



Department of Health
Republic of the Philippines
CENTRAL OFFICE BIDS AND AWARDS COMMITTEE

BID BULLETIN NO. 2

26 November 2020

**RENTAL OF TRUNKED RADIO COMMUNICATION SYSTEM
(PORTABLE, MOBILE, AND BASE RADIOS)
IB NO. 2021-002**

This Bid Bulletin is being issued to announce the new schedule of the Submission and Opening of Bids and to amend or modify the posted bidding documents in the PhilGEPS and DOH websites for the Rental of Trunked Radio Communication System (Portable, Mobile, and Base Radios) under IB No. 2021-002. This Bid Bulletin will form an integral part of the bidding document. Listed below are the corresponding modifications/changes:

1. NEW SCHEDULE OF SUBMISSION AND OPENING OF BIDS:

PARTICULAR	DATE AND TIME	VENUE
Submission and Opening of Bids	10 December 2020; 9:00 AM	COBAC Conference Room., Ground Floor, Bldg. No. 6, Department of Health, San Lazaro Compound, Sta. Cruz, Manila

2. SCHEDULE OF REQUIREMENTS:

From	To
The delivery period shall commence immediately upon receipt of approved Notice to Proceed (NTP) until 31 December 2021	The delivery shall be within fifteen (15) calendar days from the receipt of approved Notice to Proceed (NTP) until 31 December 2021

3. CHANGES IN TERMS OF REFERENCE (TOR) AND TECHNICAL SPECIFICATIONS:

From	To						
BASE / MOBILE RADIO A. DIGITAL RADIO (UNITS + SUBSCRIPTION / SYSTEM) RECEIVER Selectivity - ETSI – 65Db@ 12.5 kHz / 75Db @ 20/25 kHz	xxx ETSI – 60dB@ 12.5 kHz / 75Db @ 20/25 kHz TO BE INCLUDED: PORTABLE / HANDHELD RADIO <table><tr><td>Dimension (HxWxD)</td><td>125 x 55 x 37mm / 4.921 x 2.165 x 1.458 inch</td></tr><tr><td>Weight</td><td>355g (0.78 lbs)</td></tr><tr><td>RECIEVER</td><td>800MHz</td></tr></table>	Dimension (HxWxD)	125 x 55 x 37mm / 4.921 x 2.165 x 1.458 inch	Weight	355g (0.78 lbs)	RECIEVER	800MHz
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Weight	355g (0.78 lbs)						
RECIEVER	800MHz						

	Frequency Range	851-870 MHz
	Intermodulation	
	- TIA-603	70dB @ 12.5/20/25 kHz
	- ETSI	65dB @ 12.5/20/25 kHz
	Usable Sensitivity	0.3 μ V/BER5%
	Selectivity	
	- TIA-603	60dB @ 12.5 kHz / 70dB
	- ETSI	@ 20/25 kHz
		60dB @ 12.5 kHz / 70dB
		@ 20/25 kHz
	Spurious Rejection	
	- TIA-603	70dB @ 12.5/20/25 kHz
	- ETSI	70dB @ 12.5/20/25 kHz
	Rated Power Output	0.5W
	Rated Audio Output	<3%
	Audio Response	+1~-3dB
	Conducted Spurious Emission	<-57dBm
	TRANSMITTER	800MHz
	RF Power Output	VHF High Power: 50W VHF Low Power: 25W UHF1 High Power: 45W UHF1 Low Power: 25W UHF3: 25W
	Frequency Range	806-825 MHz
	Emission (Conducted & Radiated)	-36dBw <1Ghz & - 30dBw>1GHz

B. ANALOG RADIO (SUBSCRIPTION / SYSTEM ONLY)

BASE / MOBILE RADIO	
Dimension (HxWxD)	125 x 55 x 37mm / 4.921 x 2.165 x 1.458 inch
Weight	355g (0.78 lbs)
RECIEVER	800MHz
Frequency Range	851-870 MHz
Intermodulation	
- TIA-603	70dB @ 12.5/20/25 kHz
- ETSI	65dB @ 12.5/20/25 kHz
Usable Sensitivity	0.3 μ V/BER5%
Selectivity	
- TIA-603	60dB @ 12.5 kHz / 75dB
- ETSI	@ 20/25 kHz
	60dB @ 12.5 kHz / 70dB
	@ 20/25 kHz
Spurious Rejection	
- TIA-603	75dB @ 12.5/20/25 kHz
- ETSI	70dB @ 12.5/20/25 kHz
Rated Power Output	0.5W
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Emission (Conducted & Radiated)	-36dBw <1Ghz & - 30dBw>1GHz	
FM Hum & Noise (Companion Receiver)	40 db @ 12.5 kHz 43 dB @ 20 kHz 45 dB @ 25 kHz <3%	
Audio Distortion Modulation Limiting	±5.0 kHz @ 25kHz	

The revised Schedule of Requirements, Terms of Reference, and Technical Specifications are attached for the Prospective Bidders' reference and use.

