

PAMBANSANG PUNONGHIMPILAN TANOD BAYBAYIN NG PILIPINAS

(National Headquarters Philippine Coast Guard) **Bids and Awards Committee**139 25th Street, Port Area,

1018 Manila

26 June 2025

SUPPLEMENTAL/BID BULLETIN NO. 03-2025

This Supplemental/Bid Bulletin No. 03-2025 are hereby amended to read as and additional item/s must be included as required of the Bidding Documents for the project SUPPLY, DELIVERY, INSTALLATION, INTEGRATION, AND TESTING OF ADDITIONAL RADAR FOR THE CEBU VESSEL TRAFFIC MANAGEMENT SYSTEM (VTMS), detailed as follows:

Section I. Invitation to Bid

FROM:

Section I. Invitation to Bid

- 1. The Philippine Coast Guard through the General Appropriations Act for CY 2025 intends to apply the sum of Thirty-Six Million Eight Hundred Eighty-Eight Thousand Nine Hundred Seventy-Eight Pesos and 67/100 (PHP 36,888,978.67) being the Approved Budget for the Contract (ABC) to payments under the contract for the Supply, Delivery, Installation, Integration, and Testing of Additional Radar for the Cebu Vessel Traffic Management System (VTMS). Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Philippine Coast Guard now invites bids for the above Procurement Project. Delivery of the Goods is required within One Hundred Eighty (180) calendar days upon receipt by the winning supplier of the Notice to Proceed (NTP) with warranty of at least three (3) years upon acceptance. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

XXX XXX XXX

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2. The Philippine Coast Guard now invites bids for the above Procurement Project. Delivery of the Goods is required within Three Hundred Sixty-Five (365) calendar days or One (1) year upon receipt by the winning supplier of the Notice to Proceed (NTP) with warranty of at least One (1) year upon acceptance. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

XXX XXX XXX

Section VI. Schedule of Requirements

FROM:

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The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
1.	Supply, Delivery, Installation, Integration, and Testing of Additional Radar for the Cebu Vessel Traffic Management System (VTMS)	1 Lot	1 Lot	The total number of days of delivery shall not exceed One Hundred Eighty (180) calendar days upon issuance of the Notice to Proceed (NTP).

This is to certify that w	e commit to comply	with the	above-mentioned	delivery	requirements
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[Signature of the Authorized Rep.]	[in the capacity of] (Please indicate position of Authorized Rep.)
Duly authorized to sign Bid for and or	behalf of
(Please indicate name of company)	

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Duly authorized to sign Bid for and on (Please indicate name of company)	behalf of



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TO READ AS:

Section VII. Technical Specifications

1.		ply, Delivery, Installation adar for the Cebu Vessel			Please indicate either: "Comply" or "Not Comply"
2.	radar system is highly re VTMS Control. With the Center, it shall be prev	a VTMSC operational effect ecommended to be installed e additional radar system at enting any target detection ova Bridge area. Thus, di veness of Cebu VTMS.	l at the Cebu i issue:	vexisting Cebu VTMS Control s at the newly	
3.	Scope of Works: The requirement for the project shall be the follow 1. Supply, design, is state X-band rada at Cebu VTMS C 2. Integration of the VHF radio common system 3. Necessary set-up include the opera and VHF radio common co				
4.	Requirements:				
	CON	IPONENTS:		QUANTITY	
	solid-state X-band rac	ation, integration, and testi lar system, and VHF and conduct operator the end-user.	radio	1 Lot	
5.	Technical Specification:				
	> Additional Solid Center	State X-Band Radar for C	ebu V	TMS Control	
	Items	Description		Qty	
	1. Solid State X- band Radar System	-		1 LOT	Statement of Compliance:

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1.1. Dual X-Band Solid-State Radar Transmitter- Receiver (TRX)		1 SET	Statement o Compliance
1.1.1 Electrical Specifications:			Statement of Compliance
Туре:	X-band, dual type		
Transmitting frequency:	9400MHz – 9500MHz		
Transmit power:	200W +1dB, -3dB		
Transmitter type:	Solid-state power amplifier		
Transmitting device:	Solid-state		
Pulse width:	0.07μs – 28μs, selectable		
Pulse repetition frequency:	2280Hz - 640Hz (with duty ratio of transmitting device)		
Power Source:	AC220V, single-phase, 60Hz		
1.1.2 Dummy Load			Statement of Compliance:
Frequency Range	7.0GHz to 10Ghz		
VSWR	1.10 or less		
1.1.3 Dehydrator			Statement of Compliance:
Output air flow volume:	3+/- liter/min (at atmospheric pressure)		
Pressure switch	1.05 or less		
1.2. 9 ft. X-band Radar Antenna		1 SET	Statement of Compliance:

