

**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

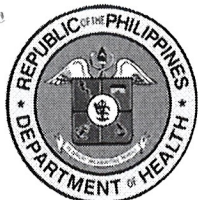
**SUPPLEMENTAL/ BID BULLETIN NO. 1**

**IB 2022 – 090**

**PROCUREMENT OF VARIOUS IT EQUIPMENTS (LOT BIDDING)**

This Supplemental/Bid Bulletin No. 1 is being issued to revise provisions/specifications in the Bidding Documents for a forecited project:

|   |
|---|
| <b>Revision and clarification to provisions/specifications in the Bidding Documents:</b>  |
| <b>ITEM NO. 1: PROCUREMENT OF 2 UNITS PTZ CAMERA</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong                    |
| <b>ITEM NO. 2: PROCUREMENT OF 1 UNIT CAMERA CONTROLLER</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong              |
| <b>ITEM NO. 3: PROCUREMENT OF 2 UNITS SDI/HDMI WIRELESS TRANSMITTER</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong |
| <b>ITEM NO. 4: PROCUREMENT OF 2UNITS HDMI CAT5 EXTENDER</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong             |
| <b>ITEM NO. 5: PROCUREMENT OF 1 UNIT HDMI VIDEO SWITCHER</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong            |
| <b>ITEM NO. 6: PROCUREMENT OF 1 UNIT 5G ROUTER</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong                      |



## METRO MANILA CENTER FOR HEALTH DEVELOPMENT

### ITEM NO. 7: PROCUREMENT OF 1 UNIT TRIPOD SYSTEM

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 8: PROCUREMENT OF 2 UNITS MONITOR

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 9: PROCUREMENT OF 2 UNITS PROJECTOR

Brand: Branded  
Brand new  
Service Center must be available within 5 kilometers from Mandaluyong  
Warranty Coverage 12 months upon delivery  
Power: Autovolt  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 10: PROCUREMENT OF 1 UNIT AUDIO MIXER

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 11: PROCUREMENT OF 2 UNITS SPEAKERS

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 12: PROCUREMENT OF 2 UNITS SUBWOOFER

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery  
Delivery Period: 45 calendar days  
Place of Delivery: MMCHD Mandaluyong

### ITEM NO. 13: PROCUREMENT OF AUDIO MIXER EQUIPMENT RACK

Brand: Branded  
Brand new  
Warranty Coverage: 12 months upon delivery



**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

| Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong   |   |
|---|---|
| <b>ITEM NO. 14: PROCUREMENT OF 1 UNIT INTERCONNECTING CABLES FOR AV SYSTEM</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong  |   |
| <b>ITEM NO. 15: PROCUREMENT OF 2 UNITS ANDROID TV</b><br><br>Add:<br>Standard Wall Mounted Bracket<br>Power: Autovolt<br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong                           |   |
| <b>ITEM NO. 16: PROCUREMENT OF 1 UNIT PORTABLE PUBLIC ADDRESS (PA) SYSTEM</b><br><br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong   |   |
| <b>ITEM NO. 17: PROCUREMENT OF 4 UNITS WIRELESS MICROPHONE SYSTEM</b><br><br>Two microphone per system<br>Microphone Guard per microphone<br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 to 60 calendar days<br>Place of Delivery: MMCHD Mandaluyong |   |
| FROM  | TO  |
| <b>ITEM NO. 1: PROCUREMENT OF 2 UNITS CAMERA</b><br>-Effective Pixels (approx.): 8.4Mega Pixels<br>-S/N Ratio: >55dB<br>-Electronic Shutter: 1/30s ~ 1/1000s<br>-Panning/Tilting Range: Pan: 300° ; Tilt: ±130° to -15°<br>-Audio Output: 3.5mm x1  | <b>ITEM NO. 1: PROCUREMENT OF 2 UNITS PTZ CAMERA</b><br>-Effective Pixels (approx.): 8.42Mega Pixels<br>-S/N Ratio: ≥55dB<br>-Electronic Shutter: 1/30s ~ 1/10000s<br>-Panning/Tilting Range: Pan: 300° ; Tilt: +130° to -15°<br>-Audio Input: 3.5mm x1 |





