compartment deck frame and deck plates.		
6.	Quantity	01 x compartment complete deck frame and deck plates.		
7.	Source of Availability	Local Engineering Houses.		
8.	Justification for Work	Tunnel compartment deck frame and deck plates found deteriorated, fabrication and installation of deck frame and deck plates is to be required.		
9.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Tunnel compartment deck frame and deck plates found deteriorated, fabrication and installation of deck frame and deck plates is to be required.	a. Fabrication and installation of new deck frames as per naval standard. b. Fabrication and installation of new SS deck plates. c. Welding and cutting work required as per naval standard. d. Removal and installation in way assembly and component will be responsibility of firm. e. All tools and spares / material will arrange by firm.	a. Fabrication and installation of new deck frames as per naval standard. b. Fabrication and installation of new SS deck plates. c. Welding and cutting work required as per naval standard. d. Removal and installation in way assembly and component will be responsibility of firm. e. All tools and spares / material will arrange by firm.
10.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		a. Fabrication and installation of new deck frames as per naval standard. b. Fabrication and installation of new SS deck plates. c. Welding and cutting work required as per naval standard.	a. Fabrication and installation of new deck frames as per naval standard. b. Fabrication and installation of new SS deck plates. c. Welding and cutting work required as per naval standard.	a. Tunnel compartment complete deck frames. b. Tunnel compartment complete deck plates.

		d. Removal and installation in way assembly and component will be responsibility of firm. e. All tools and spares / material will arrange by firm.	d. Removal and installation in way assembly and component will be responsibility of firm. e. All tools and spares / material will arrange by firm.	
11.	Eligibilities	Security wise clear firm having working experience onboard HINGOL CLASS MPVs of PMSA.		
12.	EDC	45 Days		
13.	Warranty	One year warranty after satisfactory test / trails w.r.t: a. Satisfactory installation of deck frames as per marine standard. b. Satisfactory welding and cutting work as per marine standard. c. Deck frames material should be as per marine standard. d. Only SS material deck plates will be acceptable. e. If any crack or degradation observe in welding and frames will recover by firm during warranty period.		
14.	Acceptance Criteria	a. Satisfactory installation of deck frames as per marine standard. b. Satisfactory welding and cutting work as per marine standard. c. Deck frames material should be as per marine standard. d. Only SS material deck plates will be acceptable.		

FUNCTIONAL REPLACEMENT OF TRANSAS NR400 RADAR WITH FURUNO 2127 FAR – PMSS NUSRAT

1.	Ship's Name	PMSS NUSRAT		
2.	Parent Equipment	Radar		
3.	Sources of Availability	USA/ Japan/ Singapore		
4.	OEM Details	9-52 Ashihara-cho, Nishinomiya-shi, Hyogo 662-8580, Japan		
5.	Work Required			
		a	b	c
		Repair Work Required	Services Required	Spares Required
		Removal of Transas Radar	a. Fabrication of bases foundation for antenna.	a. Processor Unit Model RPU-013.
			b. Installation of Furuno 2127 FAR	b. Antenna Unit: Gearbox/ Scanner Chassis Model RSB-096 (24 Rpm) or RSB-097 (42 Rpm) equipped with the RTR-079 RF Module.
				c. Control Unit (Keyboard): Full Keyboard unit RCU-041 or the Smaller Trackball “palm Control Unit” RCU-015.
				d. Display Unit (Monitor): MU-021CR or MU-231CR (Standard Configurations) or MU-190/MU-231.
			e. Antenna Cable: Specialized Interconnection Cable Available in prefabricated lengths of 15m, 20m, 30m, 50m or 100m.	
6.	Technical Specs	a. Processor Unit Model RPU-013. b. Antenna Unit: Gearbox/ Scanner Chassis Model RSB-096 (24 Rpm) or RSB-097 (42 Rpm) equipped with the RTR-079 RF Module. c. Control Unit (Keyboard): Full Keyboard unit RCU-041 or the Smaller Trackball “palm Control Unit” RCU-015. d. Display Unit (Monitor): MU-021CR or MU-231CR (Standard Configurations) or MU-190/MU-231. e. Antenna Cable: Specialized Interconnection Cable Available in prefabricated lengths of 15m, 20m, 30m, 50m or 100m.		
7.	Eligibilities	1. Firm having working experience of FURUNO Radars/ Systems. 2. Registered and Security Wise Cleared local contractor/ firm who has working experience at PMSA. 3. Firm must visit ship to undertake the exact scope of work prior quoting to avoid inconvenience after award of work order.		
8.	EDC	90 Days		
9.	Warranty	01 x Year		
10.	Acceptance Criteria	1. Upon acceptance of End User. 2. Detailed harbor and sea acceptance trails as per Technical Specifications radar mentioned in technical manual.		

**INSTALLATION OF BLAKE BOTTLE SCREW SLIP WITH PELICAN HOOK - PMSS KASHMIR
& PMSS DASHT**

S No	Details				
	Ships Name	PMSS KASHMIR & PMSS DASHT			
2.	Parent Equipment	Installation of Blake Bottle Screw Slip With Pelican Hook			
3.	Origin	Pakistan			
4.	Sub Equipment	Installation of Blake Bottle Screw Slip With Pelican Hook			
5.	Assembly Component	Installation of Blake Bottle Screw Slip With Pelican Hook			
6.	Quantity	4 x in No (2 x for PMSS KASHMIR) (2 x for PMSS DASHT)			
7.	Justification for Work	Installation of Blake Bottle Screw Slip With Pelican Hook			
8.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)
		b. Installation/ modification of Bolster Ring (Phase-II)	b. Installation/ modification of Bolster Ring (Phase-II)	b. Installation/ modification of Bolster Ring (Phase-II)	b. Installation/ modification of Bolster Ring (Phase-II)
		c. Adjustment of Guillotine Block (Phase-III)	c. Adjustment of Guillotine Block (Phase-III)	c. Adjustment of Guillotine Block (Phase-III)	c. Adjustment of Guillotine Block (Phase-III)
9.	Detailed scope of work	d. Installation of deck eyes and any other requirement	d. Installation of deck eyes and any other requirement	d. Installation of deck eyes and any other requirement	d. Installation of deck eyes and any other requirement
		a	b	c	
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	
		a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	a. Installation of Black Bottle Screw Slip with Pelican Hook (Phase-I)	
		b. Installation/ modification of Bolster Ring (Phase-II)	b. Installation/ modification of Bolster Ring (Phase-II)	b. Installation/ modification of Bolster Ring (Phase-II)	
10.	Technical	c. Adjustment of Guillotine Block (Phase-III)	c. Adjustment of Guillotine Block (Phase-III)	c. Adjustment of Guillotine Block (Phase-III)	
		d. Installation of deck eyes and any other requirement	d. Installation of deck eyes and any other requirement	d. Installation of deck eyes and any other requirement	
		As prescribed by SS			

	Specs	
11.	Eligibilities	As prescribed by SS
12.	EDC	90 x days upon receipt of work order
13.	Warranty	a. 3 x year warranty after delivery b. Material will be reported if deformity or wear is developed during warranty period
14.	Acceptance Criteria	Satisfactory work as per provided sample
15.	Any other relevant info	a. Contact SS/ visit onboard for clear understanding of scope of work b. Damage/ defect occurred is responsibility of contractor

**MAINTENANCE/ SERVICING OF BLUE VISION MONITORING & CONTROL SYSTEM MCS-5
OF MAIN ENGINES - PMSS ZHOB**

S No	Details				
1.	Ships Name	PMSS ZHOB			
2.	Parent Equipment	MTU Blue Vision Monitoring and Control System MCS-5			
3.	OEM	MTU Germany			
4.	Model	MCS-5 Type-II Control System			
5.	Serial No	N/A			
6.	Origin	Germany			
7.	Sub Equipment	MCS-5			
8.	Assembly Component	MCS-5			
9.	Part No. of Assembly Component	X00E50209151/S0008			
10.	Quantity	1 x No			
11.	Source of Availability	MTU Friedrichshafen GmbH			
12.	Justification for Work	MTU Blue Vision Monitoring and Control System MCS-5 malfunctioning.			
13.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		MTU Blue Vision Monitoring and Control System MCS-5 malfunctioning	Servicing of MTU Blue Vision Monitoring and Control System MCS-5 through OEM/ local engineering house.	See S No 16 para b	See S No 16 para c
14.	Detailed scope of work	a	b	c	
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	
		Servicing of MTU Blue Vision Monitoring and Control System MCS-5 through OEM/ local engineering house.	a. Servicing of monitoring control unit (MCU). b. Servicing of Peripheral interface unit (PIU-1). c. Servicing of management of personal computer (MPC-4). d. Servicing of power supply unit (PSU). e. Servicing of local operating panel (LOP). f. Servicing of gearbox control unit (GCU). g. Servicing of priming pump control unit (PPU). h. Servicing of programmable process unit (PPS). j. Servicing of peripheral	1 x MPC card with OEM software Part No: G82-00037	

		interface module (PIM). k. Servicing of main panel (PAN). l. Servicing of remote control system (RCS).	
15.	Technical Specs	As per OEM Manual/ Specs	
16.	Eligibilities	Authorized rep of OEM/ Local contractor having relevant working experience. Contractor is to visit the ship in order to understand the scope of work.	
17.	EDC	30 Days	
18.	Warranty	2-year	
19.	Acceptance Criteria	a. OEM (MTU Germany). b. Upon scrutiny of items and provided documents i.e technical specifications alongwith production certificate and batch no by OEM. c. OEM certificate of test/trials. d. Satisfactory working of system (MTU Blue Vision Monitoring and Control System MCS-5) after maintenance. e. Satisfactory trials by end users.	
20.	Any other relevant info	a. Growth Work, Damage/ defect occurred during work is responsibility of contractor and will repair/ maintenance free of cost by the contractor. b. Contactor may contact SS/ visit onboard ship to resolve any query.	

OVERHAULING OF CHILLER COOLING SEA WATER PUMP NO 01 & 02 - PMSS DASHT

S No	Details				
	Ships Name	PMSS DASHT			
2.	Parent Equipment	Air Conditioning System JTLS-168 (IV) Marine Light Water Chiller			
3.	OEM	China			
4.	Model	JTLS-42 (I) Water Chiller Module			
5.	Serial No	CLH80-65-9(Z)			
6.	Origin	China			
7.	Sub Equipment	Chiller Cooling Seawater Pump			
8.	Assembly Component	Pump Body, Shaft, Impeller and Mechanical Seal			
9.	Quantity	02			
10.	Source of Availability	Local Contractor			
11.	Justification for Work	Overhauling of Seawater Pump No 1&2.			
12.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		As per defect history	Overhauling of Seawater Pump No 1&2.	a. Sea Water Pumps to be removed and dismantled completely. b. All degraded/defective components to be fabricated new as per sample. Bronze and cast steel material should be used. c. Pump body/ casing is to be made new as per sample. d. Sea Water Pump to be installed back, followed by successful onboard trials up to command satisfaction. e. Replacement of all Nuts/ Bolts with new one of SS. f. System will be blanked on priority with exact size of blank to be provided by the firm. g. Pump suction/ Discharge lines should be inspected/ repaired/	

				replaced (in needed) by the firm h. Mechanical seal/ Shaft/ Impeller will be installed after clearance by ship staff of exact material. j. 02 x Impeller (Bronze) will be provided by the firm as spare for any emergency failure of pump during sea tasking. k. Pump should be cleaned/ serviced/ painted before reinstallation onboard. l. All in way accessories be removed by firm and fitted back. m. Growth work will be solely responsibility of firm. n. Any other leakage observed during dismantling/installation work will be responsibility of firm.									
13.	Detailed scope of work	<table><tr><th>a</th><th>b</th><th>c</th></tr><tr><th>Detail of Repair Work Required</th><th>Detail of Services Required</th><th>Detail of Spares Required</th></tr><tr><td>Overhauling of Seawater Pump No 1&2.</td><td>See Para No 12</td><td>See Para No 12</td></tr></table>			a	b	c	Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	Overhauling of Seawater Pump No 1&2.	See Para No 12	See Para No 12
a	b	c											
Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required											
Overhauling of Seawater Pump No 1&2.	See Para No 12	See Para No 12											
14.	Technical Specs	As per technical Specs/ Manual.											
15.	Eligibilities	Reputable local contractor having relevant working experience onboard HINGOL class ships.											
16.	EDC	30 x Days											
17.	Warranty	01 x Year											
18.	Acceptance Criteria	a. OEM Certified spares should be used only b. Satisfactory operation of Chiller seawater pumps in presence of MEO/ SS. c. Satisfactory operation without leakage. d. Any damage during work is responsibility of contractor.											
19.	Any other relevant info	Contact must visit onboard for clear understanding of scope of work											

IT NO: IT/99/11/2026-27
OVERHAULING OF LUBE OIL TRANSFER PUMP - PMSS KOLACHI

S No	Details				
1.	Ships Name	PMSS KOLACHI			
2.	Parent Equipment	LUBE OIL TRANSFER PUMP			
3.	OEM	HEBEI HENGSHENG PUMPS CO., LTD.			
4.	Model	KCB83.3			
5.	Origin	China			
6.	Sub Equipment	KCB83.3 OIL PUMP			
7.	Assembly Component	Driving Gear Shaft Driven Gear Shaft Mechanical Seal Bearing Safety Valve Spring Elastic Block 2#Kerosene 90#Industrial Gear Oil Hairbrush QB/T Graphite Paper 3#Lubricating Grease			
8.	Part No. & Qty	S No	NSN/Part No	Description	Qty
		a.	4320PV3130006	Driving Gear Shaft	1
		b.	4320PV3130005	Driven Gear Shaft	1
		c.	9320PV1010713	Mechanical Seal	4
		d.	4320PV3110004	Bearing	4
		e.	4320PV3130011	Safety Valve Spring	1
		f.	3010PV8001001	Elastic Block	1
		g.	9140PV0010004	2#Kerosene	6 Ltr
		h.	9150PV0010003	90#Industrial Gear Oil	1 Ltr
		j.	7920PV0020004	Hairbrush QB/T	1
		k.	9310PV0012129	Graphite Paper	4
		l.	9150PV0020016	3#Lubricating Grease	0.2kg
9.	Quantity	As per S No 8			
10.	Source of Availability	OEM, Local Market			
11.	Justification for Work	Overhauling of Lube Oil Transfer Pump is required for SAT Ops as per MMS routine (PMS No 3-4207-0000, PM-011, Periodicity 4A)			
12.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		PM-011	Overhauling of pump required as per PMS routine	Overhauling of Lube Oil Transfer Pump required for SAT OPS	As per S No 7 & 8

13.	Detailed scope of work	a		b		c	
		Detail of Repair Work Required		Detail of Services Required		Detail of Spares Required	
		Overhauling of Lube Oil Transfer Pump as per PMS routine required for SAT OPS. Moreover, defective/ degraded parts must be replaced with new.		Overhauling of Lube Oil Transfer Pump as per PMS routine required for SAT OPS. Moreover, defective/ degraded parts must be replaced with new.		As per S No 7 & 8	
14.	Technical Specs	S No	Description	Working Pressure	Flow Rate	Weight	Speed (RPM)
		a	Lube Oil Transfer Pump	0.33 MPa	5m ³ /h	0.46 Kg	1420
15.	Eligibilities	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. Pump should run smoothly without any leakage, noise and vibration c. Pump should provide discharge pressure as per tech manual d. Motor winding must be pure copper e. Motor running current should be as per tech manual. f. Any growth work after dismantling of pumps will be beard by firm g. Firm will not be allowed to use ship tools and manpower.					
19.	Any other relevant info	Contractor/ Rep of firm should visit ship prior quoting to inspect exact scope of work.					

