



REPUBLIC OF THE PHILIPPINES  
NATIONAL ECONOMIC AND DEVELOPMENT AUTHORITY

**REQUEST FOR QUOTATION**

P.R. No/Date : 18-06-219  
June 8, 2018

RFQ No./Date: 18-06-166  
June 20, 2018

**Gentlemen/Ladies:**

We would like to request you to please quote your lowest price/s for the item/s listed in the attached form. Your submission shall be prepared in accordance with the following requirements:

1. Indicate or write your quotation using this form or your company letterhead. Supplemental information, if any, using your company stationery may be attached to reflect the complete specification of bid e.g., brand name, model, pictures/brochures/literature, etc.
2. Put your quotation in a **SEALED ENVELOPE** and label the envelope with the PR and RFQ numbers or PhilGEPS Reference Number;
3. Address/send your quotation to the **NBAC Secretariat c/o the undersigned** at 2<sup>nd</sup> floor of the address below; and
4. The deadline for submission of your quotation is on 12:00 pm of June 29, 2018.

**The mode of procurement is Small Value Procurement, with an Approved Budget for the Contract (ABC) of PhP274,920.00**

Your participation to this bidding shall be subject to the requirements as identified below:

- ☒ **Registered with PhilGEPS (Attach copy during submission of offer).\***
- ☒ **Quotation must be inclusive of all applicable government taxes** and subject to 5% F-VAT and 1% (PO) or 2% (JO) deductions. **Cash on Delivery (COD) will not be accepted.**
- ☒ Bids should not exceed the Approved Budget for the Contract (ABC) in the amount of PhP274,920.00
- ☐ Award shall be made by lot (please bid for all items to avoid disqualification of bid).
- ☒ Award shall be made by item.
- ☒ Bids should be valid for a **minimum of 30 calendar days** from deadline of submission of bids as indicated above.
- ☒ Procured items shall be delivered to NEDA sa Pasig.
- ☐ An Authority to Sell shall be submitted in bidding for branded ICT items (except supplies).
- ☐ For the repair of equipment/vehicle, on-site inspection of the unit shall be required before submission of bids.

**ALTERNATIVE BIDS OR BID WITH MULTIPLE OPTIONS SHALL BE REJECTED (NBAC Resolution No. 7 (2012))**

With the end in view of obtaining the contract most advantageous to the government, NEDA reserves the right to: 1) accept or reject any or all the quotations/bids and waive any minor deviation in the bid which will not materially affect the substance of the bid; 2) award the contract on a per item/lot basis; and 3) to annul the bidding process and to reject all quotations/bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.

All bidders will be informed of the results of this procurement.

The delivery schedule shall be completed within on July 1, 2018 calendar days to be reflected in the Purchase/Job Order. Failure to comply with this delivery schedule shall be subject to the salient provisions of the Revised IRR of R.A. 9184. Section 68 (Liquidated Damages).

For clarifications, please contact the Procurement Management Division, c/o Ms. Gilda A. Ibno in the address/telephone numbers below.

*Cynthia A. Villena*  
**CYNTHIA A. VILLENA**  
Head, NBAC Secretariat

Dear Ms. Villena

Indicated below is our quotation in response to the RFQ above.....