**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

|  |   |
|--|---|
| <b>ITEM NO. 3: PROCUREMENT OF 2 UNITS SDI/HDMI WIRELESS TRANSMITTER</b><br>Bandwith: 20MHz   | <b>ITEM NO. 3: PROCUREMENT OF 2 UNITS SDI/HDMI WIRELESS TRANSMITTER</b><br>Bandwidth: 20MHz   |
| <b>ITEM NO. 6: PROCUREMENT OF 1 UNIT 5G ROUTER</b><br>LTE: B1/3/5/7/20/28/32/34/38/39/40 (2300-2390 MHZ) /41/42/43   | <b>ITEM NO. 6: PROCUREMENT OF 1 UNIT 5G ROUTER</b><br>LTE: B1/3/5/7/8/20/28/32/34/38/39/40 (2300-2390 MHZ) /41/42/43  |
| <b>ITEM NO. 9: PROCUREMENT OF 2 UNITS PROJECTOR</b><br>Lase / Lamp, Projectors Facets: Lamp  | <b>ITEM NO. 9: PROCUREMENT OF 2 UNITS PROJECTOR</b><br>Laser / Lamp, Projectors Facets: Lamp  |
| <b>ITEM NO. 11: PROCUREMENT OF 2 UNITS SPEAKERS</b><br>Tranducers  | <b>ITEM NO. 11: PROCUREMENT OF 2 UNITS SPEAKERS</b><br>Transducers  |
| <b>ITEM NO. 15: PROCUREMENT OF 2 UNITS ANDROID TV</b><br>Digital Boardcasting: Yes, DVB-T2   | <b>ITEM NO. 15: PROCUREMENT OF 2 UNITS ANDROID TV</b><br>Digital Broadcasting: Yes, DVB-T2  |
| <b>ITEM NO. 16: PROCUREMENT OF 1 UNIT PORTABLE PA SYSTEM</b><br>-Channels 1-4 XLR ¼" jack combo connectors<br>5-6: one pair of ¼ balanced TRS jack (stereo),<br>and one pair of RCA jacks (stereo) 7-8: one pair<br>of ¼" balanced TRS jacks (stereo), and a 3.5mm<br>stereo jack. | <b>ITEM NO. 16: PROCUREMENT OF 1 UNIT PORTABLE PUBLIC ADDRESS (PA) SYSTEM</b><br>-Channels 1-4 XLR ¼" jack combo connectors<br>5-6: one pair of ¼ balanced TRS jack (stereo),<br>and one pair of RCA jacks (stereo) 7-8: one pair<br>of ¼" balanced TRS jacks (stereo), and a 3.5mm<br>stereo jack. |

Bidders are advised to use the following attached forms and submit together with all required documents for the submission of bids on 13<sup>th</sup> day of December 2022, 9:00 AM:

This Supplemental/Bid Bulletin No. 1 shall form an integral part of the Bidding Documents. All other provisions indicated in the bidding documents which are not affected by this Supplemental/Bid Bulletin No. 1 shall remain in effect.

For guidance and information of all concerned.

Issued this 6<sup>th</sup> day of December 2022 in MMCHD

Approved by:

  
**ALELI ANNIE GRACE P. SUDIACAL, MD, MPH**  
Director III / BAC Chairperson





Republic of the Philippines  
Department of Health  
**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

**Republic of the Philippines**

**Department of Health**

**Metro Manila Center for Health Development**

**TECHNICAL SPECIFICATIONS**

|   |  |           |                         |
|---|--|-----------|-------------------------|
| Item No. 1  | <b>Procurement of 2 units PTZ Camera</b> | Qty./Unit | <b>2 UNITS</b>          |
| Name of Manufacturer:   |  |           | Country of Origin       |
| Brand:  |  |           | Model: (if applicable)  |
| ABC: <b>496,000.00</b>  |  |           |                         |
| PURCHASER'S SPECIFICATION   |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br>Procurement of 2 units PTZ Camera<br>-Video format/Resolution<br>HDMI: 2160p; 1080p; 1080i; 720p<br>SDI: 1080p; 1080i; 720p<br>-Image Sensor: 1/1.8" CMOS<br>-Effective Pixels (approx.): 8.42Mega Pixels<br>-S/N Ratio: $\geq 55$ dB<br>-Min. Illumination: 0.5 Lux @ (F1.8, AGC ON)<br>-Electronic Shutter: 1/30s ~ 1/10000s<br>-Zoom Ratio: 20x Optical, 16x Digital Zoom<br>-Gamma Color: Off/Normal<br>-Iris Control: Auto/Manual<br>-Digital Noise Reductions: 2D/3D<br>-On-Screen Display (OSD): English/Simplified Chinese/Traditional Chinese<br>-White Balance: Auto, Indoor, Outdoor, OnePush, Manual, VAR<br>-AGC/Gain Control: Yes<br>-Mirror/Flip Image: Yes<br>-Focus Mode: Auto/Manual<br>-Panning/Tilting Range: Pan: 300° ; Tilt: +130° to -15° |  |           |                         |