OVERHAULING OF MAIN ENGINE NO 1 AND 2 GEARBOXES - PMSS DASHT

S No	Details			
1.	Ships Name	PMSS DASHT		
2.	Parent Equipment	Main Engine No 1 & 2		
3.	OEM	MTU		
4.	Model	9050 ZF		
5.	Origin	Germany		
6.	Sub Equipment	Gearbox Main Engine No 1 & 2		
7.	Assembly Component	9050 ZF FRIEDRICHSHAFEN AG GERMANY		
8.	Part No. of Assembly Component	3103-002-035		
9.	Quantity	02		
10.	Source of Availability	MTU		
11.	Justification for Work	Overhauling of Main Engine No 1 and 2 Gearboxes.		
12.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		NA	Overhauling of Main Engine No 1 and 2 Gearboxes.	Overhauling of Main Engine No 1 and 2 Gearboxes.
13.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Overhauling of Main Engine No 1 and 2 Gearboxes.	Overhauling of Main Engine No 1 and 2 Gearboxes.	NA
14.	Technical Specs	As per technical manual		
15.	Eligibilities	Reputable contractor having relevant work experience (with 1 PMSA		
16.	EDC	30 x Days		
17.	Warranty	01 x Year		
18.	Acceptance Criteria	Technical specifications to be provided by contractor.		

IT NO: IT/99/13/2026-27
OVERHAULING OF STARTER PANELS - PMSS NUSRAT

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	Starters panels		
3.	Assembly Component	Starters panels		
4.	Quantity	07 x Panels		
5.	Justification for Work	Overhauling of Starter panels to improve efficiency		
6.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Overhauling of Starter panels to improve efficiency	Overhauling of Starters panels for sat ops	See detail S No 14 Column b
7.	Detailed scope of work	d	e	f
		Spares Required	Detail of Repair Work Required	Detail of Services Required
		As per requirement	Overhauling of Starters panels for sat ops	a. Servicing/ overhauling of battery charging/ discharging panel, rectifier and replacement of change over breaker and fuses. b. Servicing/ overhauling of fuel oil transfer pump motor and starter panel. c. Servicing/ overhauling of SSDGs local panel. d. Overhauling/ replacement of man overboard control panel switches and cables. e. All defective equipment should be replaced with new as per specification. f. Old / defective parts/ components are to be handed over to SS. g. All spares (must be genuine) tools, special equipment / accessories for said repair, replacement are to be arranged by the firm. h. Any damage / defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the firm. j. The firm will be responsible to undertake any work not covered above to ensure good quality of work. k. The firm will be responsible for requirement of external services. l. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work.

			h. There will be no growth of work	
8.	Technical Specs	As per scope of work		
9.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares. b. The firm should have good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered		
10.	EDC	03 x week after issuance of work/ confirmation order		
11.	Warranty	01 year from the date of acceptance		
12.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS		

PROCUREMENT OF MARINE RELATED INTERNATIONAL PAINTS – HQ PMSA

S No	Details						
1.	Ships Name	HQ PMSA					
2.	Parent Equipment	Paint					
3.	OEM	AkzoNobel International Paints					
4.	Stores Required	S No	Description	Classification / Nomenclature	Application / Description	Pack Size Ltr	Qty Required
		a.	Intershield 300	ENA301 – Aluminium; ENA300 – Bronze	Anticorrosive Epoxy Primer	17.5 Ltr	As Per Requirement
		b.	Intergard 5600	KUA602 – Grey; KUA606 – Red	Universal Epoxy Primer	20 Ltr	
		c.	Interseal 670HS	EGA236 – Grey	Surface Tolerant Epoxymastic Primer	20 Ltr	
		d.	Intergard 400	EPA001 – Dark Grey; EPA007 – Light Grey	Abrasion Resistant Epoxy General Purpose Primer with MIO	20 Ltr	
		e.	Intergard 263	FAJ034 – Light Grey	Epoxy Tie Coat / Mid Coat	20 Ltr	
		f.	Intersmooth 7460HS	BEA754 – Brown; BEA757 – Red; BEA751 – Black	Self Polishing Antifouling TBT Free	20 Ltr	
		g.	Interspeed 6400	BQA648 – Brown; BQA649 – Black	TBT Free Antifouling Controlled Depletion Polymer	20 Ltr	
		h.	Interswift 6800HS	BMA684 – Red; BMA688 – Brown; BMA689 – Black	Self Polishing Co-Polymer Antifouling	20 Ltr	
		i.	Interthane 990	PHB000 – White	Polyurethane Finish Coat / Top Coat	20 Ltr	
		j.	Interthane 870	—	Polyurethane Finish Coat / Top Coat	20 Ltr	
		k.	Interlac 665	—	Alkyd Finish Coat / Top Coat	20 Ltr	
		l.	Intersheen 579	—	Modified Acrylic Finish Coat / Top Coat	20 Ltr	
		m.	Interline 850	TLA850 – White; TLA851 – Grey	Epoxy Phenolic Tank Lining / Tank Coating	20 Ltr	
		n.	Interline 925	THA127 – White; THA126 – Cream	Solvent Free Pure Epoxy Ballast Tank Lining / Tank Coating	20 Ltr	
		o.	HI-Build Epoxy Zinc Phosphate Primer	Red	Epoxy Zinc Phosphate Primer for Engine Rooms and Bilges	4 Ltr	
		p.	HI-Build Epoxy Finish	Smoke Grey	Epoxy Top Coat / Finish Coat for Engine Rooms and Bilges	4 Ltr	
		q.	Thinner GTA 220	—	Thinner for Primer and Tie Coat	20 Ltr / 4 Ltr	
		r.	Thinner GTA 007	—	Thinner for Tie Coat and Antifouling	20 Ltr / 4 Ltr	
		s.	Thinner GTA 713	—	Thinner for Finish Coat / Top Coat	20 Ltr / 4 Ltr	
5.	Detailed scope of work	Procurement of Marine Related International Paints					

6.	Technical Specs	As per OEM Manual / Specs, including applicable OEM Technical Parameters are mentioned below:																																																																																																																																																																																																							
		S No	Product	Volume Solids	DFT	Coverage	Curing Duration	Surface Preparation	Mix Ratio	Shelf Life	IMPA/ISSA	a.	Intershield 300	60%	125 µm	4.8 m²/L	3 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	2.5:1	12 mo A / 12 mo B	25 10 43 / 25 10 44	b.	Intergard 5600	68%	160 µm	4.25 m²/L	5 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	15 mo A / 12 mo B	—	c.	Interseal 670HS	82%	125 µm	6.56 m²/L	4 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	5.67:1	18 mo A / 18 mo B	—	d.	Intergard 400	65%	125 µm	5.2 m²/L	8 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	5.2:1	12 mo A / 12 mo B	—	e.	Intergard 263	57%	100 µm	5.7 m²/L	12 hrs @35°C	Refer Product TDS	4:1	18 mo A / 18 mo B	25 05 06	f.	Intersmooth 7460HS	54%	75–200 µm	2.7 m²/L	35 hrs @35°C	Refer Product TDS	—	12 mo	25 16 77	g.	Interspeed 6400	60%	75–150 µm	4.0 m²/L	7 hrs @35°C	Refer Product TDS	—	12 mo	25 16 43	h.	Interswift 6800HS	62%	75–200 µm	3.1 m²/L	7 hrs @35°C	Refer Product TDS	—	18 mo	25 16 47	i.	Interthane 990	57%	50 µm	11.4 m²/L	4 hrs @35°C	Refer Product TDS	6:1	24 mo A / 18 mo B	25 07 16	j.	Interthane 870	56%	125 µm	4.48 m²/L	5 hrs @25°C	Refer Product TDS	7:1	12 mo A / 12 mo B	—	k.	Interlac 665	40%	40 µm	12 m²/L	12 hrs @35°C	Refer Product TDS	—	24 mo	25 03 02	l.	Intersheen 579	35%	40 µm	8.75 m²/L	8 hrs @35°C	Refer Product TDS	—	24 mo	25 05 17	m.	Interline 850	76%	125 µm	6.08 m²/L	5 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	12 mo A / 12 mo B	25 10 85	n.	Interline 925	100%	300 µm	3.33 m²/L	8 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	3:1	18 mo A / 18 mo B	25 10 85	o.	Hi-Build Epoxy Zinc Phosphate Primer	56%	45–50 µm	11–12 m²/L	16 hrs @25°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	12 mo A / 12 mo B	—	p.	Hi-Build Epoxy Finish	50%	45–55 µm	9–11 m²/L	16 hrs @25°C	Refer Product TDS	6:1	12 mo A / 12 mo B	—	q.	Thinner GTA 220	—	—	—	—	—	—	24 mo	25 14 47	r.	Thinner GTA 007	—	—	—	—	—	—	24 mo	25 14 46	s.	Thinner GTA 713	—	—	—	—	—	—	24 mo	25 14 48
		S No	Product	Volume Solids	DFT	Coverage	Curing Duration	Surface Preparation	Mix Ratio	Shelf Life	IMPA/ISSA																																																																																																																																																																																														
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		b.	Intergard 5600	68%	160 µm	4.25 m²/L	5 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	15 mo A / 12 mo B	—																																																																																																																																																																																														
		c.	Interseal 670HS	82%	125 µm	6.56 m²/L	4 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	5.67:1	18 mo A / 18 mo B	—																																																																																																																																																																																														
		d.	Intergard 400	65%	125 µm	5.2 m²/L	8 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	5.2:1	12 mo A / 12 mo B	—																																																																																																																																																																																														
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		f.	Intersmooth 7460HS	54%	75–200 µm	2.7 m²/L	35 hrs @35°C	Refer Product TDS	—	12 mo	25 16 77																																																																																																																																																																																														
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		i.	Interthane 990	57%	50 µm	11.4 m²/L	4 hrs @35°C	Refer Product TDS	6:1	24 mo A / 18 mo B	25 07 16																																																																																																																																																																																														
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		k.	Interlac 665	40%	40 µm	12 m²/L	12 hrs @35°C	Refer Product TDS	—	24 mo	25 03 02																																																																																																																																																																																														
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		m.	Interline 850	76%	125 µm	6.08 m²/L	5 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	12 mo A / 12 mo B	25 10 85																																																																																																																																																																																														
		n.	Interline 925	100%	300 µm	3.33 m²/L	8 hrs @35°C	Sa 2.5 abrasive blast cleaning; refer TDS	3:1	18 mo A / 18 mo B	25 10 85																																																																																																																																																																																														
		o.	Hi-Build Epoxy Zinc Phosphate Primer	56%	45–50 µm	11–12 m²/L	16 hrs @25°C	Sa 2.5 abrasive blast cleaning; refer TDS	4:1	12 mo A / 12 mo B	—																																																																																																																																																																																														
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		q.	Thinner GTA 220	—	—	—	—	—	—	24 mo	25 14 47																																																																																																																																																																																														
r.	Thinner GTA 007	—	—	—	—	—	—	24 mo	25 14 46																																																																																																																																																																																																
s.	Thinner GTA 713	—	—	—	—	—	—	24 mo	25 14 48																																																																																																																																																																																																
7.	Eligibilities	a. OEM recommended stores / products. The offered products shall conform to the specified AkzoNobel International Paint product names, b. classifications/nomenclatures, colors/ codes and applicable OEM specifications.																																																																																																																																																																																																							
8.	Source of Availability	International																																																																																																																																																																																																							
9.	EDC	30 x Days																																																																																																																																																																																																							
10.	Warranty	01 Year																																																																																																																																																																																																							
11.	Acceptance Criteria	a. Upon acceptance / inspection by the End User. b. Product conformity, identification, packing, quantity, colour/code where specified, shelf life and compliance with applicable OEM specifications/TDS shall be verified at acceptance.																																																																																																																																																																																																							
12.	Any other relevant info	Contractor may contact concerned PMSA staff / visit onboard ship to resolve queries.																																																																																																																																																																																																							

PRESSURE TESTING OF PORTABLE FIRE EXTINGUISHERS - PMSS NUSRAT

S No	Details				
1.	Ships Name	PMSS NUSRAT			
2.	Parent Equipment	Firefighting system			
3.	Origin	China			
4.	Sub Equipment	Portable fire extinguishers			
5.	Assembly Component	Portable fire extinguishers			
6.	Quantity	35 x No			
7.	Justification for Work	Portable fire extinguisher are to be pressure tested			
8.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Portable fire extinguisher are to be pressure tested	Portable fire extinguisher are to be pressure tested	See detail S No 9 Column b	As per requirement
9.	Detailed scope of work	a	b	c	
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	
		Pressure testing of Portable fire extinguishers required for sat ops	a. Pressure testing of all portable extinguishers i.e 10 x CO ₂ 2kg, 10 x CO ₂ 5kg, 10 x AFFF and 05 x DCP b. Refilling of all portable extinguishers after pressure testing. c. If any portable firefighting extinguisher found deteriorated replaced with new. d. Special tools and spares are to be arranged by the firm for said work. e. The firm will be responsible to undertake any work not covered above to ensure good quality of work. f. The firm will be responsible for requirement of external services. g. The firm will be responsible for transportation work during warranty/ guarantee period claims and in case of any re-work. h. There will be no growth of work	As per requirement	
10.	Technical Specs	As per scope of work			