Item No.	QTY	UNIT	ITEM/DESCRIPTION	BRAND	UNIT PRICE	TOTAL (PhP)
1	1	job	Provision of one (1) year subscription of Digital Trunked Radio Communication System			
			A. Free use of twelve (12) units of Digital Handheld Radios;			
			B. Free use of one (1) unit of Base Radio;			
			C. Installation, configuration of the units and basic training on the use of the devices;			
			D. Includes one-time initial charges for the one (1) year subscription;			
			E. Covering period (July 1, 2018 - June 30, 2019); and			
			F. VAT inclusive.			
			(Note: please see Terms of Reference (TOR) for details)			
			<b>*Qualification and Other Requirements</b>			
			Must submit the following:			
			a. PhilGEPS Registration Number;			
			b. Omnibus Sworn Statement (see attached); and			
			c. Mayor's/Business Permit.			
<b>TOTAL:</b>						
				<b>Amount in Words:</b>		
<b>Contractor's Declaration:</b>				<b>CONFORME</b>		
a. I/We have "Read and Accepted and Good for Agreement" the attached detailed specifications or Terms of Reference (TOR), whichever is applicable, with page and annexes signed by duly authorized representative of _____ (company) on the provided "Conforme Box";				Signature : _____		
b. I/We abide by this bid/quotation for the period of 30 days from the deadline of submission of bid as indicated in the Request for Quotation (RFQ) and it shall remain binding upon us; and				Name/Designation : _____		
c. I/We shall undertake, if our bid is accepted, to commence the Service Works as soon as is reasonably possible after the receipt of the Notice of Award or Notice to Commence, and deliver the whole of the Service/Works in the Job Order/Purchase Order within the time stated in the TOR/detailed specification.				Name of Company : _____		
				Cheque payment payable to: _____		
				Address : _____		
				Telephone/Fax/Email : _____		
				TIN No. : _____   VAT   Non- VAT		

## **TERMS OF REFERENCE**

### **Provision of One (1) Year Subscription of Digital Trunked Radio Communication System**

#### **I. Rationale**

The two-way radio has been an essential security tool since the 1930s. And in the 80 years since, public officials and officers have come to rely on portable radios for not only information from radio users and dispatchers but critical intelligence about the people they contact and the dangers they face.

Today, radio communications have already evolved from analog to digital, where radio signals now use the trunking method that provides the benefits of less user intervention to operate the radio and greater spectral efficiency with large numbers of users. Instead of assigning, for example, a radio channel to one particular organization at a time, users are instead assigned to a logical grouping, a "talkgroup". When any user in that group wishes to converse with another user in the talkgroup, a vacant radio channel is found automatically by the system and the conversation takes place on that channel. Also digital trunked radio system has wider coverage or range than conventional radio systems because it uses packet switching technology as to a computer network.

As a means of security for the high-ranking officials of NEDA while in meetings or outside of the office or as a dispatching facility in the official transport of personnel, the digital trunked radio communication system is an effective tool of communication.

#### **II. Scope of Work**

1. The procurement aims to acquire a digital trunked radio subscription service for one (1) year preferably with coverage for the whole Metro Manila and nearby municipalities within 30 calendar days from receipt of Job Order;
2. Provide free use of the following devices within the subscription period:
  - a. Twelve (12) units Handheld Radio; and
  - b. One (1) unit Base Radio
3. Delivery, supply of free usage of devices, orientation and training on the use of the devices for selected NEDA personnel shall be within 30 calendar days from receipt of Job Order.

#### **III. Approved Budget for the Contract (ABC)**

The ABC is Two Hundred Seventy Four Thousand Nine Hundred Twenty Pesos (Php274,920.00) inclusive of all applicable government taxes and charges.

#### **IV. Qualification Requirements**

Must submit together with bid/offer:

1. Certification from the National Telecommunications Commission to operate as service provider of Digital Trunked Radio Communication; and



2. Certificate of Appearance from the NEDA Information and Communication Technology Staff or Administrative Staff's General Services Division that the Service Provider has conducted ocular visit for the purpose of this procurement.

#### V. Responsibilities of the Service Provider

1. Provide free use of twelve (12) units Handheld Radio and one (1) unit Base Radio within the subscription period with the following provisions of use and minimum specifications:
  - a. Minimum specification for Handheld Radio:

TECHNICAL SPECIFICATIONS		
Frequency Range:	804-941 MHz	
Channel Capacity:	1024	
Zone Capacity:	64 (each with a maximum of 16 channels)	
Antenna:	Standard	
WEIGHT:with antenna & standard battery	355g	
LCD DISPLAY:	160 x 128 pixels, 65535 colors 1.8 inch, 4 rows	
RECEIVER UHF		
Channel Spacing:	12.5KHz/ 20KHz/ 25KHz	
Operating Voltage:	7.4V (rated)	
Frequency Stability:	±1.5ppm	
Antenna Impedance	50Ω	
Sensitivity (Digital):	0.3 μV/ BER5%	
Selectivity:	TIA-603: 60dB @ 12.5KHz/ 70dB @ 20/25KHz	
	ETSI: 60dB @ 12.5KHz/ 70dB @ 20/25KHz	
Intermodulation:	TIA-603: 70dB @ 12.5/ 20/ 25KHz	
	ETSI: 65dB @ 12.5/ 20/ 25KHz	
Spurious Response Rejection:	TIA-603: 70dB @ 12.5/ 20/ 25KHz	
	ETSI: 70dB @ 12.5/ 20/ 25KHz	
Blocking:	80dB	
	84dB	
Rated Audio Power Output:	0.5W	
Rated Audio Distortion:	< 3%	
Audio Response:	+1~-3dB	
Conducted Spurious Emission:	<-57dBm	
TRANSMITTER UHF		
RF Power Output:	Low Power:	UHF1/UHF2/UHF3: 1W
	High Power:	UHF1/UHF2/UHF3: 4W
	UHF5* High Power:	3W (806-870MHz), 2.5W (896-941MHz);
	U5* Low Power:	1W
FM Modulation:	11K0F3E @ 12.5KHz; 14K0F3E @20KHz	
	16K0F3E @ 25KHz	
4FSK Digital Modulation:	12.5KHz Data Only:	7K60FXD
	12.5KHz Data & Voice:	7K60FXW
Modulation Limiting:	±2.5KHz @ 12.5KHz; ±4.0KHz @ 20KHz; ±5.0KHz @ 25KHz	
Adjacent Channel Power:	60dB @12.5KHz; 70dB @ 20/25KHz	
Audio Response:	+1~-3dB	

Audio Distortion:	< 3%
Digital Vocoder Type:	AMBE + + or SELP
Digital Protocol:	ETSI-TS102 361-1, -2, -3
Operating Temperature:	-30°C~+60°C
Storage Temperature:	-40°C~+85°C
ESD:	IEC 61000-4-2 (level 4) ±8kV (contact) ±15kV (air)
American Military Standard:	MIL-STD-810 C/D/E/F/G
Dust & Water Intrusion:	IP54 Standard
Humidity:	Per MIL-STD-810 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard
Inclusion	Li-ion battery, antenna, charger and belt clip

b. Minimum specification for Base Radio:

TECHNICAL SPECIFICATIONS		
Frequency Range:	804-941 MHz	
Channel Capacity:	1024	
Zone Capacity:	64 (each with a maximum of 16 channels)	
WEIGHT:	Maximum 1.75Kg	
LCD DISPLAY:	220 x 176pixels, 262000 colors 2.0 inch, 4 rows	
RECEIVER UHF		
Channel Spacing:	12.5KHz/ 20KHz/ 25KHz	
Operating Voltage:	13.6V±15%	
Current Drain:	<0.6A	
	<2.0A	
Frequency Stability:	±1.5ppm	
Antenna Impedance	50Ω	
Sensitivity (Digital):	0.3 μV/ BER5%	
Selectivity:	TIA: 65dB @ 12.5KHz/ 75dB @ 20/25KHz	
	ETSI: 60dB @ 12.5KHz/ 70dB @ 20/25KHz	
Intermodulation:	TIA: 75dB @ 12.5/ 20/ 25KHz	
	ETSI: 70dB @ 12.5/ 20/ 25KHz	
Spurious Response Rejection:	TIA: 75dB @ 12.5/ 20/ 25KHz	
	ETSI: 70dB @ 12.5/ 20/ 25KHz	
Blocking:	90dB	
	84dB	
Rated Audio Power Output:	Internal(@20 ohm load)	3W
	External (@8 ohm load)	7.5W
Rated Audio Distortion:	< 3%	
Audio Response:	+1~-3dB	
Conducted Spurious Emission:	<-57dBm	
TRANSMITTER UHF		
RF Power Output:	Low Power:	UHF1/UHF2/UHF3: 5-25W
	High Power:	UHF1/UHF2/UHF3: 5-25W
FM Modulation:	11K0F3E @ 12.5KHz; 14K0F3E @20KHz	
	16K0F3E @ 25KHz	
4FSK Digital Modulation:	12.5KHz Data Only:	7K60FXD



