



SUPPLEMENTAL / BID BULLETIN NO. 1
20 September 2021

PUBLIC BIDDING NO. 2021-09-01

Procurement of One (1) Lot Supply, Delivery, Installation, Testing, Integration and Commissioning of the National Telecommunications Commission (NTC) National Emergency Communications Resiliency

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184, and pursuant applicable provisions to clarify and/or amend certain provisions in the Bidding Documents issued on 02 September 2021.

No.	QUERIES/ ISSUES	CLARIFICATIONS/MODIFICATIONS/ AMENDMENTS
1	Request to amend ITB Clause 20.2 of the BDS, "Similar Contracts" to "Emergency Communications system/network to any radio communication system, completed within the last five (5) years prior to the deadline for the submission and receipt of bid.	ITB Clause 5.3 of BDS is amended to read as: "Emergency Communication Network/System or any project similar to radio communication system/network with similar functionality features of a resilient, reliable and interoperable emergency radio communications network/system, completed within the last five (5) years prior to the deadline for the submission and receipt of bid."
2	Request to amend ITB Clause 20.2 of Bid Data Sheet, item 6 , "Manufacturer's Certificate stating that the Supplier are duly certified and authorized distributor or dealer in the Philippines of the manufacturer of radio equipment being offered".	No Change. The requirement of Manufacturer's Certificate stating that the Supplier are duly certified and authorized distributor or dealer of the manufacturer in the Philippines, is to ensure the winning bidder/supplier is compliant with the relevant Government rules and regulations.
3	Clarification on ITB Clause 20.2 of Bid Data Sheet, item 10 . Copy of Import Permit/Certificate, as may be applicable, for any of the components of this project. Request for clarification on importation through an import broker, whether or not the Import	The Import Permit shall be issued by the NTC to the winning bidder being the consignee of the equipment subject to importation, as may be applicable These are to be submitted during implementation phase.

	Permit/Certificate from the import broker will suffice.	
4	Request to amend Section VII. Technical Specifications, Item E.21 to “Manufacturer’s Certificate stating that the Supplier are duly certified and authorized distributor or dealer in the Philippines of the manufacturer of radio equipment being offered”.	No Change. The requirement of Manufacturer’s Certificate stating that the Supplier are duly certified and authorized distributor or dealer of the manufacturer in the Philippines, is to ensure the winning bidder/supplier is compliant with the relevant Government rules and regulations.
5	Request to amend Section VII. Technical Specifications, Item E.21.b to “The Manufacturer of DMR radio must be at least 10 years present in the Philippine Market and must have its own office and representatives in the Philippines”.	Item E.21.b Additional Conditions, Section VII. is amended to read as: “The Manufacturer of radio must be at least 20 years present in the Philippine Market and must have its own office and representatives in the Philippines.” The requirement of the number of years (20 years) is subject to the end user specs. This is to ensure the winning supplier will have the technical and financial capacity to provide and finish the project in compliance with the TOR and technical specifications.
6	Request to amend E.21.c, Section VII to “The Supplier must have a valid and current NTC Radio Dealers Permit. The Supplier shall submit certification from Manufacturer of their accredited service center in the Philippines”.	No Change. This again is to ensure compliance to the NTC rules and regulations of the radio dealers and service/ repair centers. Also, to ensure credibility of the manufacturer to facilitate/handle process of repair nationwide; and availability of after sales services.
7	Request to amend E.21.f, Section VII to “The Supplier must submit a certification from the manufacturer that their proposed Digital Mobile Radio (DMR) is fully compliant with DMR Associations specifications and can be able to adapt and inter-operate with the existing NTC’s analog radios”	No Change. This particular project is very comprehensive, it is imperative that the end-user should ensure that every component of this project is safeguarded, as well as the Procuring Entity is protected.
8	Clarification on Section VII. Technical Specifications, Item G. Documentation and Manuals, whether or not the items specified will be submitted during project implementation.	Documentations and Manuals shall be submitted by the winning bidder before project implementation. Only brochures and other technical references shall be submitted during bid submission to prove compliance of the offered product or system.