All other provisions of the bidding documents which are not affected shall remain in effect.

For guidance and information of all concerned.



GERARDO V. BAYUGO, MD, MPH, CESO III
Undersecretary of Health
/ COBAC-B Chairperson

Section VI. Schedule of Requirements

The delivery schedule expressed as calendar days stipulates hereafter a delivery date which is the date of delivery to the project site.

Lot Number	Description	Quantity	Total ABC (PhP)	Delivery Site	Contract Duration
1	Rental of Trunked Radio Communication System (Portable, Mobile and Base Radios)	1 Lot	4,266,000.00	DOH HEMB Bldg. 12, San Lazaro Compound, Sta. Cruz, Manila	The delivery shall be within fifteen (15) calendar days from the receipt of approved Notice to Proceed (NTP) until 31 December 2021

***Please include the attached Terms of Reference with signature of the duly authorized representative as part of the submission of the bid proposal.**

Signature over Printed Name
[date of signing]

In the capacity of:
Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]
[Name of Company]
[Complete office address]
[Contact No.]
[Fax No.]
[Email Address]

TERMS OF REFERENCE

	Project Title	Rental for Trunked Radio Communication System (Portable, Mobile and Base Radios)
I.	Background / Rationale	<p>Philippines had been hit by countless of emergencies and major disasters such as typhoons, earthquakes, fire incidents and other mass casualty events. Over the years, HEMB-OPCEN has been using base radio transceiver and handheld radios when all other communication equipment failed. In addition, National events such as yearly celebration of Feast of the Black Nazarene, the recent Papal Visit, Asia Pacific Economic Cooperation (APEC) and Association of Southeast Asian Nations (ASEAN), all available radio transceivers were used while all other cell phone networks were blocked and jammed for security reasons.</p> <p>In this regard, as part of enhancement of DOH communication system and considering the limited capacity of the DOH in terms of available trunked radio units, the DOH through the Health Emergency Management Bureau will rent a DIGITAL Trunked Radio System within Metro Manila and also continue the existing subscription of ANALOG Trunked Radio System for outside Metro Manila through a service provider. DIGITAL Trunked Radio System is limited only within Metro Manila.</p> <p>The Trunked Radio Communication System can be utilized for various activities such as real time group calling, monitoring and coordination but not limited to the following activities:</p> <ol style="list-style-type: none"> a. Coordination between DOH Regional Offices, Hospitals, Emergency Response Teams (ERT) and HEMB Operations Center b. Communication and coordination for dispatch of ambulance and emergency vehicles with the receiving DOH Hospital c. Communication and coordination for Emergency Response Teams deployment d. Disaster and other related emergency responses
II.	Objective	To ensure effective monitoring, coordination, communication and response to emergencies, disasters and planned events.

III.	Implementation Arrangements	<div>1. Period of Service: The contract will start within fifteen (15) calendar days from the receipt of approved Notice to Proceed (NTP) until 31 December 2021</div> <div>2. A total of one hundred five (105) units DIGITAL RADIOS (units with system subscription within Metro Manila) and twenty seven (27) existing ANALOG RADIOS (system subscription only outside Metro Manila) will be provided by Service provider</div> <div>3. Service Provider should have repeaters installed and shall provide an efficient and reliable communication system for DOH-HEMB operational requirements on the following areas but not limited to:</div> <table><tr><td>• Metro Manila</td><td>• Cabanatuan</td></tr><tr><td>• Baguio</td><td>• Pampanga</td></tr><tr><td>• Pangasinan</td><td>• Batangas</td></tr></table> <div>4. In case there is a need for increase in the existing number of radio rented and subscribed, it shall be subject for adjustment of the monthly statement of account as agreed upon by both parties charged againsts the HEMB fund.</div> <div>5. Additional interlink fee for outside Metro Manila coverage on top of the existing interlink fee (regardless of number of radio units) not exceeding Five thousand pesos (P5,000.00) shall be charged to HEMB fund.</div> <div>6. The end user shall have the right to terminate the Contract anytime once the Head of Agency, office or group submits reports to the Health Emergency Management Bureau regarding their dissatisfaction once coverage is not met by the service provider, detrimental to public service. However, dissatisfaction complaint shall be validated by both parties prior to termination.</div>	• Metro Manila	• Cabanatuan	• Baguio	• Pampanga	• Pangasinan	• Batangas																																				
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B. ANALOG RADIO (SUBSCRIPTION / SYSTEM ONLY)			
V.	Roles and Responsibilities	I. Health Emergency Management Bureau (HEMB) <ol style="list-style-type: none"> Provides list of areas of engagement to the service provider for their reference Ensures payment of monthly service fee to the service provider Reports any problem encountered in the trunked radio system to the service provider for appropriate action (Repair or replacement, frequency adjustment, calibration, etc) Monitors the functionality of the radio units through daily radio checks In case of damage of Analog trunked radio unit, batteries, and other parts, the end user deserves the right to choose where to buy based on the specifications given by the service provider 	