11.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares. b. The firm should have good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered
12.	EDC	03 week after issuance of work/ confirmation order
13.	Warranty	01 year from the date of acceptance
14.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS

PROCUREMENT AND INSTALLATION OF ELECTRICAL FITTINGS – HQ PMSA

S No	IT Specifications	
1.	Unit	HQ PMSA
2.	Parent Equipment	Wiring
3.	Make	Pakistan
4.	Scope of Work	a. The work shall comprise the complete supply, installation, testing, commissioning of new electrical wiring and associated electrical accessories at the PMSA Complex. b. The contractor shall provide all materials, labour, tools, equipment, transportation, testing instruments, supervision, and other resources necessary to complete the work in accordance with these specifications, approved drawings, applicable electrical codes, and the instructions of the Engineer/Project Manager. c. The scope shall generally include: • Supply and installation of new electrical cables and wires. • Installation of switch boxes, junction boxes, pull boxes, and adaptable boxes. • Installation of switches, sockets, isolators, and other electrical accessories. • Installation of dedicated circuits for air conditioners, water heaters, pumps, computers, printers, and other equipment. • Installation and upgrading of earthing and protective earth connections. • Making good all openings, chases, walls, ceilings, and surfaces disturbed during the work.
5.	Eligibility Criteria	Acceptance by End-user FRB & SRB registered firm
6.	EDC	Within 30 Days
7.	Warranty	01 x Year
8.	Acceptance Criteria	All electrical installation work shall be carried out by qualified and experienced electricians under the supervision of a competent electrical supervisor/engineer

IT NO: IT/99/17/2026-27
PROCUREMENT/ INSTALLATION OF 32 X CYLINDERS HEADS GASKETS OF MAIN
ENGINE 03 & 04 - PMSS ZHOB

S No	Details																
1.	Ships Name	PMSS ZHOB															
2.	Parent Equipment	MTU 16V400073L MAIN ENGINE NO 3 & 4															
3.	OEM	MTU Germany															
4.	Model	16 V 4000 M73L															
5.	Origin	Germany															
6.	Sub Equipment	Cylinders head															
7.	Assembly Component	Cylinders head gasket															
8.	Part No. of Assembly Component	Gasket for cylinder head Part No: X52404200037															
9.	Quantity	32 x No															
10.	Source of Availability	MTU Friedrichshafen GmbH A Rolls-Royce Power Systems Company															
11.	Justification for Work	Main Engines 3 and 4 cylinders heads gaskets found deteriorated.															
12.	Work Required	<table><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td>Defect/ Routine List</td><td>Repair Work Required</td><td>Services Required</td><td>Spares Required</td></tr><tr><td>Main Engines 3 and 4 cylinders heads gaskets found deteriorated</td><td>Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.</td><td>See S.No 14 Para b</td><td>See S.No 14 Para c</td></tr></table>				a	b	c	d	Defect/ Routine List	Repair Work Required	Services Required	Spares Required	Main Engines 3 and 4 cylinders heads gaskets found deteriorated	Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	See S.No 14 Para b	See S.No 14 Para c
		a	b	c	d												
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required												
Main Engines 3 and 4 cylinders heads gaskets found deteriorated	Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	See S.No 14 Para b	See S.No 14 Para c														
13.	Detailed scope of work	<table><tr><td>a</td><td>b</td><td>c</td></tr><tr><td>Detail of Repair Work Required</td><td>Detail of Services Required</td><td>Detail of Spares Required</td></tr><tr><td>Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.</td><td>Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.</td><td>Gasket for cylinder head Part No: X52404200037</td></tr></table>				a	b	c	Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	Gasket for cylinder head Part No: X52404200037			
		a	b	c													
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required													
Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	Replacement of ME 3 and 4 cylinders heads gaskets through OEM/ local engineering house.	Gasket for cylinder head Part No: X52404200037															
14.	Technical Specs	As per OEM manual/ spec															
15.	Eligibilities	a. Authorized rep of OEM/ Local contractor having relevant working experience. b. Contractor is to visit the ship in order to understand the scope of work. c. Firm must visit for understanding exact nature of work.															
16.	EDC	90 Days															
17.	Warranty	2 year															
18.	Acceptance Criteria	a. Satisfactory replacement/ installation of cylinders' heads gaskets of Main Engines No 3 & 4. b. Provide certified Spares/ OEM recommended spares.															
19.	Any other relevant info	a. Growth Work, Damage/ defect occurred during work is responsibility of contractor and will repair/ replacement free of cost. b. Contactor may contact SS/ visit onboard ship to resolve any query.															

IT NO: IT/99/18/2026-27
PROCUREMENT/ INSTALLATION OF SURVEILLANCE EQUIPMENT FOR FRB-159-
EASTERN WING/ FRBs

S No	Details					
1.	Ships Name	FRB-159				
2.	Parent Equipment	Surveillance Equipment				
3.	OEM	Furuno				
4.	Make	Furuno, Japan				
5.	Model	Furuno, Japan				
6.	Origin	Japan				
7.	Sub Equipment	Radar, GPS, Depth sounder alongwith accessories				
8.	Assembly Component	Radar, GPS, Depth sounder alongwith accessories				
9.	Part No. of Assembly Component	As mentioned below at S No 14				
10.	Quantity	08 (As per list mentioned below)				
11.	Source of Availability	Any suitable				
12.	Justification for Work	FWT				
13.	Work Required	Procurement/installation of surveillance equipment for FRB-159				
14.	Detailed scope of work	Procurement/installation of following of surveillance equipment for FRB-159:				
		S No	Part Number	Description	Make/ Origin	Qty
		a.	RDP-149	FURUNO COLOR LCD display/ chat plotter SPECIFICATION: Type: 10.4" Color TFT LCD,640 x 480 pixels Display mode: Head-up, Course-up*, North-up*, True motion Range Scales: 0-36 NM Memory capacity: Upto 8000 points for ship's track and marks, 999 way points, 35 quick points, 01 MOB, 200 Planned routes(Max 35 way points/route), 01 Quick Route Electronics Charts: C-Map NT MAX or Navionics@GOLD	FURUNO/ JAPAN	02
		b.	HUB-101	FURUNO HUB Specifications: Navnet Interface: Ethernet 10 Base-T	FURUNO/ JAPAN	01
		c.	RSB	FURUNO Scanner Open Or Dome Type Specifications: Output Power: 4 KW Frequency: 9410±30 MHz(X-Band) Pulse Length & PRR: 0.08 ps/2100 Hz(0.125 to 1.5 NM) 0.3 ps/ 1200 Hz(1.5 to 3 NM) 0.8 ps/600 Hz(3 to 48 NM) Size: 24 Inch Beam Width: 3.9°-20° Max Range: 36 NM	FURUNO/ JAPAN	01
		d.	DFF-1	FURUNO Network Sunder Specifications: Display Modes: Single(50 or 200 KHz), Dual (50 or 200 KHz), Bottom-	FURUNO/ JAPAN	01

				Lock, Bottom Zoom, Bottom Discrimination, Marker Zoom, A-Scope Frequency: Dual Frequency 50 KHZ & 200 KHZ Output Power: 600 W/1 KW		
		e.	B-45	FURUNO AIRMAR TRANSDUCER <u>Specifications:</u> 600 W 50/200 KHZ: 520 to 5PSD(Plastic, thru-Hull) 520- 5MSD(Bronze, thru-Hull), 520-5PWD(Plastic, Transom), 525ST- MSB, Bronze, thru-Hull with speed/temp Sensor), 525ST-PWD(Plastic, transom with speed/temp Sensor) 1 KW(Optional Matching Box MB- 1100 may be required) 50KHZ: 50B- 6,50B-6B,50B-9B 200 KHZ: 200B-5S 50/200KHZ: 50/200-1T, 50/200-12M	FURUNO/ JAPAN	01
		f.	GP-32	Furuno Gps <u>Specifications:</u> Receiver Type: 12 Discrete Channels, C/A Code, All In View, Waas Receiver Frequency: L1 (1575.42 Mhz) Geodetic Systems: WGS-84, NAD- 27 & Others	FURUNO/ JAPAN	01
		g.		Gyro (if required)	FURUNO/ JAPAN	01
		h.		All Connecting Cables	FURUNO/ JAPAN	01
		j.	Communication Equipment	VHF I COM (TX/ RX) TX 156-157 MHz 156-163 MHz		01
15.	Technical Specs	As mentioned at S No 14				
16.	Eligibilities	Any local/international firm having experience of supplying/ installation of surveillance equipment onboard small boats				
17.	EDC	30 days				
18.	Warranty	01 year after installation onboard				
19.	Acceptance Criteria	Inspection by end user and successful onboard trials after installation				
20.	Any other relevant info	Provision of OEM operation, Maintenance manuals alongwith parts catalogue and defect diagnostic software/ tools/ spare boxes.				

PROCUREMENT OF 22 X FIREFIGHTING HOSES REELS & BOXES - PMSS ZHOB

S No	Details			
1.	Ships Name	PMSS ZHOB		
2.	Parent Equipment	Firefighting Hoses Reels and Boxes		
3.	Sub Equipment	Firefighting Hoses Reels and Boxes		
4.	Assembly Component	Firefighting Hoses Reels and Boxes		
5.	Quantity	22 x No		
6.	Justification for Work	Firefighting Hoses Reels and Boxes found deteriorated required replacement.		
7.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		N/A	Replacement of firefighting hoses reels and boxes through OEM/ local engineering house.	See S.No 8 Para b
8.	Detailed scope of work	a	b	d
		Detail of Repair Work Required	Detail of Services Required	Spares Required
		Replacement of firefighting hoses reels and boxes through OEM/ local engineering house.	Replacement of firefighting hoses reels and boxes through OEM/ local engineering house.	See S.No 8 Para c
9.	Technical Specs	As per OEM manual/ spec		
10.	Eligibilities	a. Authorized rep of OEM/ Local contractor having DC and FF working experience. Contractor is to visit the ship in order to understand the scope of work. b. Firm must visit for understanding exact nature of work.		
11.	EDC	45 Days		
12.	Warranty	2 year		
13.	Acceptance Criteria	Provide certified/ OEM recommended spares.		
14.	Any other relevant info	Contactor may contact SS/ visit onboard ship to resolve any query.		

IT NO: IT/99/20/2026-27
PROCUREMENT OF CABLE - WESTERN WING PMSA BASE ORMARA

S No	Details			
1.	Ships Name	WESTERN WING/ PMSA BASE ORMARA		
2.	Parent Equipment	PMSA BASE ORMARA		
3.	OEM	Fast/ Pakistan Cables		
4.	Origin	Pakistan		
5.	Quantity	S No	Description	Make/ Model
		a.	440 Volt 3 Phase 4 Core 35mm Copper/ silver Cable	Fast/ Pakistan Cables
6.	Justification for Work	Items are essentially required for operationalization of 02 x RHIBs		
7.	Technical Specs	As per Technical Manual		
8.	Eligibilities	Any well-known national/ international firm having good experience.		
9.	Warranty	01 year after installation onboard.		
10.	Acceptance Criteria	Inspection of all parts by end user.		

PROCUREMENT OF GYROSPHERE FOR STD-22 GYROCOMPASS - PMSS KASHMIR & PMSS BASOL

S No	Details			
1.	Ships Name	PMSS KASHMIR & PMSS BASOL		
2.	Parent Equipment	Gyro STD-22		
3.	OEM	Raytheon Anschutz GmbH, Germany		
4.	Serial No	3495847		
5.	Origin	OEM		
6.	Sub Equipment	NG-002 Gyrocompass		
7.	Assembly Component	Gyrosphere		
8.	Part No. of Assembly Component	111-006 (NSN 6605123495847)		
9.	Quantity	02		
10.	Source of Availability	OEM/ Local Contractor		
11.	Justification for Work	Procurement of 02 x Gyrospheres for Gyros STD-22 for SAT Ops		
12.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		N/A	N/A	Procurement/ installation of 02 x Gyrosphere for Gyro STD-22 "A" & "B"
13.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		N/A	N/A	Procurement/ installation of 02 x Gyrosphere for Gyro STD-22 "A" & "B"
14.	Technical Specs	a. Power Supply: 54-56 VAC b. Current: 160-250 mA c. Heating Voltage: 72 VDC, 400 Hz d. Pump Voltage: 24VAC, 50 Hz e. Transmission: Inductive, Slip ring-free power, data transmission. f. Contains Supporting Liquid and Distilled Water		
15.	Eligibilities	Reputable Local/ International contractor registered with FBR having working experience with PMSA.		
16.	EDC	90 Days		
17.	Warranty	02 Years		
18.	Acceptance Criteria	End User Satisfaction after successful trials. Firm registered with FBR		

PROCUREMENT OF MAIN ENGINE NO 2 PISTON & LINER - PMSS DASHT

S No	Details			
1.	Ships Name	PMSS DASHT		
2.	Parent Equipment	Main Engine No 2		
3.	OEM	MTU		
4.	Model	16V4000M73L		
5.	Origin	Germany		
6.	Sub Equipment	Main Engine No 2		
7.	Assembly Component	Piston, Piston Rings, Connecting Rod, Cylinder Liner.		
8.	Part No. of Assembly Component	Piston, Piston Rings, Connecting Rod, Cylinder liner Part No 234110200000, X00035890, XS595030, X00027830		
9.	Quantity	04		
10.	Source of Availability	MTU		
11.	Justification for Work	Procurement/ demand of mechanical spares Main Engine No 2		
12.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		N/A	Procurement/ demand of mechanical spares w.r.t Main Engine No 2.	a. Dismantling and installation of Main Engine No 2 Piston, Piston Rings, Connecting Rod and Cylinder Liner. b. Replacement of Main Engine No 2 Piston, Piston Rings, Connecting Rod and Cylinder Liner.
13.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Procurement/ demand of mechanical spares w.r.t Main Engine No 2.	a. Dismantling and installation of Main Engine No 2 Piston, Piston Rings, Connecting Rod and Cylinder Liner. b. Replacement of Main Engine No 2 Piston, Piston Rings, Connecting Rod and Cylinder Liner.	Piston, Piston Rings, Connecting Rod and Cylinder Liner.
14.	Technical Specs	As per Technical Manual/ OEM.		
15.	Eligibilities	a. Must have relevant experience in procurement of said spares. b. Only OEM recommended spares must be used.		