-Panning/Tilting Speed: Pan: 0.876°/s~43°/s; Tilt: 0693°/s~21.32°/s

-Preset: 255

-Focal Length: 20x, f=6.7mm~125mm, F1.58~F3.95

-Field of View (Horizontal, Wide): 60°

-Image Compensation: Back light compensation

-Video Output: HDMI 2.0x1; 3G-SDI x1; 10/100/1000M RJ45 x1

-Audio Input: 3.5mm x1

-Tally LED: Yes

-Lens Filter: N/A

-Control Protocol: Pelco-D, Pelco-P, VISCA, VISCA over IP, DHCP, RTSP, RTMP (IP Cam), RTMPS, DVIP

-Remote Control Interface: IR, Web UI, RS-422, DVIP

-Video Compression Format: H.264/H.265/MJPEG

-Audio Compression Format: AAC

-Audio Bitrate: 96Kbps, 128Kpbs, 256Kbps

-Streaming Protocols: TCP/IP, HTTP, RTSP, RTMP(S), SRT, ONVIF, DHCP, Multicast

-Video Bitrate: 32Kbps~50Mbps (Single Stream)

-Video Bitrate Mode: VBR, CBR

-Encoding Frame rate: 50Hz: 1-50fps; 60Hz: 1-60fps

-POE: IEEE 802.3at

-F/W Update: Via Web UI or USB 2.0

-IR Control: Yes

-With: IR Remote control, DC 12V Power Adaptor, ceiling mount bracket

Brand: Branded

Brand new

Warranty Coverage: 12 months upon delivery

Delivery Period: 45 calendar days

Place of Delivery: MMCHD Mandaluyong

**Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:**



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.

## Republic of the Philippines

## Department of Health

## Metro Manila Center for Health Development

### TECHNICAL SPECIFICATIONS

|            |  |           |               |
|------------|--|-----------|---------------|
| Item No. 2 | <b>Procurement of 1 unit Camera Controller</b> | Qty./Unit | <b>1 UNIT</b> |
|------------|--|-----------|---------------|

|                       |                   |
|-----------------------|-------------------|
| Name of Manufacturer: | Country of Origin |
|-----------------------|-------------------|

|        |                        |
|--------|------------------------|
| Brand: | Model: (if applicable) |
|--------|------------------------|

|                        |  |
|------------------------|--|
| ABC: <b>113,000.00</b> |  |
|------------------------|--|

|                           |                         |
|---------------------------|-------------------------|
| PURCHASER'S SPECIFICATION | STATEMENT OF COMPLIANCE |
|---------------------------|-------------------------|

|  |  |
|--|--|
| <b>Technical Specifications:</b><br><br>-Maximum Camera Control: 4<br>-Present (Position): 4 for each camera<br>-Control Protocol: Sony VISCA<br>-Connection to Cameras: Point to point<br>-Input/Output: RS-422 (RJ-45 Connector) x 4<br>-Build-in Control Panel: Monochrome display<br>-Firmware Upgrade: Via USB<br>-Power: DC 12V 1A<br>-With 1 x USB Type A to Type A Cable<br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days |  |
|--|--|





# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|   |  |
|---|--|
| Place of Delivery: MMCHD Mandaluyong  |  |
| <b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b><br><br>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery. |  |

|  |   |                         |                |
|--|---|-------------------------|----------------|
| <b>Republic of the Philippines</b><br><b>Department of Health</b><br><b>Metro Manila Center for Health Development</b><br><br><b>TECHNICAL SPECIFICATIONS</b>  |   |                         |                |
| Item No. 3   | <b>Procurement of 2 units SDI/HDMI Wireless Transmitter</b> | Qty./Unit               | <b>2 UNITS</b> |
| Name of Manufacturer:  |   | Country of Origin       |                |
| Brand:   |   | Model: (if applicable)  |                |
| ABC: <b>140,000.00</b>   |   |                         |                |
| PURCHASER'S SPECIFICATION  |   | STATEMENT OF COMPLIANCE |                |
| <b>Technical Specifications:</b><br><br>-Range: 1000ft<br>-Package: 1TX X 1 RX<br>-Latency: .04s<br>-Frequency: 5GHz<br>-Code Rate: 12Mbps<br>-Live Streaming: Embedded UVC<br>-Auto Frequency Hopping: Yes<br>-Channel Scan: Yes (Rx) |   |                         |                |



## METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|  |  |
|--|--|
| <p>Transmitter</p> <ul style="list-style-type: none"> <li>-Interface: Antenna interface, HDMI Input (Type A Female), SDI Input, SDI Loopout, DC Input, USB-C</li> <li>-Transmission Latency: As low as 40ms</li> <li>-Bandwidth: 20MHz</li> </ul> <p>Receiver</p> <ul style="list-style-type: none"> <li>-Interface: Antenna interface, HDMI Input (Type A Female), SDI Output, DC Input, USB-C</li> <li>-Transmission Latency: As low as 40ms</li> <li>-Bandwidth: 20MHz</li> </ul> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>   |  |



Republic of the Philippines  
Department of Health  
**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

|  |   |           |                         |
|--|---|-----------|-------------------------|
| <b>Republic of the Philippines</b><br><b>Department of Health</b><br><b>Metro Manila Center for Health Development</b>   |   |           |                         |
| <b>TECHNICAL SPECIFICATIONS</b>  |   |           |                         |
| Item No. 4   | <b>Procurement of 2units HDMI Cat5 Extender</b> | Qty./Unit | <b>2 UNITS</b>          |
| Name of Manufacturer:  |   |           | Country of Origin       |
| Brand:   |   |           | Model: (if applicable)  |
| ABC: <b>20,000.00</b>  |   |           |                         |
| PURCHASER'S SPECIFICATION  |   |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br><b>Receiver</b> <ul style="list-style-type: none"> <li>- Video Output interface: 1 x HDMI Type A Female (Black)</li> <li>- Video Impedance: 100Ω</li> <li>- Video Max. Distance: 3 m</li> </ul><br><b>Video</b> <ul style="list-style-type: none"> <li>- Max. Data Rate: 6.75 Gbps (2.25 Gbps Per Lane)</li> <li>- Max. Pixel Clock: 225 MHz</li> <li>- Compliance: HDMI (3D, Deep Color); HDCP Compatible</li> <li>- Max. Resolutions/Distance: Up to 1080p@40m; 1080i@60m</li> </ul><br><b>Audio</b> <ul style="list-style-type: none"> <li>- Output: 1 x HDMI Type A Female (Black)</li> </ul><br><b>Transmitter</b> <ul style="list-style-type: none"> <li>- Video Input Impedance: 100Ω</li> <li>- Video Input Interface: 1 x HDMI Type A Female (Black)</li> <li>- Max Distance: 3m</li> </ul><br><b>Video</b> <ul style="list-style-type: none"> <li>- Max. Data Rate: 6.75 Gbps (2.25 Gbps Per Lane)</li> <li>- Max. Pixel Clock: 225 MHz</li> <li>- Compliance: HDMI (3D, Deep Color); HDCP Compatible</li> </ul> |   |           |                         |





# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>- Max. Resolutions/Distance: Up to 1080p@40m; 1080i@60m</li> </ul> <p>Audio</p> <ul style="list-style-type: none"> <li>- Input: 1 x HDMI Type A Female (Black)</li> </ul> <p>Brand: Branded<br/>Brand new<br/>Warranty Coverage: 12 months upon delivery<br/>Delivery Period: 45 calendar days<br/>Place of Delivery: MMCHD Mandaluyong</p>   |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p> |  |

|   |  |                         |               |
|---|--|-------------------------|---------------|
| <p align="center"><b>Republic of the Philippines</b><br/><b>Department of Health</b><br/><b>Metro Manila Center for Health Development</b></p> <p align="center"><b>TECHNICAL SPECIFICATIONS</b></p>  |  |                         |               |
| Item No. 5  | <b>Procurement of 1 unit HDMI Video Switcher</b> | Qty./Unit               | <b>1 UNIT</b> |
| Name of Manufacturer:   |  | Country of Origin       |               |
| Brand:  |  | Model: (if applicable)  |               |
| ABC: <b>96,900.00</b>   |  |                         |               |
| PURCHASER'S SPECIFICATION   |  | STATEMENT OF COMPLIANCE |               |
| <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>- Video Standard: Full HD &amp; SD</li> <li>- Video Format: 1080p; 1080i; 720p; 576i; 480i</li> <li>- Video Processing: HDMI: YUV 4:4:4 10 bit, RGB 4:4:4</li> </ul> |  |                         |               |