		<p>II. Service Provider</p> <ol style="list-style-type: none"> Ensure that the trunked radio system and radio units are registered by the National Telecommunications Commission (NTC) and must have an authorization to operate and to charge rate; a copy of registration shall be submitted upon delivery of the units Ensure availability and compatibility of trunked radio system with the existing ANALOG radio units of the end user Ensures the functionality and operational worthiness of the radio units and system Provides a common radio frequency to inter-link all emergency response units in case of emergencies Performs migration, re-programing, calibration and tuning in of the radio units to the proposed network as needed during the contract period Assists DOH in setting up an operational radio communication base (Hub) in areas of engagement Conducts training of radio users on proper use of the radio units Conducts annual preventive maintenance services of all existing radio units Provides backup/ service unit/s upon diagnosis by service provider not within ten (10) days (regardless of location / site which shall continue even when the contract has been extended. Identifies blind spots in the areas of engagement and provides solutions / assistance to the end user Provides free pick-up and delivery of repaired / unit replacement within Metro Manila Provides free service on transfer or relocation of radio base / mobile units to a new location Conducts redesign / upgrade of DOH radio communication system for maximum and efficient signal strength Provides twenty-four (24) hours availability of trunked radio communication system and technical support Ensures availability of technical staff for the installation, test check, repair and replacement of radio units Prepares and submits monthly billing statements to the DOH HEMB for payment of service fees on the first week of the succeeding month. Provides the end user a Monthly progress report for every radio unit under repair, repaired done, and report of functional units, semi-annual report of maintenance check conducted for monitoring purposes Provides all accessories for DIGITAL radios including acoustic earpiece, knobs, antenna, dust cup, belt clip and charger adaptors for portable radios and whip antenna, palm microphone, mounting hardware, DC cable and power supply for base and mobile radios
VI.	Schedule and site of Delivery	The Rented units shall be delivered at DOH HEMB Bldg. 12, San Lazaro Compound, Sta. Cruz, Manila within Fifteen (15) calendar days from the receipt of Notice to Proceed (NTP)
VII.	Duration of Engagement /Project	Upon issuance of Notice to Proceed (NTP) to December 31, 2021

VIII.	Warranties of the Subscriber	<p>A. The Service Provider warrants that it shall conform strictly to all the terms and conditions of this Terms of Reference.</p> <p>B. The Service Provider shall not assign, transfer, pledge, nor subcontract any part or interest therein.</p> <p>C. The Service Provider in the performance of its services shall secure, maintain at its own expense all registration, licenses or permits required by National or Local Laws and shall comply with the rules, regulations and directives of Regulatory authorities and Commissions. The Service Provider undertakes to pay all fees or charges payable to any instrumentality of government or to any other duly constituted authority relating to the use or operation of the installation.</p> <p>D. The Service Provider must ensure that no Interference of radio frequencies shall be encountered to any existing radios utilized by DOH – HEMB within the area of operations</p>
IX.	Terms of Payment	<p>A. Payment shall be made on Monthly Basis from the submission of the documentary requirements such as but not limited to the following based on existing accounting and auditing law, rules and regulations:</p> <ol style="list-style-type: none"> 1. Charge Invoice/Billings/Statement of Accounts. <p>B. The service provider shall be paid under the following manner;</p> <ol style="list-style-type: none"> 1. ANALOG Monthly subscription fees per unit (regardless of model and location of radios) 2. DIGITAL Monthly rental of units and subscription fees per unit (regardless of model and location of radios)

Signature over Printed Name
[date of signing]

In the capacity of:
Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]
[Name of Company]
[Complete office address]
[Contact No.]
[Email Address]
[Fax No.]