		Firm must visit site for understanding exact nature of defect/ hindrances involved in job prior quoting to avoid inconvenience on later stage after award of Work Order.
16.	EDC	45 x Days
17.	Warranty	01 x Year
18.	Acceptance Criteria	a. OEM certified spares should be used. b. Technical specifications to be provided by Firm.
19.	Any other relevant info	Contact / firm visit onboard to resolve any query.

IT NO: IT/99/23/2026-27
PROCUREMENT OF NAVAL STORE ITEMS FOR ALL PMSA UNITS - PMSS INDUS
WAREHOUSE

S No	Details	
1.	Ships Name	PMSS INDUS/WAREHOUSE
2.	Parent Equipment	Naval Store items
3.	OEM	Pakistan/Local
4.	Model	As Per Sample
5.	Origin	Pakistan
6.	Sub Equipment	Naval Store items
7.	Quantity	See attached list (Page 1 & 2)
8.	Work Required	Purchase of Naval Store items for all PMSA Units/Ships
9.	Eligibilities	a. The firm should be NTN/GST registered. b. The firm should be registered with HQ PMSA c. Items should be procure as per Make/ Brand Mentioned in the below list.
10.	EDC	45 Days after Issuance of order
11.	Warranty	06 x Months
12.	Acceptance Criteria	Accepted by Warehouse Staff

LIST OF NAVAL STORES ITEMS

S.NO	DESCRIPTION	BRAND	MODEL	DEN	QTY REQ
1.	ACID	LOCAL	LOCAL (10 Ltrs Packing)	LTR	200
2.	AIR WICK REFILL	AIR WICK	SANDAL WOOD	NOS	24
			TURQUOISE OASIS	NOS	24
			SUMMER DELIGHT	NOS	24
			CRISP LINEN & LILAC	NOS	12
			WINTER WALKS	NOS	24
			PINK SWEET PEA	NOS	12
			SMOOTH SATIN & MOON LILY	NOS	12
			WHITE FLOWER	NOS	24
			VANILA FLAVOUR	NOS	24
			MEDITERRANEAN SUN	NOS	12
			AQUA	NOS	24
			Anti TOBACO	NOS	24
3.	AIR FRESHENER	PERFECT	MUSK	NOS	60
			ZONE2	NOS	60
			AZZURA	NOS	48
			MAN	NOS	48
			COOL	NOS	48
			Anti Tobacco	NOS	48
			BLOOM	NOS	60
			BAKHOOR	NOS	60
			DREAM	NOS	60
			HEAVEN	NOS	60
			TEA ROSE	NOS	60
			ASLEE	NOS	60
			JEANS	NOS	60
			MUBARAK	NOS	60
			GENTLE MAN	NOS	48
			LAVENDER	NOS	60
4.	BAG POLYTHENE 18X24	WIPES	18X24	ROLL	350
5.	BAG POLYTHENE 24 X 36	WIPES	24X36	ROLL	200
6.	BAG POLYTHENE 30 X 50	WIPES	30X50	ROLL	300
7.	CAR POLISH 450ML	7CF	LOUD	NOS	48
			LEMON	NOS	36
			STRAWBERRY	NOS	36
8.	CHLORINE TABLETS	HI-CLEAN	100 TABLETS	BOX	02
9.	COOPEX POWDER	MORTINE	100 GMS	NOS	100
10.	COUNTRY BROOM	LOCAL	500 GMS	NOS	600
11.	COUNTRY BROOM (PHOOL JHARO)	LOCAL	400 GMS	NOS	200
12.	DUST BIN WITH COVER	PHEONIX	PEDDLE BIN	NOS	100
13.	DUST PICKER	PLASTIC	FINE QUALITY	NOS	60
14.	DUSTER	FINE QUALITY	FINE QUALITY (18X24)	PKT	200
15.	VEHICLE CLEANING TOWEL LARGE	SOGO	TOWEL TYPE	NOS	100
16.	COSMIC POLISH FOR V6 & V8 (FOR DG TPT)	KANGROO	KANGROO	NOS	12
17.	FURNITURE POLISH 450ML	7CF	LEMON ZEST	NOS	48
			FRESH FLOWER	NOS	48
			CITRUS MINT	NOS	24
18.	GLINT	GLINT	500 ML	NOS	300
19.	HAND WASH (FOR DG OFFICE) 500 ML	DOVE	LEVANDER	NOS	30
20.	HAND WASH 500 ML	LIFE BUOY	AELOVERA	NOS	100
			MINT	NOS	100
21.	HAND BRUSH	LOCAL	FINE QUALITY	NOS	150
22.	HARD BRUSH WITH HANDLE	LOCAL	FINE QUALITY	NOS	150
23.	INSULATION TAPE	OSAKA	BLACK	ROLL	100
24.	TAPE ADHESIVE BLACK 2 INCH	JHONSON	02 INCHES BLUE	ROLL	200
25.	TAPE ADHESIVE BLUE 2 INCH	JHONSON	02 INCHES BLACK	ROLL	200
26.	TAPE MASKING/MORING	JHONSON	02 INCHES	NOS	200
27.	LEMON MAX DISH WASH BAR (FOR DG OFFICE)	LEMON MAX	LEMON	NOS	48
28.	LIQUID SOAP 10 LTR PACKING	LOCAL	FINE QUALITY	LTR	1000
29.	LOTA PLASTIC	LOCAL	FINE QUALITY	NOS	48
30.	METAL POLISH/ BRASSO	KIWI	200 ML	NOS	48
31.	MOP (FLAT) FOR SHIP SIDE (LARGE)	SPONTEX	45CM BASE	NOS	30
32.	MORTIEN SPRAY FLYING INSECTS KILLER	MORTINE	550 ML	NOS	350
33.	MOSQUITO KILLER MACHINE	MORTINE	SMART PLUS	NO	12
34.	MOSQUITO KILLER MACHINE REFILL	MORTINE	SMART PLUS	NO	50
35.	NAPTHELENE BALL (01 x KG PACKING)	LOCAL	FINE QUALITY	KG	50
36.	PAINT TRAY	LOCAL	FINE QUALITY	NOS	50
37.	Paint Brush	Universal	Diamond Series 4" (Inches)	No	200

38.	Distemper Brush	Universal	Diamond Series 4" & 6" (Inches)	No	100
39.	EXTENSION BOARD FINE QUALITY	CAMELION	CE-EB-4S	NOS	30
40.	REFILL PAINT ROLLER PENCIL ROLLER	UNIVERSAL	4 INCH	NOS	200
41.	ROBIN BLEACH	ROBIN	500 ML	BTL	48
42.	ROOMI 12'S	ROOMI	JASMINE	BOX	100
43.	SCOTCH BRITF	3M	FOAMTYPF	NOS	700
44.	SCOTCH BRITE ULTRA WIPE (3's)	3M	12 INCH	PKT	60
45.	SCRRAPER FINE QUALITY	UNIVERSAL	12X12CM	NOS	60
46.	SODA CAUSTIC (01 x KG PACKING)	LOCAL	FINE QUALITY	KG	100
47.	SOFT BRUSH WITH HANDLE	LOCAL	FINE QUALITY	NOS	100
48.	WASHING POWDER	SURF EXCEL	500 G PACKING	KG	500
49.	WASHING POWDER	BONUS	500 G PACKING	KG	500
50.	SURFACE CLEANER DETTOL (ORIGINAL)	DETTOL	LAVANDER	BTL	200
51.	SWEEP RED	SAY'S	500 ML	BTL	300
52.	TAPE TRANSPARENT	JOHNSON	01 INCH	ROLL	200
53.	TAPE TRANSPARENT	JOHNSON	03 INCH	ROLL	200
54.	TAPE TRANSPARENT	JOHNSON	02 INCH	ROLL	200
55.	TISSUE BOX	ROSE PETAL	LUXUARY 3 PLY	NOS	2000
56.	TISSUE ROLL	ROSE PETAL	MAXOB	NOS	2000
57.	TOILET BRUSH	LOCAL	FINE QUALITY	NOS	100
58.	TOILET SOAP	LUX	130 GMS	NOS	600
59.	TYFON	TYFON	1000 ML PACKING	LTR	100
60.	VIM POWDER	VIM	500 GMS	KG	50
61.	WATER FILTER ALL TYPE	SO-SAFE	5 MICRON POLYPROPYLENE YARN	NOS	06
			SPUN POLYPROPYLENE PPF-5	NOS	06
			CBC 205 R	NOS	06
			01 MICRON LONG & THICK	NOS	06
			SPUN POLYPROPYLENE LONG & THIN	NOS	06
62.	DOUBLE TABE	JOHNSON	02 INCH	ROLL	100
63.	PACKING TAPE	JOHNSON	02 INCH	ROLL	200
64.	WIPER	UNIVERSAL	FINE QUALITY	NOS	100
65.	WIRE BRUSH STAINLEES STEEL	UNIVERSAL	06 INCH	NOS	100
66.	WIRE WOOL	3M	SCOTCH BRIGHT	NOS	300 g
67.	PHENYLE LIQUID ORIGINAL	FINIS	2.75 LTR PACKING	BTL	500
68.	MOSPEL	ABBOT	45 ML	NOS	448
69.	MOP WITH HANDLE SIZE 7	UNIVERSAL	PREIMIUM QUALITY	NOS	150
70.	CELL AA SIZE	TOSHIBA	R6UG SP-4TGTE (GREEN)	NOS	1000
71.	CELL AAA SIZE	TOSHIBA	R03UG SP-2TFTE (GREEN)	NOS	1000
72.	CELL SIZE D	TOSHIBA	AS PER SAMPLE	NOS	200
73.	CELL A-23 SIZE	CAMELION	A-23	NOS	48
74.	RECHARGEABLE CELL AA	CAMELION	800 mAh	NOS	30
75.	RECHARGEABLE CELL AAA	CAMELION	1000 mAh	NOS	20
76.	LIQUID VIM	VIM	500 ML	BTL	148
77.	PAINT ROLLER 6 INCH	UNIVERSAL	06 INCH	NO	200
78.	COTTON RAG	LOCAL	FINE QUALITY	KG	3000
79.	HARPIC	RECKITT BANCKISER	500 ML	BTL	360
80.	DOOR BELL	CLOPAL	WIRE LESS	NOS	20
81.	ELFY	GMSA	20 MG	NOS	48
82.	UHU ADHESIVE TUBE	UHU	33 ML	NOS	24
83.	SAMAD BOND TUBE	BOSTIK PAK	80 GMS	NOS	24

PROCUREMENT OF NEW STEERING CONTROL SYSTEM OF FRB 159 - EASTERN WING

S No	Details				
	Ships Name	EASTERN WING/ ERB - 159			
2.	Parent Equipment	FRB 159			
3.	Model	Sea star/ Bay Star (Twin cylinder power pack assisted)			
4.	Origin	USA			
5.	Sub Equipment	New Steering SyslenqTriplet) compk to along with accessories			
6.	Assembly Component	New Steering System(Triplel) complete along with accessories			
7.	Quantity	01			
8.	Source of Availability	Any suitable			
9.	Justification for Work	Provision of new 01 x steering control system complete twin cylinder power assisted with wheel, Triplet arrangement and all other accessories			
10.	Work Required				
		a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Provision of new 01 x steering control system complete twin cylinder power assisted with wheel and Triplet arrangement and all other accessories	Procurement of new 01 x steering control system complete twin cylinder power assisted with wheel and Triplet arrangement and all other accessories	Procurement of new 01 x steering control system complete twin cylinder power assisted with wheel and Triplet arrangement and all other accessories	As per requirement
11.	Detailed scope of work				
		a	b		c
		Detail of Repair Work Required	Detail of Services Required		Detail of Spares Required
		Procurement of new 01 x steering control system complete twin cylinder power assisted with wheel and Triplet arrangement and all other accessories	Procurement of new 01 x steering control system complete twin cylinder power assisted with wheel and Triplet arrangement and all other accessories		As per requirement
12.	Technical Specs	Complete steering control system (Triplet) along with all accessories			
13.	Eligibilities	a. The firm sm old have good experience of the same work. b. OEM certified companies/ firms will be preferred. c. The firm must be NTN/ GST registered.			
14.	EDC	02 months from date of signing of contract			
15.	Warranty	One year after installation and successful trials.			
16.	Acceptance Criteria	a. Inspection of ail items w.r.t OEM provided packing list. b. Provision of i-C of the steering control system. c. Satisfactory trials during HATs/ SATs in coordination with project executing firm. d. OEM packed orand new system duly supported by relevant documents.			
17.	Any other relevant info	Local spares supper lability and service center for technical support			

**PROCUREMENT OF PNEUMATIC TUBE AND RUBBER FENDER LINE OF ZHB-03 – PMSA
BASE GWADAR**

S No	Description							
1.	Ship's Name	PMSS NAZIM/ PMSA Base Gwadar						
2.	Parent Equipment	Replacement of pneumatic tube and rubber fender line ZHB-03						
3.	Quantity	01						
4.	Justification of work	Presently, ZHB-03 is in ops condition, however, the pneumatic tube and rubber fender line is deteriorated and unable to repair due FWT. Moreover, tube is unable to retain air permanently for long duration causing severally damage the hull of boat while securing alongside jetty or boat as well as during boarding ops in sea/ rough weather. Therefore, pneumatic tube and rubber fender line is needed to be replaced.						
5.	Work Required	Following items/ parts are required to be replace with new: <table> <tr> <th>S No</th><th>Description</th><th>Remarks</th></tr> <tr> <td>a.</td><td>Pneumatic tube and rubber fender line</td><td></td></tr> </table>	S No	Description	Remarks	a.	Pneumatic tube and rubber fender line	
S No	Description	Remarks						
a.	Pneumatic tube and rubber fender line							
6.	Details Scope of Work	Presently, ZHB-03 is in ops condition with defect mentioned in S No13.						
7.	Technical Specs	Overall length of boat =11.5 meter Beam of boat = 4.3 meter Boat weight = 3954 Kg (Tonnage)						
8.	Eligibilities	Any local/ international well reputed firm having experience of said work. Firm must visit and physically inspect the work site.						
9.	EDC	90 days						
10.	Warranty	01 year						
11.	Acceptance Criteria	Inspection by end user and successful completion of work						