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Туре:	9 feet slotted array type		
Frequency band	9GHz band		
Scanning	Approx 24rpm		
Beamwidth (- 3dB)	Horizontal approx 0.8° or less / Vertical approx 20°		
Polarization	Horizontal polarization		
VSWR	1.3 or less		
Motor	AC220V single phase, 60Hz		
1.3. Radar Signal Processor		1 SET	Statement of Compliance:
1.3.1. Function			
(1) Radar interface			
- Input signal	Radar video signal and		
- Output signal	antenna bearing signal Control signal for RADAR transceiver		
(2) Radar signal processing and target extraction			
- Input signal	RADAR video, antenna bearing, and trigger		
- A/D converter	12 bits or more		
- Range	Approx. 100ns (15m) or		
resolution	less		
- Processing range	More than 24NM		
- Radar signal processing	STC, FTC, CFAR, scanto-scan correlation, interference rejection, and target extraction		
- Capacity of	4096 or more per one		
target extraction	scan		
(3) Tracking			
- Tracking method	Automatic tracking and semi-automatic tracking		
- Tracking acquisition	Automatic or manual		

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 Addition of ID track 	Availability of ID to the tracked target		
 Capacity of automatic tracking 	500 targets or more		
- Output data	B-scope compressed radar video data, tracked target data and warning information		
(4) Output video signal			
- Type of output signal (5) Interface	Processed raw radar video data		
- Transmission method	10Base-T / 100Base-TX	·	
- Surge protection device	Shall be provided on data line		
1.4. Service Display		1 SET	Statement of Compliance:
1.4.1. Function	This monitor shall be installed at radar station to display radar echo and others for maintenance work		
1.4.2. Electrical specification			
- Туре	17" color LCD monitor or equivalent		
- Input signal	10Base-T / 100Base-TX with SPD		
- Resolution	1280 x 1024 pixels or equivalent		
- Power source	AC220V, single-phase, 60Hz with SPD		
2. Shore-Based VHF Radio Communication System		1 LOT	Statement of Compliance:
2.1. VHF Transceiver		2 SETS	Statement of Compliance:
2.1.1 General			

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Frequency range	Transmitting 156.300MHz to 162.025MHz	
	Receiving 156.025MHz to 157.425MHz	
Preset channels	Selectable from 57 channels in RR-AP-18 having at least 8 preset CHs	
Power consumption	Less than 300VA	
Power source	AC220V, single phase, 60Hz	
Surge protective device (SPD)	Shall be provided on power source	
2.1.2 Transmitter Section		
Transmission Power	50W +/- 10%	
Oscillation	PLL frequency synthesizer	
Frequency tolerance	$+/-5 \times 10^{-6}$ or less	
Bandwidth	16kHz or less (wide/narrow)	
Frequency Deviation	Within +/-5kHz or less	
Class of emission	G3E	
Audio input	-10dBm +/-3dB for 60% (Nominal 600 ohm balanced)	
Press talk function	Shall be provided	
2.1.3 Receiver section		

Method of	Double super heterodyne		
receiving			
14441111118			
Oscillation	PLL frequency synthesizer		
Sensibility	0dBu e.m.f or less for 20dB noise quieting method		
Audio output	-10dBm +/13dB (Nominal 600 ohm balanced)		
2.1.4 Interface			
Transmission method	TCP/IP (10Base-T/100Base-TX)		
Surge protective device (SPD)	Shall be provided on data line		
2.2. VHF Antenna Duplexer		2 SETS	Statement of Compliance:
Frequency band	156Mhz – 175MHz		
Insertion loss (TX to ANT)	2dB or less at the specified center frequency		
Insertion loss (ANT to RX)	2dB or less at the specified center frequency		
Allowable transmission power	50W or more		
VSWR	1.5 or less		
Impedance	50 ohm		
2.3. VHF Antenna		2 SETS	Statement of Compliance:
Frequency range	142MHz – 170MHz		
Impedance:	50 ohms		0.01.0.00100001000000000000000000000000

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VSWR	1.5 or less		
Gain	2.15 dBi or better (at Center frequency)		
2.4. Coaxial Arrester		2 SETS	Statement of Compliance:
Туре	Coaxial type (stub or gas gap model)		
Frequency range	1.5 – 400MHz		
Impedance	50 ohm		
Insertion loss	0.5dB or less		
Pass power	50W or more		
VSWR	1.2 or less		
2.5. Coaxial cable with connectors		2 SETS	Statement of Compliance:
Connector type	N-type		
Connector impedance	50 ohms		
Cable impedance	50 ohms or better		
Cable type	Outdoor		
3. Telecom Work		· · · · · · · · · · · · · · · · · · ·	Statement of Compliance:



3.1. VTMS Control Center	Contractor shall perform the installation, testing, adjustment, and commissioning of the new dual X-Band solid- state Radar TRX and VHF Communication System. Contractor shall integrate the new dual X- Band solid-state Radar TRX and VHF Communication System to the existing Cebu VTMS System. Other necessary software	Statement of Compliance:
	update or configuration shall be likewise be performed to fully integrate the new equipment to the existing Cebu VTMS System.	
4. Submittals	Contractor shall submit of the following as part of completion work a. As-built drawings (Civil, Electrical, Installation, Wiring Diagram) in A3 hardcopy and CD of softcopy in pdf b. Equipment Operation Manual c. Equipment Maintenance Manual	Statement of Compliance:
	that the equipment to be supplied are fully regrated to the existing Cebu VTMS.	Statement of Compliance:
	he project must come from a reputable and g in the market for at least 20 years	Statement of Compliance:



Other Terms and Conditions:	Please indicate either: "Comply" or "Not Comply"
All items shall have a warranty of at least one (1) year upon acceptance	Statement of Compliance:
Period for Correction of Defects: Minor Defect: Small issue that doesn't affect the basic functions of the equipment and shall be rectified within 30 calendar days from the date of delivery. Major Defect: Serious problem that stops the equipment from working and shall be rectified within 60 calendar days from the	Statement of Compliance:
Other requirements to be submitted by the Bidder as part of the First (1st) Bid Envelope (Technical Component, with	
Eligibility Documents)	
Brochures/Literature of the Equipment	Statement of Compliance:
Certificate of Authorized Distributorship	Statement of Compliance:
National Telecommunications Commission (NTC) Dealers Permit	Statement of Compliance:
Statement or List of at least one (1) Service Center in Metro Manila and/or Visayas, together with the address, contact persons and mportant contact details.	Statement of Compliance:
The service center/s provided should be supported by a copy of the its Mayor's Permit or Business Permit.	
Manufacturer's ISO Certificate (ISO 9001, ISO 14001 & ISO/IEC 27001)	Statement of Compliance:
Fime-bound/schedule of the implementation of the project, which can be in a form of a GANTT Chart.	Statement of Compliance:
Origin: The provider shall provide proof that the equipment and systems to be delivered to the PCG must be at least a member of G7 or NATO countries	Statement of Compliance:



Statement of Compliance:
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The local bidder should have domestic expertise and experience in Solid State X-Band Radar system to be supplied including installation works and operations training works. To shorten the downtime of the Solid State X-Band Radar system, bidders shall have their local team of engineers and technicians specially trained on Solid State X-Band Radar System operation and maintenance to facilitate immediate repair and maintenance during the warranty period and thereafter.	
Manpower Requirements	Statement of Compliance:
The bidder shall provide at least two (2) licensed Electronics Engineers, who are employees of the local bidder and permanently detailed in the Philippines. The list of licensed Electronics Engineers must be supported by the following documents which shall be submitted as part of the First (1st) Bid Envelope (Technical Component), to wit: 1. Resume; 2. Certificate of employment of the (2) two Electronic Engineers, together with their professional licenses issued by the Professional Regulation Commission (PRC).	
The aforesaid Electronics engineers must have experience of not less than five (5) years in the installation works and maintenance of Solid State X-Band Radar systems and be capable of conducting training to PCG Engineers and staff for the Solid State X-Band Radar operation and maintenance.	
The bidder shall submit a Letter of guarantee for the after-sales support and supply of spare parts/units issued by the Solid State X-Band Radar equipment manufacturer for dependable long-term support for ten (10) years to the Philippine Coast Guard (PCG) for	Statement of Compliance:
the after-sales support and the supply of spare and replacement parts/units of the core VTMS equipment to be supplied.	
The bidder shall provide workmanship and equipment warranty against defects of the goods supplied for a period of one (1) year.	Statement of Compliance:



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Timeline	Statement of Compliance:
Philippines.	
The PCG shall have the right to reject and return the unit and cancel the corresponding Contract if the unit delivered is defective, incomplete, or non-compliant with the specification herein specified, or for any other reason advantageous to the Republic of the	Statement of Compliance:
The cost of delivery of equipment and materials to its final destination (incoterms 2020 delivered duty paid) shall be borne by the supplier.	
Scope of Work	Statement of Compliance:
Acceptance Parameters – Only items that conform with the technical specifications shall be accepted.	Statement of Compliance:
The Service Provider must dedicate on-call technical personnel to provide support for any issues encountered within the system from the entire duration of the warranty.	Statement of Compliance:
The Service Provider must assign one (1) Project Manager and at least two (2) technical systems analysts to be in contact with the PCG from the time of the installation until acceptance of the Technical team of the PCG of the project, to assist in the support, integration, set-up, and maintenance of the platform.	Statement of Compliance:
The Service Provider shall provide 24/7 technical support service for the entire warranty period at no additional cost: Technical personnel: at least two (2) dedicated technical personnel with complete contact details Phone Support: Provide a toll-free number for customers to call anytime. Live Chat: Integrate live chat support on your website and mobile app. Email Support: Offer email support for non-urgent issues, ensuring a quick response time. Social Media: Monitor and respond to customer queries on social media platforms. Self-Service Portal: Develop a robust self-service portal with FAQs, troubleshooting guides, and video tutorials.	Statement of Compliance:



Upon issuance of Notice to Proceed (NTP)	
Within three (3) Working days conduct of kick-off meeting after the Notice to Proceed (NTP)	
Within ten (10) Working days after NTP	
 Presentation of Working Design of the System Reconciliation of Technical Concerns and Issues 	
Within One Hundred Twenty (120) Calendar days after NTP ❖ Pre-Delivery Inspection	
Within One Hundred Eighty (180) Calendar days after NTP	
 The TWG, TIAC, and End-User shall conduct a joint inspection as to the quantity, quality, functionality, and readiness of the equipment if the said matters are compliant with the submitted technical data sheet of the winning bidder/supplier. Supplier shall conduct comprehensive training with PCG personnel regarding the operation and maintenance of the system. 	
As part of the pre-acceptance activity, the Service Provider will host a meeting to present a progress report before the TWG, TIAC, and end-user for proper evaluation regarding the status and potential date of completion of the said project, if the Service Provider complies with the checklist provided by the TWG, such as but not imited to, working system, functionality, and performance of the project.	Statement of Compliance:
After the pre-acceptance activity, the TWG, TIAC, and end-user will declare whether the service provider complies with the said checklist.	Statement of Compliance:
Training	Statement of Compliance:
Service Provider shall provide training and seminar packages in the handling, safety, and other related training to the system's operation to the PCG. This shall include incidental activities in the pursuance of the training/seminar which shall be conducted face-to-face or online platform	



The training must be detailed enough for the technical participants to be able to completely operate and maintain the platform. The training must also include troubleshooting, preventive maintenance, and business continuity planning/testing.	
Appropriate training manuals must be provided for each participant. The training manuals must be easy to understand and comprehensive. The training manuals shall be available in both soft and hard copy formats.	Statement of Compliance:
The supplier shall issue certification to the qualified PCG personnel upon completion of the equipment operations and maintenance training.	Statement of Compliance:
Non-Disclosure	Statement of Compliance:
The Supplier warrants the security and ensures the Confidentiality, Integrity, and Availability of the system and all the processed data on the system and shall be held liable in case of breach thereof.	
Documentation	Statement of Compliance:
The Service Provider shall provide complete documentation for every deliverable and at every end of each development stage and milestone which will be submitted to the PCG for approval.	
As part of the post-qualification evaluation, the Service Provider will be asked on a predetermined date to present a working solution/system, with the necessary documentation such as systems design specifications and technical architecture design, to the Technical Working Group (TWG) and CGWEIS for proper evaluation.	Statement of Compliance:
Quality and Warranty	Statement of Compliance:
The Supplier shall maintain the Warranty Agreement for at least One (1) year shall cover only failures resulting from natural defects. Failures caused by human error, such as operational misuse, or by force majeure events (e.g., natural disasters), shall not be covered under this warranty starting from the date of contract completion.	

Warranty Security shall be covered by a Retention Money or Special Bank Guarantee amounting to at least of one percent (1%) of the total contract price. The warranty security shall be valid for twelve (12) months. However, the warranty security can only be released if the supplies delivered are free from patent and latent defects and all the conditions imposed under this Contract have been fully met.	Statement of Compliance:
The Supplier's liability shall be as provided by the laws of the Republic of the Philippines.	Statement of Compliance:
Contact Person	Statement of Compliance:
The following shall be the authorized and direct contact person of the SUPPLIER:	
LTJG JOEL L BALABA PCG Project Management Officer for the Supply, Delivery, Installation, Integration, and Testing of Additional Radar for the Cebu Vessel Traffic Management System (VTMS)	
Contact #: 09562756866 (Globe)	
[Signature of the Authorized Rep.] [in the capacity of] (I of Authorized Rep.)	Please indicate position
Duly authorized to sign Bid for and on behalf of(Please indicate name of company)	
For guidance and information of all concerned.	*
RADM HOSTILLO ARTURO E CORNELIO PCG Chairperson, NHQ-PCG Bids and Awards Committee	
Received by the bidders:	
Name: Date:	