|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Video Input: 4x HDMI</li> <li>- Mix HD &amp; SD Source: Yes</li> <li>- Computer Graphic Interface: 4 via HDMI</li> <li>- Video Output: 2 x HDMI (1 is MV, 1 is PGM)</li> <li>- Down-converted Output: Yes</li> <li>- Built-in Multi-view Monitoring Out: HDMI</li> <li>- Analogue Audio Input: Stereo RCA (L/R); Mono Microphone</li> <li>- Analogue Audio Output: Stereo RCA (L/R); Stereo headphone (Mini Jack with volume control)</li> <li>- Digital Embedded Audio Support: Input 2 channels, Output 2 channels</li> <li>- A+V Switching: yes</li> <li>- USK: Lumakey</li> <li>- Picture in Picture: 1</li> <li>- Effects: FTB, Cut, Wipe with border</li> <li>- Sync/Reference In/Out: Built-in Genlock (internal)</li> <li>- Tally Output: 1x D-Sub 15pin, dual color</li> <li>- Built-in Audio Mixer: Yes, 4 channels</li> <li>- Firmware Update: USB</li> <li>- Special Features: Built-in video scaler for mixed resolution inputs</li> <li>- Power: DC 12V 29W</li> <li>- With AD Switch DC 12V with AC cord</li> </ul> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>  |  |



**Republic of the Philippines**

**Department of Health**

**Metro Manila Center for Health Development**

**TECHNICAL SPECIFICATIONS**

|   |  |           |                         |
|---|--|-----------|-------------------------|
| Item No. 6  | <b>Procurement of 1 unit 5G Router</b> | Qty./Unit | <b>1 UNIT</b>           |
| Name of Manufacturer:   |  |           | Country of Origin       |
| Brand:  |  |           | Model: (if applicable)  |
| ABC: <b>20,600.00</b>   |  |           |                         |
| PURCHASER'S SPECIFICATION   |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br><b>Interfaces</b> <ul style="list-style-type: none"> <li>- 1 Wan/Lan GE port, 1 Lan GE port, 1 power adapter port, 1 SIM card slot (Nano -SIM)</li> </ul><br><b>5G/4G</b> <ul style="list-style-type: none"> <li>- Communication Standard: 3GPP Release 15</li> <li>- Applicable Network: 5G/4G</li> <li>- Network Mode: NSA/SA</li> <li>- 5G Transmission Rate: 3.6 Gbps/250 Mbps (Theoretical value. The actual rate depends on the operator)</li> <li>- 4G Transmission Rate: 1.6 Gbps/150 Mbps (Theoretical value. The actual rate depends on the operator)</li> <li>- Antenna Type: Built-in 5G/4G primary and secondary antennas</li> <li>- Supported Bands</li> </ul> 5G: n1/3/5/7/28/38/40 (2300-2390 MHz) /41/77/78/79/80/84<br>LTE: B1/3/5/7/8/20/28/32/34/38/39/40 (2300-2390 MHz) /41/42/43 |  |           |                         |
| <b>Wireless</b> <ul style="list-style-type: none"> <li>- Transmission Standard: Wi-Fi 6, compatible with 802.11ac/n/g/b/a</li> <li>- Transmission Rate: DBDC 2976 Mbps, 5 GHz 2402 Mbps (theoretical value), 2.4 GHz 574 Mbps (theoretical value).</li> <li>- Frequency Band: 2.4 GHz &amp; 5 GHz</li> <li>- Antenna Type: Built-in dual band Wi-Fi antennas</li> </ul>   |  |           |                         |





# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|  |  |
|--|--|
| <p>Software Functions</p> <ul style="list-style-type: none"> <li>- APP: Android and IOS</li> <li>- More Functions: Mobile network (5G/4G) access, Ethernet access, 5 GHz preferred, SMS service, firewall, PIN protection, MAC address filtering, Wi-Fi encryption authentication, VPN tunnel/VPN penetration, IPv4 and IPv6/IPv4 dual stack, multi-APN, WebUI, HOTA, etc.</li> </ul> <p>Brand: Branded<br/>Brand new<br/>Warranty Coverage: 12 months upon delivery<br/>Delivery Period: 45 calendar days<br/>Place of Delivery: MMCHD Mandaluyong</p>              |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p> |  |