IT NO: IT/99/26/2026-27
PROCUREMENT OF STATIONERY ITEMS FOR ALL PMSA UNITS - PMSS INDUS
WAREHOUSE

S No	Details	
1.	Ships Name	PMSS INDUS/WAREHOUSE
2.	Parent Equipment	Stationery Stores
3.	OEM	Pakistan/ Local
4.	Model	As Per Sample
5.	Origin	Pakistan
6.	Sub Equipment	Stationery Stores
7.	Quantity	See attached list
8.	Work Required	Purchase of Stationery Stores items for all PMSA Units/Ships
9.	Eligibilities	a. The firm should be NTN/GST registered. b. The firm should be registered with HQ PMSA c. Items should be procure as per Make/ Brand Mentioned in the below list.
10	EDC	45 Days after Issuance of order
11	Warranty	06 x Months
12	Acceptance Criteria	Accepted by Warehouse Staff

LIST OF STATIONARY ITEMS

S.NO	DESCRIPTION	BRAND	MODEL	DEN	QTY REQ
1.	BALL POINT BLUE	PIANO	SILK	NOS	3000
2.	BALL POINT RED	PIANO	SILK	NOS	500
3.	BOARD MARKER BLACK	MERCURRY	BRITO 1725	NOS	240
4.	BOARD MARKER BLUE	MERCURRY	BRITO 1725	NOS	240
5.	BOARD MARKER RED	MERCURRY	BRITO 1725	NOS	240
6.	BOARD MARKER GREEN	MERCURRY	BRITO 1725	NOS	240
7.	POINTER UNI BALL (EYE) BLUE	UNIBALL	UB-150	NOS	360
8.	POINTER UNI BALL (EYE) BLACK	UNIBALL	UB-150	NOS	360
9.	POINTER UNI BALL (EYE) RED	UNIBALL	UB-150	NOS	360
10.	POINTER UNI BALL (SIGNO) BLUE	UNIBALL	UM-120	NOS	480
11.	POINTER UNI BALL (SIGNO) BLACK	UNIBALL	UM-120	NOS	360
12.	POINTER UNI BALL (SIGNO) RED	UNIBALL	UM-120	NOS	480
13.	POINTER UNI BALL (VISION ELITE) BLUE	UNIBALL	UB-200(08)	NOS	400
14.	POINTER UNI BALL (VISION ELITE) TOURQUIS	UNIBALL	UB-200(08)	NOS	60
15.	CD (R)	MAXELL	CD-R80 MSI	NOS	100
16.	CD (RW)	MAXELL	CD-RW80 MSI	NOS	150
17.	COLOR FLAG	PELIKAN	12.5 x 45 mm	PKT	600
18.	CORRECTION PEN	UNI	CLP-305	NOS	240
19.	DVDR	MAXELL	DR47DDV.MSI	NOS	100
20.	DVD RW	MAXELL	DRW47BDV.MSI	NOS	150
21.	ENVELOP SE-5	LOCAL	BROWN	NOS	5000
22.	ENVELOP SE-5 WHITIE	LOCAL	WHITE	NOS	1000
23.	ENVELOP SE-6	LOCAL	BROWN	NOS	3000
24.	ENVELOP SE-6A	LOCAL	WHITE	NOS	1000
25.	ENVELOP SE-6 WHITE	LOCAL	BROWN	NOS	1000
26.	ENVELOP SE-6A WHITE	LOCAL	WHITE	NOS	500
27.	ENVELOP SE-8	LOCAL	BROWN	NOS	1000
28.	ENVELOP SE-8A	LOCAL	AS PER SAMPLE	NOS	2000
29.	ERASER SOFT (ORIGINAL)	PELIKAN	WS30	NOS	1000
30.	FILE COVER WHITE WITH CLIP	LOCAL	AS PER SAMPLE	NOS	200
31.	FILE COVER WHITE WITHOUT CLIP	LOCAL	AS PER SAMPLE	NOS	500
32.	FILE FOLDER BLUE	PERFECT	OL-986	NOS	200
33.	FILE FOLDER WHITE	PERFECT	WW-2125D	NOS	100
34.	GUM STICK	UHU	40 GMS	NOS	300
35.	GUM LIQUID	ADX	50 M	BTL	200
36.	HIGHLIGHTER (YELLOW/GREEN/PINK/ORANGE)	PELIKAN	490 NEYON	NOS	500
37.	INK STAMP PAD	CRYSTAL	FINE QUALITY	NOS	30
38.	MAIL FOLDER	COSMO	FINE QUALITY	NOS	100
39.	MAIL FOLDER A TO Z (RED/ GREEN/ BLACK/ BLUE)	COSMO	ALPHABETIC	NOS	30
40.	PAPRE PHOTOSTATE	PAPER ONE	70 GSM	REAM	1000
41.	PAPER CUTTER	DELI	LARGE	NOS	350
42.	PAPER CLIP	DELI	E-39713	PKT	600
43.	PAPER JACKET	POLO	ORIGINAL	PKT	100
44.	PIN REMOVER	POLO	SP-II	NOS	100
45.	PIN STAPLING	DOLLAR	24/6	PKT	600
46.	POST IT PAD SMALL	PELIKAN	50 X 40 MM	PAD	400
47.	POST IT PAD MEDIUM	PELIKAN	75 X 75 MM	PAD	400
48.	POST IT PAD LARGE	PELIKAN	125X75 MM	PAD	300
49.	POST IT PAD MULTICOLOR LARGE SIZE	PELIKAN	FLAG TYPE	PAD	100
50.	PUNCHING MACHINE	DELI	E0103	NOS	80
51.	REGISTER COVER PMSA MONOGRAM (01,02 & 04 QR)	LOCAL	AS PER SAMPLE	NOS	500
52.	SCALE STEEL	LOCAL	STAINLESS STEEL	NOS	200
53.	SCISSORS	SENSA	47	NOS	70
54.	SHARPENER MACHINE	DELI	E0620	NOS	30
55.	SHARPENER (STEEL)	DUX	ART W0.503	NOS	350
56.	SOFT PENCIL	DOLLAR	MY PENCIL	NOS	2500
57.	STAMP PAD	CRYSTAL	SPE 02	NOS	100
58.	STAPLING MACHINE	DELI	00300	NOS	120
59.	STAPLING MACHINE HEAVY DUTY	ONYX	S2076	NOS	05
60.	TAG COTTON SMALL THREAD TYPE	LOCAL	FINE QUALITY	BNDL	100
61.	TAG COTTON MEDIUM THREAD TYPE	LOCAL	FINE QUALITY	BNDL	100
62.	TAG COTTON LARGE THREAD TYPE	LOCAL	FINE QUALITY	BNDL	100
63.	THUMB PIN COLORFUL	DL OFFICE	DL047	PKT	200
64.	TRANSPERANT FILE WITH CLIP	POLO	CLIP TYPE	NOS	250
65.	SEPARATOR PLASTIC (ALPHABATIC/ NUMERICAL)	KENT	IN4309	PKT	200
66.	BINDER CLIP LARGE	DIAMOND	2"	PKT	30
67.	BINDER CLIP MEDIUM	DIAMOND	1"	PKT	20
68.	MINUTE SHEET GREEN	LOCAL	80 GSM	PAD	300
69.	FILE COVER BLUE PMSA	LOCAL	AS PER SAMPLE	NO	3000
70.	PMSA SHORT HAND DIARY SMALL (100 PAGES)	LOCAL	AS PER SAMPLE	PAD	300
71.	PMSA SHORT HAND DIARY MEDIUM (100 PAGES)	LOCAL	AS PER SAMPLE	PAD	300
72.	PMSA EXECUTIVE DIARY	LOCAL	AS PER SAMPLE	PAD	100
73.	PERMANENT MARKER BLUE	MERCURRY	BRITO 2825	NOS	240

74.	PERMANENT MARKER BLACK	MERCURRY	BRITO 2825	NOS	240
75.	PERMANENT MARKER RED	MERCURRY	BRITO 2825	NOS	120
76.	SPIRAL BINDING SHEET TRANSPARENT	LOCAL	AS PER SAMPLE	PKT	30
77.	SPIRAL BINDING SHEET WHITE	LOCAL	AS PER SAMPLE	PKT	30
78.	SPIRAL BINDING ROLL MULTI SIZES	LOCAL	AS PER SAMPLE	PKT	30

PROCUREMENT REPLACEMENT OF SEA WATER FLUSHING PUMP - PMSS DASHT

S No	Details			
1.	Ships Name	PMSS DASHT		
2.	Parent Equipment	Sea Water Flushing System		
3.	OEM	China		
4.	Model	HMZZGS-01		
5.	Origin	China		
6.	Sub Equipment	Sea Water Flushing Pump		
7.	Assembly Component	Impeller, Seal Ring, Mechanical Seal, Pump Shaft, Pump Cover, Bracket, Motor.		
8.	Quantity	01		
9.	Source of Availability	OEM/ Local Contractor		
10.	Justification for Work	Procurement/ replacement of sea water flushing pump.		
11.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		N/A	Procurement/ replacement of sea water flushing pump.	a. Dismantling and installing of sea water flushing pump b. Procurement/ replacement of sea water flushing pump.
12.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Procurement/ replacement of sea water flushing pump.	a. Dismantling and installing of sea water flushing pump b. Procurement/ replacement of sea water flushing pump.	Sea water flushing pump.
13.	Technical Specs	As per technical Specs/ Manual.		
14.	Eligibilities	a. Authorized rep of OEM/ Local contractor having working experience on pumps. b. Contractor is to get visit certificate from MEO prior participation in tender to fully understand the scope of work		
15.	EDC	45 x days		
16.	Warranty	01 x Year		
17.	Acceptance Criteria	a. Satisfactory discharge pressure of sea water flushing pump. b. Satisfactory operation without increased noise, vibration & leakage. c. Damage/ defect occurred during work is responsibility of contractor		

REPAIR/ MAINTENANCE OF ALL WATER TIGHT DOORS - PMSS NUSRAT

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	Water tight doors		
3.	Sub Equipment	17 x water tight doors		
4.	Assembly Component	17 x watertight doors		
5.	Quantity	17 x water tight doors		
6.	Justification for Work	Water tight doors are deteriorated due to FWT and not properly sealed		
7.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Water tight doors are deteriorated due to FWT and not properly sealed	Repairing of water tight doors to maintain water tight integrity for sat ops	See detail S No 8 Column b
8.	Detailed scope of work	a	b	d
		Detail of Repair Work Required	Detail of Services Required	Spares Required
		Repair/ maintenance of water tight doors to maintain water tight integrity for sat ops	a. Survey all 17 x watertight doors and securing hook to. be replaced if required. b. Repair/ maintenance of all 17 x water tight doors a/w replacement of rubber seal. c. Paint work after repair/ maintenance. d. Special tools and spares are to be arrange by the firm for said work. e. The firm will be responsible to undertake any work not covered above to ensure good quality of work. f. The firm will be responsible for welding/cutting, if required. g. The firm will be responsible- for requirement of external services. h. The firm will be responsible for all removal, transportation and. installation work during warranty/ guarantee period claims and in case of any re-work. j. There will be no growth Work	As per requirement
9.	Technical Specs	As per scope of work		
10.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and item. b. The firm should having good experience of the same kind of work		

		required onboard. c. The firm should be NTN/GTN registered
11.	EDC	04 x week after issuance of work/ confirmation order
12.	Warranty	01 years from the date of acceptance
13.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS

REPAIR/ MAINTENANCE OF WASHROOM AT 1ST FLOOR RIGHT SIDE - PMSS INDUS

S No	Details	
1.	Ship's Name	PMSS INDUS
2.	Parent Equipment	Repair/ Maintenance of Washroom at 1 ST Floor Right Side of PMSA Barracks
3.	Origin	Local
4.	Quantity	1 x washrooms
5.	Justification for work	Seepage has been observed from the washroom at 1 ST Floor Right Side at PMSA Complex. Civil work is critically required to stop leakage/ seepage, prevent further deterioration of building infrastructure and avoid damage to adjoining offices/ rooms.
6.	Work Required	• Replacement of water supply lines • Replacement of sewerage lines • Installation of new commodes/ flush tanks and washbasins • Installation of good quality tabs and showers • Installation of new tiles • Replacement of electrical wiring/ fittings with new • Replacement of doors chowkats
7.	Items Quality	• Pipes of good quality (Popular pipes or dadex pipes) • Commodes and washbasins (Porta or master) • Tabs and showers (Master or Sonics) • Good quality tiles • Copper wiring and good quality electrical fitting • GI/ galvanized chowkats
8.	Eligibilities	All registered firms
9.	EDC	30 x Days
10.	Warranty	01 x year
11.	Acceptance criteria	Inspection by end user

REPAIR/ MAINTENANCE OF WASHROOM IN PARKING RAMP - PMSS INDUS

S No	Details	
1.	Ship's Name	PMSS INDUS
2.	Parent Equipment	Repair/ Maintenance of Washroom in Parking Ramp of PMSA Building
3.	Origin	Local
4.	Quantity	1 x washrooms
5.	Justification for work	Seepage has been observed from the washroom at Parking Ramp PMSA Complex. Civil work is critically required to stop leakage/ seepage, prevent further deterioration of building infrastructure and avoid damage to adjoining offices/ rooms.
6.	Work Required	• Replacement of water supply lines • Replacement of sewerage lines • Installation of new commodes/ flush tanks and washbasins • Installation of good quality tabs and showers • Installation of new tiles • Replacement of electrical wiring/ fittings with new • Replacement of old wooden (deteriorated) doors/ chowkats
7.	Items Quality	• Pipes of good quality (Popular pipes or Dadex pipes) • Commodes and washbasins (Porta or master) • Tabs and showers (Master or Sonics) • Good quality tiles • Copper wiring and good quality electrical fitting • Upvc doors and frames
8.	Eligibilities	All registered firms
9.	EDC	30 x days
10.	Warranty	01 x year
11.	Acceptance criteria	Inspection by end user

REPAIR/ OVERHAULING OF ALTERNATOR OF GENSET NO 1 - PMSS DASHT

S No	Details			
	Ships Name	PMSS DASHT		
2.	Parent Equipment	GENSET		
3.	OEM	Caterpillar		
4.	Model	C-9		
5.	Serial No	C9Z05156		
6.	Origin	USA		
7.	Sub Equipment	GENSET No 1		
8.	Assembly Component	Alternator		
9.	Quantity	01		
10.	Source of Availability	Local Contractor		
11.	Justification for Work	Repair/ Overhauling of alternator of C9 CAT GENSET No 1.		
12.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		-	Repair/ overhauling of alternator of C9 CAT GENSET No 1.	a. Dismantling of Alternator of GENSET No 1. b. Installation of Alternator of GENSET No 1. c. Repair/ overhauling of said alternator by firm up to satisfactory operation.
13.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Repair/ overhauling of alternator of C9 CAT GENSET No 1.	a. Dismantling of Alternator of GENSET No 1. b. Installation of Alternator of GENSET No 1. c. Repair/ overhauling of said alternator by firm up to satisfactory operation.	N/A
14.	Technical Specs	As per technical manual/ OEM.		
15.	Eligibilities	Reputable contractor having relevant work experience.		
16.	EDC	45 x Days		
17.	Warranty	01 x Year		
18.	Acceptance Criteria	a. Provision of pressure test record as per OEM standard. b. Only OEM recommended spares to be used by firm. c. Visual inspection of provided items/ spares used w.r.t physical inspection. d. Full Power Trials, HATs & SATs.		
19.	Any other relevant info	Visit onboard to resolve any query.		