9	Request to amend the deadline of submission of Bids is on September 27, 2021 3:00PM, “Procuring Entity to provide an additional one-week extension for submission of bids.”	No change. Deadline for bid submission is on September 27, 2021 at 3:00 P.M. PST
10	Request for clarification whether it is required to use the 1000 channels for the portable radios.	The minimum number of channels is 1000 and it is within the option of the end-user on how to utilize them.
11	Request for clarification on whether supplier can offer unmanned aerial vehicle with higher specs but may have different dimension.	Yes, the ITB only provides the minimum specifications. The supplier can always offer a better version, however, it must be compliant with the given dimensions.
12	Request for clarification whether it is required to indicate the project title and reference in the manufacturer’s certificate.	Not Required.
13	Request for clarification on the submission of additional documents during post-qualification.	Yes. Additional documents are to be submitted during post qualification.
14	Request to amend some of the published technical specifications in the bidding documents (Items 15-25):	The project is about the supply, delivery, installation, testing, integration, and commissioning of NeCR, not a consultation for a network design. The purpose of having such specification is to integrate the existing communications network of the National Telecommunications Commission nationwide. In other words, there are existing old yet operational communications systems at NTC. However, the supplier may always have an option to provide a better or upgraded version subject to “compatibility” with the existing communications facilities of NTC.
15	Request to amend in Section VII. Technical Specifications, Item D.1.1 Digital Two-way Emergency System	
15.1	1.1 Connectivity Tx (N female) Rx (BNC female)	No Change.
15.2	USB A receptacle	No Change.
15.3	2 Ethernet ports	No Change.
16	Request to amend in Section VII. Technical Specifications, Item D.1.2 IP link System	
16.1	RF Bands: RF Bands: Wide-band operation 4.9 to 6.05 GHz or better	No Change.
16.2	Channel Sizes: 5, 10, 15, 20, 30, 40, and 45 MHz channels	No Change.
16.3	Spectral Efficiency: 10 bps/Hz maximum	No Change

16.4	Maximum Transmit Power: Up to 27 dBm or better	No Change.
17	Request to amend in Section VII. Technical Specifications, Item D.1.3 Combiner	
17.1	Input power: 100W	No Change.
17.2	Tx-TX isolation:80dB	No Change.
17.3	System gain: 0-18dB	No Change.
17.4	Noise Figure:2.5dB	No Change.
17.5	Temperature range: -40 to +60°C	No Change.
17.6	Isolation Tx to Rx: 75dB	No Change.
18	Request to amend in Section VII. Technical Specifications, Item D.1.4 Digital Mobile	
18.1	Power Output: 1-40W	No Change.
18.2	Rated Audio: 3 W (internal), optional 7.5 W (External - 8 ohms), optional 13 W (External - 4 ohms)	No Change.
18.3	Bluetooth Version 4.0	No Change. Bluetooth should be part of radio and from same manufacturer.
18.4	Digital Sensitivity: 0.16uV	No Change. The system is to be used for Emergency purpose and best receive sensitivity is required to avoid any cutting of speech and signal. We have decided for minimal optimum sensitivity.
18.5	IMPRES Audio	To be amended to read as “Audio Technology that can provide clear reception whether someone speaks while whispering or speaks in very high pitch, voice should be delivered to the receiver at fixed level.”
18.6	Optional Wifi capable for firmware upgrade	No Change. WiFi firmware upgrade is required to be able to upgrade the radios with the new firmware and programming in case the radios cannot be brought to the workshop, especially when users are on field. Meanwhile, programming and upgrade will be much faster with high data speed.

19	Request to amend in Section VII. Technical Specifications, Item D.1.5 Digital Handheld Radio	
19.1	Power Supply: At least 7.5 V (Nominal)	To be amended to read as “Power Supply : ≥ 7.4 V”
19.2	Analogue Sensitivity: 0.16 uV Typical	No Change.
19.3	Digital Sensitivity: 0.14 uV typical	The system is to be used for Emergency purpose and best receive sensitivity is required to avoid any cutting of speech and signal. We have decided for minimal optimum sensitivity.
19.4	Wifi Capable for firmware upgrade	No Change. WiFi firmware upgrade is required to be able to upgrade the radios with the new firmware and programming in case the radios cannot be brought to the workshop, especially when users are on field. Meanwhile, programming and upgrade will be much faster with high data speed.
19.5	IMPRES Audio	To be amended to read as “Audio technology that can provide clear reception whether someone speaks while whispering or speaks in very high pitch, voice should be delivered to the receiver at fixed level.”
19.6	Request to add other capabilities in order to have more handheld communication options during emergency situations. <ul style="list-style-type: none"> • “Direct mode full duplex communication.” • “Single frequency Repeater that can enhance the coverage using the handheld radio.” • “Local voice recording via SD card.” 	No Change. The system will be used for Emergency Group communication, we do not wish to engage/block one channel in One to One Duplex call. Single frequency Repeater not required. Recording facility is always considered centrally in secured & controlled environment and not on individual radios to avoid misuse.
20	Request to amend in Section VII. Technical Specifications, Item D.1.6 Push-to-talk Over Cellular (POC) radio with Dispatch	
20.1	Waterproofing: IP54	1.6 Push-to-talk Over Cellular (POC) radio with Dispatch Waterproofing is amended to read as: “Waterproofing: IP54 or better”.
20.2	Three programmable keys	No Change. We require more programmable keys for a faster engagement to various functions.