Technical Specifications

Republic of the Philippines
Department of Health

TECHNICAL SPECIFICATIONS

Lot No. 1	Trunked Radio Communication System (Portable, Mobile and Base Radios)	Qty / Unit	1 Lot						
Name of Manufacturer:		Country of Origin:							
Brand:		Model (if applicable):							
Total ABC: PhP4,266,000.00									
PURCHASER’S SPECIFICATION		STATEMENT-OF COMPLIANCE							
A. Technical Specifications:									
1. A total of one hundred five (105) units of DIGITAL RADIOS (units with system subscription within Metro Manila) and twenty seven (27) existing ANALOG RADIOS (system subscription only outside Metro Manila) will be provided by the Service provider									
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C. ANALOG RADIO (SUBSCRIPTION / SYSTEM ONLY)																																																					
D. Roles and Responsibilities of the Service Provider:																																																					
1. Ensures that the trunked radio system and radio units are registered by the National																																																					

Republic of the Philippines
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TECHNICAL SPECIFICATIONS

Lot No. 1	Trunked Radio Communication System (Portable, Mobile and Base Radios)	Qty / Unit	1 Lot
Name of Manufacturer:		Country of Origin:	
Brand:		Model (if applicable):	
Total ABC: PhP4,266,000.00			
PURCHASER'S SPECIFICATION		STATEMENT-OF COMPLIANCE	
Telecommunications Commission (NTC) and must have an authorization to operate and to charge rate. A copy of registration shall be submitted upon delivery of the units			
2. Ensures availability and compatibility of trunked radio system with the existing ANALOG radio units of the end user			
3. Ensures the functionality and operational worthiness of the radio units and system			
4. Provides a common radio frequency to inter-link all emergency response units in case of emergencies			
5. Performs migration, re-programing, calibration and tuning in of the radio units to the proposed network as needed during the contract period			
6. Assists DOH in setting up an operational radio communication base (Hub) in areas of engagement			
7. Conducts training of radio users on proper use of the radio units			
8. Conducts annual preventive maintenance services of all existing radio units			
9. Provides backup/ service unit/s upon diagnosis by service provider not within ten (10) days (regardless of location / site which shall continue even when the contract has been extended.			
10. Identifies blind spots in the areas of engagement and provides solutions / assistance to the end user			
11. Provides free pick-up and delivery of repaired / unit replacement within Metro Manila			
12. Provides free service on transfer or relocation of radio base / mobile units to a new location			
13. Conducts redesign / upgrade of DOH radio communication system for maximum and efficient signal strength			

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PURCHASER'S SPECIFICATION		STATEMENT-OF COMPLIANCE	
14. Provides twenty-four (24) hours availability of trunked radio communication system and technical support			
15. Ensures availability of technical staff for the installation, test check, repair and replacement of radio units			
16. Prepares and submits monthly billing statements to the DOH HEMB for payment of service fees on the first week of the succeeding month.			
17. Provides the end user a Monthly progress report for every radio unit under repair, repaired done, and report of functional units, semi-annual report of maintenance check conducted for monitoring purposes			
18. Provides all accessories for DIGITAL radios including acoustic earpiece, knobs, antenna, dust cup, belt clip and charger adaptors for portable radios and whip antenna, palm microphone, mounting hardware, DC cable and power supply for base and mobile radios			
E. Warranties of the Subscriber			
1. The Service Provider warrants that it shall conform strictly to all the terms and conditions of this Terms of Reference.			
2. The Service Provider shall not assign, transfer, pledge, nor subcontract any part or interest therein.			
3. The Service Provider in the performance of its services shall secure, maintain at its own expense all registration, licenses or permits required by the National or Local Laws and shall comply with the rules, regulations and directives of Regulatory authorities and Commissions. The Service Provider undertakes to pay all fees or charges payable to any instrumentality of government or to			

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any other duly constituted authority relating to the use or operation of the installation. 4. The Service Provider must ensure that no Interference of radio frequencies shall be encountered to any existing radios utilized by DOH-HEMB within the area of operations.			

Signature over Printed Name

[date of signing]

In the capacity of:

Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]

[Name of Company]

[Complete office address]

[Contact No.]

[Fax No.]

[Email Address]