REPAIR/ REPLACEMENT OF COLLAR ON FRB-159 - EASTERN WING/ FRBS

S No	Details		
1.	Parent Equipment	Collar	
2.	Sub Equipment	Collar Fabric	
3.	Assembly Component	Thermapole material	
4.	Make	Safe Boat International USA	
5.	Model	2010	
6.	Quantity	01	
7.	Justification i.e PMS/ Failure/ FWT etc	During boarding operation, securing alongside results in deterioration/ damage of collar. In addition, with the passage of time life span of collar fabric have also reached to its limit and require to replace	
8.	Work Required/ Defect	Repair of collar/ thermapole along with rub strake with replacement of fabric including all required accessories	
9.	Detail Scope of Work	a. Removal of old deteriorated collars from FRB-159 and repair/ maintenance as per OBM converted FRB b. Repair/ Maintenance and stitching work through local solution c. Installation and fitting of collars on FRB-159	
10.	Technical Specs	Fabric Material	Woven polyester/ Hypalon Fabric
		Fabric Weight	50 oz. per square yard
		Finished Fabric Weight	50 oz. per square yard
		Tongue Tear	448/495 lbs. per foot ASTM D751
		Grab Tensile	1618/1683 Lbs. per foot ASTM D751
		Adhesion	43 Lbs per inch dielectric weld
		Hydrostatic Resistance	1000 Lbs per inch
		Low Temperature	Pass at -34 c (-30 F)
		H-22 Wheel Abradement	1000 gram load
		Stitching/jointing of collar Fabric	As per OEMs standard/ Modification
11.	Eligibilities	Any local/ international registered firm with good reputation.	
12.	EDC	Max 01 month after placement of order.	
13.	Warranty	a. 03 Months for stitching/ minor repairs from maker b. 01 x year for fabric c. 45 x days for rub strake	
14.	Acceptance Criteria	Visually inspection by staff as per technical specs.	

REPAIR/ REPLACEMENT OF EDBA STOWAGE BOXES, FIRE HOSE STOWAGE BOXES & TANKS SOUNDING TUBES - PMSS BARKAT

S No	Details				
1.	Ships Name	PMSS BARKAT			
2.	Parent Equipment	DC & FF, Fuel Tanks, Fresh Water tanks, Inclinator and split ACs outer bases			
3.	OEM	Any Local Vender			
4.	Sub Equipment	EDBA Stowage Boxes, Fire Hose Stowage Boxes, DC&FF Locker, Fuel Tanks & Fresh Water Tanks Sounding Tubes, Measuring Sounding Tapes, Inclinator and split ACs outer bases			
5.	Quantity	As per detail scope of work			
6.	Source of Availability	Local Market			
7.	Justification for Work	Above mentioned equipment found degraded over the period of time and due FWT			
8.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Above mentioned equipment found degraded over the period of time and due FWT	Repair/ replacement of above said items/ equipment is required for safe and smooth utilization of the items/ equipment	As per Serial 9 Column b.	As per Serial 9 Column c.

9.	Detailed scope of work	a		b	c
		Detail of Repair Work Required		Detail of Services Required	Detail of Spares Required
		i.	Replacement of EDBA stowage boxes	06 x EDBA stowage boxes are to be replaced with new as per sample	-
		ii.	Replacement of fire hose stowage boxes	08 x fire hose stowage boxes are to be replaced with new as per sample	-
		iii.	Replacement of DC&FF locker	Degraded DC&FF locker is to be replaced	-
		iv.	Replacement of gauge glass of fuel service tanks	05 x gauge glass of fuel service tanks, steering oil tanks, and hydraulic crane oil tank are to be replaced with new as per sample	-
		v.	Renewal of Fuel and fresh water tanks sounding tubes	08 x fuel and fresh water tanks sounding tubes with caps are to be made new as per sample	-
		vi.	Replacement of sounding tapes	02 x sounding tapes are to be replaced	-
		vii.	Repair/replacement of inclinometer	Repair/ Replacement of 02 x Inclinometers is required	-
		viii.	Repair/ replacement of split ACs outer bases	Repair/ replacement of 20 x split ACs outer bases is required	-
		ix.	Renewal of Emergency escape ladders	03 x escape ladders of ASP, AER and FER are to be repaired/ replaced	-
		x.	Installation of trays under cable channels in machinery compartments (FER, AER, ASP & EVAC)	Fabrication and installation of trays under cable channels in machinery compartments (FER, AER, ASP & EVAC)	-
		xi.	Any damage/ defect/wear tear occurred during course of removal, repair and installation of system/equipment will be repaired /met by firm		
		xii.	Requirement of external services, if required will be responsibility of firm		
		xiii.	The firm will be responsible of welding/ cutting and external services if required		
		xiv.	All spares must be genuine/marine version, tools special equipment /accessories required for said Repair/ Maintenance are to be arranged by the firm		
		xv.	The firm will be responsible for all removal, transportation and installation work during warranty/ grantee periods claims in case of any rework		
10.	Technical Specs	As per technical Specs/ Manual.			
11.	Eligibilities	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.			

12.	EDC	30 x days after issuance of work/ confirmation order
13.	Warranty	01 x Year
14.	Acceptance Criteria	Successful completion and acceptance by the end user
15.	Any other relevant info	Quality material is to be used

REPAIR/ REPLACEMENT OF ELECTRICAL ACCESSORIES/ EQUIPMENT ONBOARD FRB-159 - EASTERN WING

S No	Details																																																																																																								
1	Ship's Name	FRB-159																																																																																																							
2.	Parent Equipment	Power distribution system																																																																																																							
3.	Sub Equipment	Switch board/ Electrical panel																																																																																																							
4.	Make	Schneider, Optima, Pakistan Cables																																																																																																							
5.	Qty	Mentioned below S No. 9.																																																																																																							
6.	Justification i.e PMS/ Failure/ FWT etc	Repair/ replacement of electrical accessories/ equipment to restore power generation and distribution system for operationalization of FRB-159 after modification work.																																																																																																							
7.	Work Required/ Defect	Repair/ replacement of electrical accessories/ equipment to restore power generation and distribution system for operationalization of FRB-159 after modification work. (As mentioned in S No 9 below).																																																																																																							
8.	Detailed scope of work	Repair/ replacement of electrical accessories/ equipment to restore power generation and distribution system for operationalization of FRB-159 after modification work. (As mentioned in S No 9 below).																																																																																																							
9.	Technical Specs	<table><tr><th>S No</th><th>Make/ Model</th><th>Item Description</th><th>Qty</th></tr><tr><td>a.</td><td rowspan="6">Chint/ Schneider (2Pole)</td><td>DC Breaker (10Amp)</td><td>20</td></tr><tr><td>b.</td><td>DC Breaker (16Amp)</td><td>12</td></tr><tr><td>c.</td><td>DC Breaker (20Amp)</td><td>12</td></tr><tr><td>d.</td><td>DC Breaker (150Amp)</td><td>06</td></tr><tr><td>e.</td><td>AC Breaker (20Amp)</td><td>03</td></tr><tr><td>f.</td><td>AC Breaker (60Amp)</td><td>02</td></tr><tr><td>g.</td><td></td><td>Ground Bus bar (copper)</td><td>06</td></tr><tr><td>h.</td><td></td><td>12V DC Strobe light</td><td>02</td></tr><tr><td>j.</td><td></td><td>Breaker Panel Box (as sample)</td><td>02</td></tr><tr><td>k.</td><td></td><td>Marine Watertight male/ female socket (62Amp, 3Pin)</td><td>01</td></tr><tr><td>l.</td><td rowspan="4">Pakistan/ Fast cable</td><td>3 core cable 7/44</td><td>60 meter</td></tr><tr><td>m.</td><td>DC cable 1.5mm</td><td>08 roll (4Red + 4black)</td></tr><tr><td>n.</td><td>DC cable 2.5mm</td><td>08 roll (4Red + 4black)</td></tr><tr><td>p.</td><td>DC cable 04mm</td><td>04 roll (2Red + 2black)</td></tr><tr><td>q.</td><td></td><td>Cable ties 4", 6"& 8"</td><td>06 packets each</td></tr><tr><td>r.</td><td rowspan="2">Fast cables</td><td>Battery cable 35mm</td><td>100m (50red + 50black)</td></tr><tr><td>s.</td><td>DC cable 16mm</td><td>30 meter</td></tr><tr><td>t.</td><td></td><td>PVC pipe black 1/2, 1,2,5 inch</td><td>50 meter each</td></tr><tr><td>u.</td><td rowspan="2">Optima/ Long</td><td>Battery Dry 120AH</td><td>04</td></tr><tr><td>v.</td><td>Dry battery for generator 65 AH</td><td>01</td></tr><tr><td>w.</td><td></td><td>Bilge pump (300 GPH)</td><td>03</td></tr><tr><td>x.</td><td></td><td>Lugs (O,Y,I and U) type</td><td>04 pkt each</td></tr><tr><td>y.</td><td></td><td>Lygs 16mm, 25mm, 35mm</td><td>24 each</td></tr><tr><td>z.</td><td></td><td>Battery Charger (as sample) with cable & clip</td><td>01</td></tr><tr><td>aa.</td><td></td><td>Siren with PA system</td><td>01</td></tr><tr><td>bb.</td><td></td><td>Heat Shrink Sleeve 3mm, 6mm, 12mm & 35mm</td><td>10 meter (each)</td></tr><tr><td>cc.</td><td></td><td>Ferrule cable marking</td><td>-</td></tr></table>		S No	Make/ Model	Item Description	Qty	a.	Chint/ Schneider (2Pole)	DC Breaker (10Amp)	20	b.	DC Breaker (16Amp)	12	c.	DC Breaker (20Amp)	12	d.	DC Breaker (150Amp)	06	e.	AC Breaker (20Amp)	03	f.	AC Breaker (60Amp)	02	g.		Ground Bus bar (copper)	06	h.		12V DC Strobe light	02	j.		Breaker Panel Box (as sample)	02	k.		Marine Watertight male/ female socket (62Amp, 3Pin)	01	l.	Pakistan/ Fast cable	3 core cable 7/44	60 meter	m.	DC cable 1.5mm	08 roll (4Red + 4black)	n.	DC cable 2.5mm	08 roll (4Red + 4black)	p.	DC cable 04mm	04 roll (2Red + 2black)	q.		Cable ties 4", 6"& 8"	06 packets each	r.	Fast cables	Battery cable 35mm	100m (50red + 50black)	s.	DC cable 16mm	30 meter	t.		PVC pipe black 1/2, 1,2,5 inch	50 meter each	u.	Optima/ Long	Battery Dry 120AH	04	v.	Dry battery for generator 65 AH	01	w.		Bilge pump (300 GPH)	03	x.		Lugs (O,Y,I and U) type	04 pkt each	y.		Lygs 16mm, 25mm, 35mm	24 each	z.		Battery Charger (as sample) with cable & clip	01	aa.		Siren with PA system	01	bb.		Heat Shrink Sleeve 3mm, 6mm, 12mm & 35mm	10 meter (each)	cc.		Ferrule cable marking	-
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		dd.		Dehumidifier (220V)	01
		ee.		Cutting disc 4"	06
		ff.		Drill bit SS	06
		gg.		Hole Saw SS 16mm, 22mm & 35mm	01 each
		hh.		Navigation lights (port & stbd)	01 pair
		jj.		Search light 12VDC high beam	01
		kk.		Reflector 12VDC	02
		ll.		Emery paper 10 cc	12pc
		mm.		Contact cleaner	01
		nn.		WD-40	01
		pp.		Cleaning Brush	02 pair
		qq.		Silicon tube	02
10.	Eligibilities	Any well reputed local/ international firm having expertise for repair/ replacement of marine standard electrical accessories/ equipment for small boats.			
11.	EDC	60 Days			
12.	Warranty	01 x Year after onboard installation and successful trials.			
13.	Acceptance Criteria	a. Inspection by end user and onboard successful load/ test trials. b. Provision of marine standard accessories/ spares (preferably western origin) are to be ensured by contracted firm. c. Provision of warranty documents (where applicable).			
14.	Any other relevant info	All removed old accessories are property of PMSA therefore same are to be returned.			

REPLACEMENT/ OVERHAULING OF FCUS (FAN COIL UNIT) - PMSS ZHOB

S No	Details			
	Ships Name	PMSSZHOB		
2.	Parent Equipment	Murine Fan Coil Units (FCUs)		
3.	OEM	China		
4.	Model	CFP-3WA, CFP-18LG, CFP-5WAX		
5.	Origin	Jiangsu Josun Air Conditioner Co.,Ltd		
6.	Sub Equipment	Motors, Evaporators, Condensers, Blowers and Coils		
7.	Assembly Component	Motors, Evaporators, Condensers, Blowers, Lines, Fitting and Casting		
8.	Part No. of Assembly Component	NSN No: 4120PV3050002 Part No: 11.01.28.GZ15136-01-001		
9.	Quantity	25 x No		
10.	Source of Availability	Jiangsu Josun Air Conditioner Co, Ltd		
11.	Justification for Work	Fan Coil Units have degraded overtime required repair/ replacement.		
12.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		-	Replacement/ Overhauling FCUs (Fan coil unit) through OEM/ local engineering house.	See S.No 13 Para b
13.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Replacement/ Overhauling FCUs (Fan coil unit) through OEM/ local engineering house.	Replacement/ Overhauling FCUs (Fan coil unit) through OEM/ local engineering house.	1 x FCU Condenser NSN No: 4120PV3050002 Part No: 11.01.28.GZ15136-01-001
14.	Technical Specs	As per OEM Manual/ Specs		
15.	Eligibilities	Authorized rep of OEM/ Local contractor having relevant working experience. Contractor is to visit the ship in order to understand the scope of work.		
16.	EDC	90 x Days		
17.	Warranty	2-year		
18.	Acceptance Criteria	a. Pressure test of condenser. b. No Freshwater leakage after installation and normal operation of FCU condense/. c. Satisfactory operation of FCUs after replacement/ installation. d. Satisfactory end users trials.		
19.	Any other relevant info	a. Growth Work, Damage/ defect occurred during work is responsibility of contractor and will repair/ maintenance free of cost by contractor. b. Contactor may contact SS/ visit onboard ship to resolve any query.		

