



Embassy of the Republic of the Philippines  
Pasuguan ng Pilipinas  
Seoul

## **REQUEST FOR QUOTATION**

The Philippine Embassy in Seoul, Republic of Korea, is inviting companies to submit quotations for its procurement of a contract for the supply, delivery, and installation of a conference microphone system for official use by the Embassy, in accordance with the “Guidelines for the Procurement of Goods and Services, Infrastructure Projects and Consulting Services to be Procured and Performed Overseas,” as approved by the Government Procurement Policy Board (GPPB) in its Resolution No. 28-2017 dated 31 July 2017.

The terms of reference of the project are listed in **Annex A**. In addition to the quotation, interested suppliers should also submit a brochure or website page containing the technical specifications of the proposed wireless conference microphone system. Incomplete submissions (*quotation without brochure/website page or vice versa*) shall be ineligible.

The last day to submit quotations is Sunday, 14 December 2024, at 5:00 p.m. Interested suppliers may send their duly signed proposals to [seoulpe@philembassy-seoul.com](mailto:seoulpe@philembassy-seoul.com) and pay attention to **Ms. Anna Gabriella E. Guinto**.

For further inquiries, please contact the Philippine Embassy at (02)788-2100/2101 ext. 142 for English or ext. 141 for Hangul.

The Embassy of the Philippines  
Seoul, Republic of South Korea

08 December 2024

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# SUPPLY, DELIVERY, AND INSTALLATION OF A WIRELESS CONFERENCE MICROPHONE SYSTEM

## Terms of Reference

The Philippine Embassy intends to procure a new conference microphone system for its board room, which can also be used for the temporary conference room set-up at the Sentro Rizal Hall.

### ***I. Scope of Work***

The Company shall supply, deliver, and install a conference microphone system in the Embassy's board room based on the technical specifications provided by the Embassy.

### ***II. Technical Specifications***

<u>Main Controller Unit</u>	
<ul style="list-style-type: none"> <li>• 2.4GHz Band Digital Method</li> <li>• 4 Conference mode support (OPEN, OVERRIDE, PTT, VOX)</li> <li>• At least six (6) simultaneous speeches, maximum ten (10) speech waiting</li> <li>• Microphone/Speaker Self-EQ adjustment feature</li> <li>• Speech Time Control for various speakers</li> <li>• Stand Unit built-in Speaker On/Off Control feature</li> <li>• Audio input, Output signal Control feature</li> <li>• Built-in headphone terminal</li> <li>• Frequency band setting available</li> <li>• Real-time control and voting features available with software</li> </ul>	
Frequency Band	2.4GHz ISM Band
Frequency Modulation	GFSK
Data Speed	1Mbps
RF Output	10mW
Impedance	50 Ω
Sampling rate	24kHz Mono
Audio output level	-15dB - +5dB
Audio output terminal	XLR (600 Ω, Balanced)
Input Voltage	AC 220V
Size (W x H x D)	484 x 45 x 205mm (+/- 10mm)
Weight	1.49kg (+/- 500 g)

<u>Wireless Chairman Microphone Unit</u>
<ul style="list-style-type: none"> <li>• Maximum six simultaneous speeches, ten speech waiting available</li> <li>• Stand-alone mode feature without controller synchronization</li> <li>• Individual Unit Microphone Level Adjusting feature/Over-input Prevention</li> <li>• Conference with speech priority right</li> <li>• Control delegate units with buttons</li> <li>• Status display with LCD</li> <li>• Built-in speaker</li> </ul>

<ul style="list-style-type: none"> <li>• Maximum ten units with controller synchronization</li> <li>• Working time: at least twenty-four (24) hours during speech mode, at least forty-eight (48) hours during standby mode</li> </ul>	
Frequency band	2.4 GHz ISM Band
Frequency Modulation	GFSK
Data Speed	1Mbps
RF Impedance	50 $\Omega$
Sampling Rate	24KHz Mono
Built-in speaker output	0.5W
Color	Dark, neutral color
Input Voltage	DC 3.7 (WBP-240G)
Working Time	At least twenty-four (24) hours during speech mode, at least forty-eight (48) hours during standby mode
Size (WxHxD)	235 x 60 x 138 mm (+/- 10mm)
Weight	612g (+/- 50g)

#### Wireless Delegate Microphone Unit

- Maximum six simultaneous speeches, ten speech waiting available
- Individual unit microphone level adjusting feature / over-input prevention
- Conference with a speech button
- Status display with LCD
- Built-in speaker
- 245 units with controller synchronization
- Working time: at least twenty-four (24) hours during speech mode, at least forty-eight (48) hours during standby mode