	12.5KHz Data & Voice:	7K60FXW
Conducted/ Radiated Emission:	-36dBm<1GHz; -30dBm>1GHz	
Modulation Limiting:	±2.5KHz @ 12.5KHz; ±4.0KHz @ 20KHz; ±5.0KHz @ 25KHz	
Adjacent Channel Power:	60dB @12.5KHz; 70dB @ 20/25KHz	
Audio Response:	+1~-3dB	
Audio Distortion:	< 3%	
Digital Vocoder Type:	AMBE + + or SELP	
Digital Protocol:	ETSI-TS102 361-1, -2, -3	
Operating Temperature:	-30°C~+60°C	
Storage Temperature:	-40°C~+85°C	
ESD:	IEC 61000-4-2 (level 4) ±8kV (contact) ±15kV (air)	
American Military Standard:	MIL-STD-810 C/D/E/F/G	
Dust & Water Intrusion:	IP54 Standard	
Humidity:	Per MIL-STD-810 C/D/E/F/G Standard	
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard	

2. Provide a Certificate of Registration from the NTC for each unit upon delivery;
3. Conduct free training for at least 12 NEDA personnel on the proper use, operation and basic maintenance of the radios;
4. The service provider shall render support services to NEDA as follows:
  - a. Render technical support through phone calls or email within regular working hours from Monday to Friday, 8:00 A.M. to 5:00 P.M.;
  - b. Provide free programming services for the radios, as necessary.
  - c. Provide radio service units or components in the event that the devices are found defective not due to mishandling or negligence of the user.
5. Inclusions:
  - a. Installation of the base unit antenna from the rooftop to the ICTS and configuration of the above devices; and
  - b. Provide base unit antenna, cables, power supply, labor and materials for the installation.

#### VI. Responsibilities of NEDA

1. NEDA shall grant access to any authorized representative/s of the service provider to NEDA premises to perform its obligations as accompanied by ICTS personnel.
2. NEDA may reject any unit or any part thereof that fails to pass any test and/or inspection or does not conform to the specifications.

3. In the event that the equipment malfunctions, NEDA shall report the problem to the supplier for appropriate action/repair.
4. Issue a Certificate of Appearance to the bidder who conducted site inspection/survey.
5. In case of loss of unit or damage due to mishandling or negligence resulting to beyond economical repair during the subscription period, the NEDA personnel liable will pay the corresponding amount of the radio unit.
6. Pay the contractor in accordance with section VII of this TOR.

#### **VII. Payment Scheme**

Monthly payment for one (1) year shall be paid after the issuance of the following:

- a. Billing Statement by the Service Provider; and
- b. Certificate of Satisfactory Service issued by NEDA.

#### **VIII. Liquidated Damages**

Failure to comply with the Terms and Conditions of the contract will result in the payment of corresponding penalties/liquidated damages in the amount equal to 1/10 of 1 percent of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches 10 percent of the amount of the contract, NEDA shall rescind the contract, without prejudice to other courses of action and remedies open to it.

#### **IX. Dispute Resolution**

1. In the matter of dispute, should any dispute related to the Contract and/or rights of the parties arise, the same shall be submitted to mutual consultation, mediation, and arbitration, in the order of application. The venue of the proceedings shall be in Pasig City.

In case of a court suit, the venue shall be the courts of competent jurisdiction in Pasig City, to the exclusion of all other courts; and

2. Any amendment or additional terms and conditions to the Contract must be in writing, signed and acknowledged by the Parties.

*Conforme:*

  
  
  

---

Signature over Printed Name/Designation