**REPLACEMENT/ UPGRADATION OF LOCAL CONTROL PANEL (LCP) OF 03 X SSDGS
ALONGWITH ACCESSORIES - PMSS REHMAT**

S No	Details				
	Ships Name	PMSS REHMAT			
2.	Parent Equipment	Power Generation and Distribution			
3.	OEM	CUMMINS (USA)			
4.	Model	6CTA 8.3			
5.	Origin	USA			
6.	Sub Equipment	SSDG 1,2, & 3			
7.	Assembly Component	Local Control Panel/ (LCP)			
8.	Quantity	03 x SSDGs LCP			
9.	Source of Availability	Local Market			
10.	Justification for Work	SSDG 1, 2, and 3 Local control panel degraded, causing intermittent faults during local operation. This compromises safe starting, stopping, and monitoring of SSDG's and may affect the functioning of integrated engine safety system. To ensure safe and reliable operation of SSDGs while operating/ running locally, with all safeties interlocks functional operation, replacement of the existing LCP is considered essential.			
11.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Work requisition ME- 59/26 dated 03-09-26 was forwarded to BMG and same was outsourced.	a. Complete functional replacement of 03 x SSDGs existing local control panel along with accessories. b. Installation of control module on local control panel and integrate with remote module panel (MCR). c. Repair/ replacement of all temperature and pressure gauges at local. d. Replace electric cable from local control panel to MCR remote control panel e. Replacement of all volt, frequency and ampere meters. f. Replacement of all types of indication Replacement of start/ stop switches.	a. All spares, special equipment / tools, accessories etc. for repair/ maintenance for said work to be arranged by the firm. b. Any damage /in way removal/ defect / wear tear occur during the course of removal and installation of remote control panel/ display are to be repaired/ met by firm. c. Requirement of external services, if required will be responsibilities of firm.	a. 03 x Local control box b. 03 x Fresh water gauges c. 03 x Lube oil pressure gauge d. 03 x Ampere meter e. 03 x volt meter f. 03 x Frequency meter g. 03 x Start/ Stop switch h. 03 x Running indication j. 03 x Control module k. Replacement of 03 x SSDGs cabling if required

		a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		a. Complete functional replacement of 03 x SSDGs existing local control panel along with accessories. b. Installation of control module on local control panel and integrate with remote module panel (MCR). c. Repair/ replacement of all temperature and pressure gauges at local. d. Replace electric cable from local control panel to MCR remote control panel e. Replacement of all volt, frequency and ampere meters. f. Replacement of all types of indication Replacement of start/ stop switches.	a. All spares, special equipment / tools, accessories etc. for repair/ maintenance for said work to be arranged by the firm. b. Any damage /in way removal/ defect / wear tear occur during the course of removal and installation of remote control panel/ display are to be repaired/ met by firm. c. Requirement of external services, if required will be responsibilities of firm.	a. 03 x Local control box b. 03 x Fresh water gauges c. 03 x Lube oil pressure gauge d. 03 x Ampere meter e. 03 x volt meter f. 03 x Frequency meter g. 03 x Start/ Stop switch h. 03 x Running indication j. 03 x Control module k. Replacement of 03 x SSDGs cabling if required
12.	Detailed scope of work			
13.	Technical Specs	a. 110KW/60KW b. 380VAC 3 phase 50Hz c. 6 cylinders		
14.	Eligibilities	a. Carried out repair/ maintenance of SSDGs remote control panels of PMSS Corvettes. b. Income tax registered. c. Sales tax registered. d. Firm is required to visit onboard ship.		
15.	EDC	45 days after issuance of work/ confirmation order.		
16.	Warranty	01 x Year to be started after completion of successful trials.		
17.	Acceptance Criteria	a. Satisfactory operation of equipment. b. Full load trails. c. Acceptance by SS. d. Successful HATs/ SATs		

**REQUIREMENT OF BATTERIES FOR ELT (KANNAD 406AP) AND RED BOX (RBL 4000) –
93 PMSA SQN**

S No	Details			
1.	Ships Name	93 PMSA SQN		
2.	Parent Equipment	Defender BN-2T Aircraft		
3.	OEM	M/s Britten Norman (BN2T)		
4.	Origin	UK/ USA/ AS PER OEM COUNTRY		
5.	Sub Equipment	Batteries of ELT (KANNAD 406AP) and RED BOX (RBL-4000)		
6.	Assembly Component	Batteries of ELT (KANNAD 406AP) and RED BOX (RBL-4000)		
7.	Part No. of Assembly Component	S No	Part No	Description
		a.	S1820516-99	ELT BATTERY (KIT BAT 300)
		b.	RBB0/1100	RED BOX BATTERY
8.	Quantity	As mentioned against each in S No 7		
9.	Source of Availability	OEM or OEM authorized aviation vendors		
10.	Justification for Work	Batteries required for replacement due service life expiry and insufficient charge capacity respectively.		
11.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		As per S No 12	-	Batteries replacement of ELT and RED BOX
12.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		-	Batteries replacement of ELT and RED BOX	As per S No 7 above
13.	Eligibilities	a. Required items are to be delivered in New Condition only, from OEM or OEM authorized aviation vendors. b. Firms have to provide authorization letter of their principal firms and bank statement of last 1 year of their firm. c. Firms must have at least 2 years' experience of procurement/repair of Aviation components/ spare parts. Experience certificate of Aviation related contracts by contracting agency in Pakistan is mandatory. d. Firms need to include freight/ insurance charges and custom duties/ taxes, etc (as applicable) in quotation. e. Firms need to get import/ export licenses from respective abroad firms/ agencies where applicable. In case of failure to meet acceptance criteria or any defect during physical/ operational testing of items post installation/ utilization on aircraft, firm is liable to get the items replaced on FoC basis in shortest possible time.		
14.	EDC	90 days after award of contract		
15.	Warranty	1 Year		
16.	Acceptance Criteria	a. Satisfactory physical condition and operational check of items (where Applicable).		
		b. Items part numbers should be identical. Alternatively, OEM letter for		

		change in Part No/ certificate of conformance may also be provided. c. Provision of OEM certification from EASA/ FAA (if applicable). d. Provision of import documents. Shelf life/ expiry dates of batteries should be within 6-8 weeks from date of manufacturing.
17.	Any other relevant info	Firms are requested to provide original quote of AMC (without price) along with their respective technical quote. Technical quote of firm will not be accepted without provisioning of AMC original quote

REQUIREMENT OF BILGES PAINTING IN CHAIN CABLE LOCKER, ARMOURY, GIGGING STORE, AC COMPARTMENT, GYRO ROOM, FWD MESSES, SENIOR RATE MESSES & AFT MESS & SECURING OF DECK PLATES IN UNDER WATER COMPARTMENTS - PMSS BARKAT

S No	Details				
1	Ships Name	PMSS BARKAT			
2.	Parent Equipment	Bilges Areas of Underwater Compartments			
3.	OEM	KS&EW/Any Local Vender			
4.	Sub Equipment	Bilges Areas of Following Compartments Paint Store/ Chain Cable Locker, Armory, Rigging Store, AC Compartment, Gyro Room, Fwd Messes, Senior Rate messes and Aft Mess			
5.	Quantity	As per detail scope of work			
6.	Source of Availability	Local Market			
7.	Justification for Work	Paint work of bilges areas of above mentioned compartments has been deteriorated over the period of time			
8.	Work Required				
		a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Paint work of bilges areas has been deteriorated over the period of time	Cleaning and paint work required to preserve ship's hull	As per Serial 9 Column b.	As per Serial 9 Column c.

9.	Detailed scope of work	a		b	c		
		Detail of Repair Work Required		Detail of Services Required	Detail of Spares Required		
		xvi.	Paint work of bilges areas	Cleaning, scrubbing, surface preparedness for paint work and painting of bilges areas of following compartments: • Paint Store/ Chain Cable Locker • Armory • Rigging Store • AC Compartment • Gyro Room • Fwd Messes • Senior Rate messes • Aft Mess	-		
		xvii.	Paint work of main and auxiliary machinery and machinery compartments	Cleaning, scrubbing and surface preparing for paint work and painting required	-		
		xviii.	Securing of all compartments deck plates	Securing of deck plates on frame/ angle with flat head nuts & bolts	-		
		xix.	Replacement of false ceiling of EVAC compartment	Removal of existing false ceiling and replacement with new	-		
		xx.	Inspect bilges cleaning and anti-rust painting of said compartments.				
		xxi.	Clean the bilges manually with soft and hard brushes.				
		xxii.	Clean all outfitting and clear limber holes.				
		xxiii.	Apply 02 coats of anti-rust primer.				
		xxiv.	Protective paint/ zinc metal spray paint bilges deck outfitting as per ships husbandry color scheme and according to survey structure.				
		xxv.	All foot plates are to removed and refit by the firm				
		xxvi.	All tools and paint accessories required for said work are to be arranged by the firm.				
		xxvii.	All area under foot plates is to be painted including pipes and angles etc				
		xxviii.	Any damage/ defect/wear tear occurred during course of removal, repair and installation of system/equipment will be repaired/ met by firm				
		xxix.	Requirement of external services, if required will be responsibility of firm				
		xxx.	The firm will be responsible of welding/ cutting and external services if required				
		xxxi.	All spares must be genuine/marine version, tools special equipment/ accessories required for said repair/ maintenance are to be arranged by the firm				
		xxxii.	The firm will be responsible for all removal, transportation and installation work during warranty/ grantee periods claims in case of any rework				
		10.	Technical Specs	As per detail scope of work			
		11.	Eligibilities	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.
12.	EDC	90 x days after issuance of work/ confirmation order
13.	Warranty	01 Year
14.	Acceptance Criteria	Successful completion and acceptance by the end user
15.	Any other relevant info	Quality material is to be used

REQUIREMENT OF PNEUMATIC RUBBER FENDER PMSA BASE GWADAR JETTY PICKET
- PMSS NAZIM/ PMSA BASE GWADAR

S No	Details				
1.	Ships Name	PMSS NAZIM/ PMSA Base Gwadar			
2.	Parent Equipment	Pneumatic Rubber Fender			
3.	Quantity	05			
4.	Justification for Work	It is submitted that, ZHB-03 is stationed at PMSA Base Gwadar and same asset plays vital role in conducting efficient and effective operation/ patrolling assigned task from HQ PMSA as well as in SAR ops. Presently, ZHB-03 is in ops condition, however, the pneumatic tube and rubber fender line is deteriorated and unable to repair due FWT. Moreover, tube is unable to retain air permanently for long duration causing severally damage the hull of boat while securing alongside jetty or boat as well as during boarding ops in sea/ rough weather.			
5.	Work Required	Following items/ parts are required to be replace with new:			
		Description	Length	Width	Req Qty
		Pneumatic Rubber Fender	4 Feet	2 Feet	03
		Pneumatic Rubber Fender	6 Feet	4 Feet	02
6.	Detailed scope of work	It is submitted presently pneumatic rubber fender/ catamaran are not available alongside jetty for safe securing of boats as well as Bhambore. Moreover, in case of high wind speed and rough weather; non-availability of rubber fenders/ catamaran causing damage of boats.			
		a	b	c	
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	
7.	Technical Specs	As mentioned above			
8.	Eligibilities	Any local/ international well reputed firm having experience of said work. Firm must visit and physically inspect the work site.			
9.	EDC	90 days			
10.	Warranty	02 year			
11.	Acceptance Criteria	Inspection by end user and successful completion of work			

IT NO: IT/99/40/2026-27
SERVICING/ OVERHAULING OF BILGES WATER PUMP AND BILGES SUCTION
PNEUMATIC VALVES - PMSS ZHOB

S No	Details				
	Ships Name	PMSS ZHOB			
2.	Parent Equipment	Bilge water pump and Bilges suction pneumatic valves			
3.	OEM	China			
4.	Model	G35-1-00			
5.	Origin	Jiangsu Zhenhua Pump Industry Co..Ltd			
6.	Sub Equipment	Bilge water pump and Bilges suction pneumatic valves			
7.	Assembly Component	Biige water pump and Bilges suction pneumatic valves			
8.	Part No. of Assembly Component	CP10-0.5T			
9.	Quantity	Biiges water pump 1 Pneumatic valves 8			
10.	Source of Availability	Jiangsu Zhenhua Pump Industry Co. Ltd			
11.	Justification for Work	Upon inspection bilges water pump and bilges water suction pneumatic valves performance degraded required servicing/ overhauling.			
12.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		a. Bilges pump fitting work in progress after repair by Noble Enterprises. b. 02 in no of air pneumatic suction valve Aft engine room observed malfunction. c. 01 x FWD chiller air pneumatic suction found SAT. d. 01 x Sewage treatment plant air pneumatic suction valve air line observed broken & control valve wiring open. e. 01 x pneumatic valve FWD engine room observed missing & 01 valve observed stuck. f. 01 x pneumatic valve FWD engine room observed suction line open. g. 01 x pneumatic valve AFT engine room observed stuck	Servicing/ overhauling of bilges water pump and complete servicing of bilges suction pneumatic valves through OEM/ local engineering house.	See S.No 13 Para b	See S.No 13 Para c

		a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
13.	Detailed scope of work	Servicing/ overhauling of bilges water pump and complete servicing of bilges suction pneumatic valves through OEM/ local engineering house.	a. Contractor is to visit ship and carry out detailed inspection of pump. b. Servicing/ replacement of any other part, if required will be treated as growth work c. Pump to be completely dismantled for servicing/ overhauling. d. Pump to be inspected for wear in body/ casing and other components. e. Shaft trueness to be checked and corrected if required. f. Assembling of pump and fitting back by the firm. g. Firm to use OEM genuine spare parts if deemed necessary. h. All parts are to be properly aligned during assembling pump no loose fit will be accepted. j. All tools and test equipment's will be arranged by the firm. k. Complete servicing of bilges suction pneumatic valves. l. Dismantled/ assembling of all pneumatic valves for servicing/ overhauling.	Bilges water pump 1 x No Pneumatic valves 8 x No
14.	Technical Specs	As per OEM manual (Attached)		
15.	Eligibilities	Reputable contractor having working experience of daily bilges pump motor/ electrical equipment's.		
16.	EDC	90 Days		
17.	Warranty	2 year warranty for satisfactory operation of daily bilge pump without following defects: a. Leakage from pump, mechanical seal, suction and discharge valves. b. Increased vibration/ noise/ hard to rotate. c. Decreased/ low discharge pressure of bilge water after fitted with pump. d. Low/ Zero insulation of motors. e. Leakage/ hard operation of bilges water suction pneumatic valves.		
18.	Acceptance Criteria	a. Satisfactory discharge pressure of bilge water flow. b. Satisfactory and smooth operation without high vibration and noise. c. Satisfactory operation without leakage. d. Precise alignment, impeller should be free to rotate. e. Successful trials by end user. f. Satisfactory operation of bilges water suction pneumatic valves.		
19.	Any other relevant info	a. Damage/ defect occurred to system during work will be responsibility contractor. b. Dismantling/ assembling/ installation and in way removal work is responsibility of contractor.		