Frequency band	2.4 GHz ISM Band
Frequency Modulation	GFSK
Data Speed	1Mbps
RF Impedance	50 $\Omega$
Sampling Rate	24KHz Mono
Built-in speaker output	0.5W
Color	Dark, neutral color
Input Voltage	DC 3.7 (WBP-240G)
Working Time	At least twenty-four (24) hours during speech mode, at least forty-eight (48) hours during standby mode
Size (WxHxD)	235 x 60 x 138 mm (+/- 10mm)
Weight	612g (+/- 50g)

#### Gooseneck Microphone

- Stand unit detachable microphone
- High-quality sound embodiment with the condenser unit used
- LED Lamp

Microphone Type	Condenser
Microphone Pattern	Unidirectional
Sensitivity	-45dB (+/- 3dB) (1KHz, 0db=1V/Pa)
Built-in Audio Output	120dB SPL (+/- 3dB)

Frequency Response	50Hz-20kHz
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<u>Battery Charger</u>	
<ul style="list-style-type: none"> <li>• Table type recharger</li> <li>• Maximum eight (8) simultaneous recharge</li> </ul>	
Maximum number of devices for recharge	Eight (8)
Voltage use	DC 5V, 5A (adapter)

<u>Battery Pack</u>	
<ul style="list-style-type: none"> <li>• Lithium polymer detachable battery pack</li> </ul>	
Battery type	Lithium Polymer
Standard Capacity	2,700mA
Internal resistance	</- 200m $\Omega$
Standard voltage	DC 3.65V
Usage time	While in use: At least twenty-four (24) hours While in standby mode: At least forty-eight (48) hours

<u>Antenna</u>	
<ul style="list-style-type: none"> <li>• Omni-directional antenna</li> <li>• BNC connector used</li> </ul>	
Frequency band	2,400MHz - 2,500MHz
Direction	Omni-directional
Gain	2dBi
Impedance	50 $\Omega$
Polarization	Vertical
Connection type	BNC type

<u>Antenna Extension Cable</u>	
<ul style="list-style-type: none"> <li>• True 50 <math>\Omega</math> Coaxial cable L-5DFB and BNC connector used</li> <li>• Dedicated antenna cable for 2.4GHz band wireless conference and interpretation devices</li> <li>• Anti-oxidation, corrosion resistance, and abrasion resistance enhanced by tin-plated annealed copper wire</li> </ul>	
Internal Conductor	2.55mm <sup>2</sup>
Cross-section (AWG) conductor	13AWG/1 core / 1.80A mm
Insulator outside diameter	5mm
Internal conductor diameter	1.88mm
Resistance	Inside 0.7 $\Omega$ / Outside 1.1 $\Omega$
Characteristic Impedance	50 $\Omega$
Attenuation	2.5dB / 100m(10MHz)
Diameter	7.6mm (+/- 1)
Connector	BNC
Length	20 meters (+/- 4 meters)

Should include sound equipment set appropriate for the specifications and proposed wireless conference microphone system unit.

### **III. Deliverables**

The Supplier shall deliver the following to the Embassy:

<b>No.</b>	<b>Item</b>	<b>Quantity</b>
1	Main Controller Unit	One (1)
2	Wireless Chairman Microphone Unit	One (1)
3	Wireless Delegate Microphone Unit	Thirteen (13)
4	Gooseneck Microphone	Fourteen (14)
5	Battery Charger	Two (2)
6	Battery Pack	Twenty-Eight (28)
7	Antenna	One (1)
8	Antenna Extension Cable	One (1)

### **IV. Submissions**

In addition to the quotation, interested suppliers should also submit a brochure or website page containing the technical specifications of the proposed wireless microphone system.

### **V. Delivery Schedule**

1. The conference microphone system must be delivered and installed on or before 31 December 2024
2. Deliveries should be made within office hours and on regular working days on or before the stipulated date in the contract unless otherwise specified for a valid reason why the same cannot be complied with.

### **VI. Approved Budget for the Contract**

The Approved Budget of the Contract (ABC) is **Forty-One Million Two Hundred Thousand Korean Won** (KRW 41,200,000), inclusive of VAT, installation (labor and materials), and other applicable fees.

### **VII. Warranty**

1. The conference microphone system should come with at least one (1) year warranty on all components.
2. During the warranty period, the Supplier shall provide technical personnel free of charge to service the system and all its components/peripherals whenever hardware and related problems should occur.

### **VIII. Terms of Payment**

Payment shall be made through bank transfer within seven (7) working days upon complete delivery of the conference microphone system.