20.3	Stun, Kill, Revive, Lone Worker, Emergency Alarm, Log, Authentication and Encryption.	No Change.
20.4	Battery: 3.8V 3000mAh	Item is amended to read as, “Battery: 3.8V 3000mAh or better”
20.5	POC Terminal License and Network Connectivity for 5 years. Clarification on the SIM card monthly data subscription for each terminal.	Connectivity shall be sufficient to provide unlimited use.
20.6	Request to add the following: <ul style="list-style-type: none"> • Full keypad & colored screen for faster information sharing during emergency situation. • Capable for both voice and video communication for efficient field response. • POC dispatch video pulling capability for more efficient situational awareness and response. 	No Change. The Supplier may always have an option to provide a better or upgraded version subject to “compatibility” with the existing communications facilities of NTC and to the design of this project.
21	Request to amend/clarify in Section VII. Technical Specifications, Item D.2.1 Communication Interoperability	
21.1	HF radio interface shall be capable of blocking noise.	The gateway shall be capable to block the continuous noise (hissing sound) coming from HF radio when it is connected to the interoperability gateway.
21.2	Five (5) radio ports for different types and models of radios and one (1) port for telephone devices (Cellular phone and Landline Phone)	No Change.
21.3	Accessories Handset PTT per unit	No Change.
22	Request to amend Section VII. Technical Specifications, Item D.3.1 Unified Dispatch and Multi-Protocol Interoperability Platform	
	For the unified communication platform, may we request that we can use the similar solution that can deliver the same functionality which is to allow both open and proprietary protocols from different standards and manufacturers to interoperate on the consoles, endpoints and other needed instances over a LAN or WAN.	No Change. The supplier may always have an option to provide a better or upgraded version subject to “compatibility” with the existing communications facilities of NTC.

	Similar to the preferred system, it can accommodate 5 consoles (with 1 headset and 2 speakers) and 8 endpoints/ trunking base stations. It can be expanded to accommodate 200 dispatch consoles and up to 2000 endpoints/base stations.	The system/ specifications reflected in the bidding documents was based on the end-user's approved proposal.
23	Request to amend Section VII. Technical Specifications, Item D. 4.1.2 UAV Mounted With Portable Aerial Repeater	
23.1	Aerial Portable Repeater Multi Analog Signaling	No Change. System shall be able to accommodate existing analog radios.
23.2	Roaming	No Change.
23.4	Channel Capacity 24	No Change.
	Request to add the following capability of repeater: <ul style="list-style-type: none"> • Can automatically establish mesh links up to 31 hops to be rapidly deployed and • Can immediately establish wide coverage. 	No Change. The Supplier may always have an option to provide a better or upgraded version subject to "compatibility" with the existing communications facilities of NTC and to the design of this project.
23.5	Clarification on the Impres audio parameter.	To be amended to read as "Audio technology that can provide clear reception whether someone speaks while whispering or speaks in very high pitch, voice should be delivered to the receiver at fixed level."
24	Request for clarification on Section VII. Technical Specifications, Item D.5. Command Center System Software	
24.1	Late Entry:	Late Entry is a feature which enables user who is just put on the set or came to the group. They will be immediately become part of the conversation. Generally if any user switch on radio he or she misses on going call. With late entry, they instantly become part of communication.
24.2	Radio Management such as repeater diagnostics, read enable/disable status, read analog/digital status, read transmit power status, read available channels:	Radio management features mentioned here enables to initiate all of the features mentioned here except Repeater diagnostic which is RDAC feature.
24.3	Repeater alarm reporting	

24.4	Repeater control	
24.5	IP remote repeater programming:	It is required to be controlled from same terminal which is used for Command and control.
25	Radio interface must be compatible to existing interoperability gateways of NTC.	The existing gateway uses VOX with PTT, Audio In, and Audio Out connection.

The herein clarifications form an integral part of the bidding documents. Correspondingly, all other provisions in the bidding documents affected by these clarifications are similarly amended or modified.


ATTY. ELLA BLANCA B. LOPEZ

Chairperson – Bids and Awards Committee (BAC) 2
National Telecommunications Commission

   