IT NO: IT/99/41/2026-27
SERVICING OVERHAULING OF STARTER AND MOTORS - PMSS NUSRAT

S No	Details				
1.	Ships Name	PMSS NUSRAT			
2.	Parent Equipment	Starters & motors			
3.	Sub Equipment	Starters & motors			
4.	Assembly Component	Starters & motors			
5.	Quantity	12 x starters & 04 x motors			
6.	Justification for Work	Servicing/ overhauling of Starters & motors to improve efficiency			
7.	Work Required	a	b	c	d
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required
		Servicing/ overhauling of Starters & motors to improve efficiency	Servicing/ overhauling of Starters and motors for sat ops	See detail S No 8 Column b	As per requirement
8.	Detailed scope of work	a	b	c	
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	
		Servicing/ overhauling of Starters & motors to improve efficiency	a. Servicing/ overhauling of 02 x starters and controller of fire main pumps at FER and AER. b. Servicing/ overhauling of 03 x fresh water pumps starters and motors. c. Servicing/ overhauling of 04 x engine room exhaust fans motor and starters. d. Servicing/ overhauling of SSDG 1,2 & 3 starters. e. All defective equipment should be replaced with new as per specification. f. Old / defective parts/ components are to be handed over to SS. g. All spares (must be genuine) tools, special equipment / accessories for said repair. Replacement are to be arranged by the firm. h. Any damage / defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the	As per requirement	

			firm. j. The firm will be responsible to undertake any work not covered above to ensure good quality of work k. The firm will be responsible for requirement of external services. l. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work i. Any damage / defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the firm. j. There will be no growth of work	
9.	Technical Specs	As per scope of work		
10.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares b. The firm should have good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered		
11.	EDC	03 x week after issuance of work/ confirmation order		
12.	Warranty	01 year from the date of acceptance		
13.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS		

IT NO: IT/99/42/2026-27
HIRING OF CIVIL CONSULTANT

1. Pakistan Maritime Security Agency (PMSA) intends to hire the services of a Civil Engineering Consulting Firm for the "Resident/ Detailed supervision of Pakistan Maritime Housing Scheme" on its 4.9 Acres (24,053 Sq Yds) plot in DHA Phase VII Extn. Reputable Consultancy Firms having vast experience in relevant field may apply.
2. Consultancy Services briefly include the following works to be executed by the Consultant:
 - a. Assess and evaluate the drawings/ designs, BoQs and Technical Specifications submitted by the builder. Provide advice and input where necessary.
 - b. Preparation of detailed work schedule in coordination with builder.
 - c. Provide detailed supervision of the project by appointing on site civil engineer.
 - d. Provide weekly and monthly reports as per planned work schedule.
 - e. To ensure that work is carried out as per drawings BoQs and technical specifications.
 - f. To provide advice in the selection of material to be use in construction.
 - g. Quality controlling as per defined construction standards and bye-laws.
3. The consultant is required to submit the following documents:
 - a. Valid PEC Registration Certificate.
 - b. An affidavit on judicial stamp paper to the effect that the bidder has never been blacklisted by any Government Organization.
 - c. Company Profile
 - d. Preliminary site report
 - e. Financial & Technical Proposal

IT NO: IT/99/43/2026-27
REPLACEMENT OF STAIRS - PMSS NUSRAT

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	stairs		
3.	Quantity	08 x No		
4.	Justification for Work	Replacement of 03 x deteriorated stairs with aluminum stairs and repairing of 05 x stairs "		
5.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Replacement of 03 x deteriorated stairs with aluminum stairs and repairing of 05 x stairs	Repair/ replacement work to be carried out for sat ops	See detail S No 6 Column b
6.	Detailed scope of work	d	b	c
		Spares Required	Detail of Services Required	Detail of Spares Required
		As per requirement	a. Under mentioned stairs are to be replaced with aluminum stairs: i. 01 x Officer alleyway ii. 02 x OPS Mess b. Under mentioned stairs are to be repaired: i. 02 x Messes ii. 01xMCR iii. 01 x Signal deck iv. 01 x Evac compartment c. Replacement of hand rails d. Replacement of aluminum angles on steps e. Replacement of steps f. Replacement of base plates with new. g. Replacement of foot mats h. Polishing of hand rails j. Replacement of securing eyes/ bases including nuts & bolts with new. k. All Special tools and spares are to be arrange by the firm for said work. l. The firm will be responsible to undertake any work not covered above to ensure good quality of work. m. The firm will be responsible for welding/ cutting, if required. n. The firm will be responsible for requirement of external services. p. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period	As per requirement

			claims and in case of any re-work. q. There will be no growth work.	
7.	Technical Specs	As per scope of work		
8.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required item. b. The firm should having good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered		
9.	EDC	03 x week after issuance of work/ confirmation order		
10.	Warranty	01 year from the date of acceptance		
11.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS		

PROCUREMENT AND INSTALLATION OF HMI OF ASME & APME - PMSS NUSRAT

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	ASME & APME Control and Monitoring System		
3.	OEM	ABB		
4.	Origin	Germany		
5.	Sub Equipment	HMI		
6.	Quantity	01		
7.	Justification for Work	Monitoring of ASME & APME is not available at bridge		
8.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Monitoring of ASME & APME is not available at bridge	HMI need to be replaced along with program for smooth operation of ship	HMI need to be replaced along with program
9.	Detailed scope of work	d	e	f
		Defect/ Routine List	Repair Work Required	Services Required
		HMI need to be replaced along with program for smooth operation of ship	a. HMI is to be disconnected. b. New HMI as per requirement is to be arranged. c. Compatible program is to be installed in HMI and same is to be provided to SS. d. New HMI is to be installed. e. The firm will arrange all renewal of wire/ jumper and lugs if required. f. The firm will be responsible to undertake any work not covered above to ensure good quality of work. g. The firm will arrange all spares, tools and accessories etc required for the same work. h. The firm will be responsible for requirement of external services. i. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work. j. There will be no growth of work.	HMI WEINTEK 15"
10.	Technical Specs	As per scope of work		
11.	Eligibilities	d. The firm should visit onboard and carry out inspection to establish the extent of required item. e. The firm should having good experience of the same kind of work required onboard. f. The firm should be NTN/GTN registered		

12.	EDC	03 x week after issuance of work/ confirmation order
13.	Warranty	01 year from the date of acceptance
14.	Acceptance Criteria	c. Satisfactory operation of ASME & APME monitoring system at bridge. d. Satisfactory work done by the firm. e. Practical acceptance by SS

SERVICING/ OVERHAULING OF SSDGS NO 2 & 3 ALTERNATORS - PMSS NUSRAT

S No	Details																
1.	Ships Name	PMSS NUSRAT															
2.	Parent Equipment	SSDG No 2 & 3															
3.	Sub Equipment	SSDG No 2 & 3 alternators															
4.	Assembly Component	Alternators with all associated accessories															
5.	Quantity	03 x No															
6.	Justification for Work	To improve efficiency of SSDG No 2 & 3															
7.	Work Required	<table><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td>Defect/ Routine List</td><td>Repair Work Required</td><td>Services Required</td><td>Spares Required</td></tr><tr><td>To improve efficiency of SSDG No 2 & 3</td><td>Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops</td><td>See S.No 8 Para b</td><td>a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement</td></tr></table>				a	b	c	d	Defect/ Routine List	Repair Work Required	Services Required	Spares Required	To improve efficiency of SSDG No 2 & 3	Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops	See S.No 8 Para b	a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement
		a	b	c	d												
		Defect/ Routine List	Repair Work Required	Services Required	Spares Required												
To improve efficiency of SSDG No 2 & 3	Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops	See S.No 8 Para b	a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement														
8.	Detailed scope of work	<table><tr><td>a</td><td>b</td><td>c</td></tr><tr><td>Detail of Repair Work Required</td><td>Detail of Services Required</td><td>Detail of Spares Required</td></tr><tr><td>Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops</td><td>a. Remove alternator and unshipped. b. Servicing and overhauling of exciter rotor of SSDG No 2 & 3. c. Inspect and measure insulation/field balancing of main stator and rotor of the alternator and carry out appropriate repair work if required. d. Replace bridge diode assembly (spare diode assembly to be provided). e. Install the alternator f. Replace AVR card g. Replace Bearings if required h. Old / defective parts/ components are to be handed over to SS. j. All spares (must be genuine) tools, special equipment / accessories for said repair. Replacement to be arranged by the firm. k. Any damage/ defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the firm. l. The firm will be responsible to undertake any work not covered above to ensure good quality of work. m. The firm will be responsible for</td><td>a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement</td></tr></table>				a	b	c	Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required	Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops	a. Remove alternator and unshipped. b. Servicing and overhauling of exciter rotor of SSDG No 2 & 3. c. Inspect and measure insulation/field balancing of main stator and rotor of the alternator and carry out appropriate repair work if required. d. Replace bridge diode assembly (spare diode assembly to be provided). e. Install the alternator f. Replace AVR card g. Replace Bearings if required h. Old / defective parts/ components are to be handed over to SS. j. All spares (must be genuine) tools, special equipment / accessories for said repair. Replacement to be arranged by the firm. k. Any damage/ defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the firm. l. The firm will be responsible to undertake any work not covered above to ensure good quality of work. m. The firm will be responsible for	a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement			
		a	b	c													
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required													
Servicing/ overhauling of SSDG No 2 & 3 alternators for sat ops	a. Remove alternator and unshipped. b. Servicing and overhauling of exciter rotor of SSDG No 2 & 3. c. Inspect and measure insulation/field balancing of main stator and rotor of the alternator and carry out appropriate repair work if required. d. Replace bridge diode assembly (spare diode assembly to be provided). e. Install the alternator f. Replace AVR card g. Replace Bearings if required h. Old / defective parts/ components are to be handed over to SS. j. All spares (must be genuine) tools, special equipment / accessories for said repair. Replacement to be arranged by the firm. k. Any damage/ defect/ wear tear occurred during course of repair and replacement of system / equipment will be repaired by the firm. l. The firm will be responsible to undertake any work not covered above to ensure good quality of work. m. The firm will be responsible for	a. 03 x bridge diode assembly b. 03 x AVR cards c. As per requirement															

			welding/ cutting, if required. n. The firm will be responsible for requirement of external services. p. The firm will be responsible for all removal, transportation and installation work during warranty/ guarantee period claims and in case of any re-work. q. There will be no growth of work	
9.	Technical Specs	Output Capacity	380V, 50 Hz, 3 Phase 2 x 110 KW and 1 x 62 KW	
10.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares. b. The firm should have good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered		
11.	EDC	03 x week after issuance of work/ confirmation order		
12.	Warranty	01 year from the date of acceptance		
13.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS. c. Satisfactory HATs		

IT NO: IT/99/46/2026-27
REPLACEMENT OF DRAIN LINE OF NRVS - PMSS NUSRAT

S No	Details			
1.	Ships Name	PMSS NUSRAT		
2.	Parent Equipment	Drain line NRVs		
3.	Sub Equipment	Drain line NRVs		
4.	Assembly Component	Drain line NRVs		
5.	Quantity	09 x No		
6.	Justification for Work	Drain line NRVs deteriorated due to FWT with the passage of time		
7.	Work Required	a	b	c
		Defect/ Routine List	Repair Work Required	Services Required
		Drain line NRVs deteriorated due to FWT with the passage of time	Replacement of drain line NRVs for sat ops	See S.No 14 Para b
				d
				Spares Required
				- New Brass NRV as per sample - SS nut and bolts
8.	Detailed scope of work	a	b	c
		Detail of Repair Work Required	Detail of Services Required	Detail of Spares Required
		Replacement of drain line NRVs for sat ops	a. Sailor's washroom shank drain line NRV to be opened (Size 2"). b. Sailor's washroom dirty water line NRV to be opened. (Size 4"). c. Sailor's dining hall 02 x drain lines NRVs to be opened (Size 2"). d. Sailor's washroom bath drain line NRV to be opened (Size 3"). e. Officer's washroom (1 deck & 01 deck) drain line NRV to be opened (Size 2"). f. NRVs to be replaced with new. g. 02 x Firemain discharge line NRVs (Dia 3"). h. New NRVs to be fitted back. j. Special tools and spares are to be arranged by the firm for said work. k. The firm will be responsible to undertake any work not covered above to ensure good quality of work. l. The firm will be responsible for requirement of external services m. The firm will be responsible for all removal; transportation and installation work during warranty/ guarantee period claims and in case of any re-work. m. Any damage / defect/ wear tear	- New Brass NRV as per sample. - SS nut and bolts.

		<table border="1"> <tr> <td></td><td> occurred during course of repair and replacement of system / equipment will be repaired by the firm. n. There will be no growth of work. </td><td></td></tr> </table>		occurred during course of repair and replacement of system / equipment will be repaired by the firm. n. There will be no growth of work.	
	occurred during course of repair and replacement of system / equipment will be repaired by the firm. n. There will be no growth of work.				
9.	Technical Specs	As per scope of work			
10.	Eligibilities	a. The firm should visit onboard and carry out inspection to establish the extent of required work and spares b. The firm should have good experience of the same kind of work required onboard. c. The firm should be NTN/GTN registered			
11.	EDC	02 week after issuance of work/ confirmation order			
12.	Warranty	01 year from the date of acceptance			
13.	Acceptance Criteria	a. Satisfactory work done by the firm. b. Practical acceptance by SS			

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 2,000/-** for single stage single envelope and **Rs 7500/-** for Single Stage Two Envelop 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. 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.