|   |  |                         |               |
|---|--|-------------------------|---------------|
| <p>Republic of the Philippines<br/>Department of Health<br/>Metro Manila Center for Health Development</p> <p>TECHNICAL SPECIFICATIONS</p>  |  |                         |               |
| Item No. 7  | <b>Procurement of 1 unit Tripod System</b> | Qty./Unit               | <b>1 UNIT</b> |
| Name of Manufacturer:   |  | Country of Origin       |               |
| Brand:  |  | Model: (if applicable)  |               |
| ABC: <b>19,500.00</b>   |  |                         |               |
| PURCHASER'S SPECIFICATION   |  | STATEMENT OF COMPLIANCE |               |
| <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>- Double strut top leg sections enhance stability</li> <li>- Pivoting rubber feet</li> <li>- Perfect studio tripod for applications of up to 18 lbs</li> </ul> |  |                         |               |



|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Bubble level</li> <li>- Dual adjustable pan handles for greater control</li> <li>- Maximum Height 64" (163 cm)</li> <li>- Minimum Height 28" (71 cm)</li> <li>- Folded Length 35" (89 cm)</li> <li>- Load Capacity 18 lbs (8.2 kg)</li> <li>- Leg Sections 3</li> <li>- Leg Lock Type Self-aligning Quick Flip</li> <li>- Independent Leg Spread No</li> <li>- Center Brace Yes</li> <li>- Spiked Feet No</li> <li>- Head Type Two-way fluid head with quick release</li> <li>- Head Mount Thread Size 75 mm Claw Ball</li> </ul> <p>Compact Fluid Video Head</p> <ul style="list-style-type: none"> <li>- Independent pan and tilt drag and locks offer effortless control over tripod capabilities</li> <li>- A sliding quick release that locks offer balancing capabilities for a variety of camcorder sizes from small to full size.</li> </ul> <p>Brand: Branded<br/>Brand new<br/>Warranty Coverage: 12 months upon delivery<br/>Delivery Period: 45 calendar days<br/>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>  |  |



**Republic of the Philippines**

**Department of Health**

**Metro Manila Center for Health Development**

**TECHNICAL SPECIFICATIONS**

|   |                                       |           |                                |
|---|---------------------------------------|-----------|--------------------------------|
| Item No. 8  | <b>Procurement of 2 units Monitor</b> | Qty./Unit | <b>2 UNITS</b>                 |
| Name of Manufacturer:   |                                       |           | Country of Origin              |
| Brand:  |                                       |           | Model: (if applicable)         |
| ABC: <b>22,000.00</b>   |                                       |           |                                |
| <b>PURCHASER'S SPECIFICATION</b>  |                                       |           | <b>STATEMENT OF COMPLIANCE</b> |
| <b>Technical Specifications:</b><br><br>Display <ul style="list-style-type: none"> <li>- Size (Inch) 23.8</li> <li>- Size (cm) 60.4</li> <li>- Resolution 1920 x 1080</li> <li>- Panel Type IPS</li> <li>- Aspect Ratio 16:9</li> <li>- Pixel Pitch 0.2745 x 0.2745 mm</li> <li>- Brightness (Min.) 200 cd/m<sup>2</sup></li> <li>- Brightness (Typ.) 250 cd/m<sup>2</sup></li> <li>- Color Gamut (Typ.) NTSC 72% (CIE1931)</li> <li>- Color Depth (Number of Colors) 16.7M</li> <li>- Contrast Ratio (Min.) 600:1</li> <li>- Contrast Ratio Typ.) 1000:1</li> <li>- Response Time 5ms (GtG at Faster)</li> <li>- Viewing Angle (CR&gt;10) 178° (R/L), 178°(U/D)</li> <li>- Surface Treatment Anti-Glare</li> </ul> Connectivity <ul style="list-style-type: none"> <li>- D-sub Yes (1ea) D-Sub (Max. Resolution at Hz) 1920 x 1080 @60Hz</li> <li>- HDMI Yes (1ea) HDMI (Max. Resolution at Hz) 1920 x 1080 @75Hz</li> <li>- HDMI (HDCP Version) 1.4</li> </ul> Brand: Branded |                                       |           |                                |





# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|   |  |
|---|--|
| Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong  |  |
| <b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b><br><br>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery. |  |

|   |                                  |                         |         |
|---|----------------------------------|-------------------------|---------|
| <b>Republic of the Philippines</b><br><b>Department of Health</b><br><b>Metro Manila Center for Health Development</b>  |                                  |                         |         |
| <b>TECHNICAL SPECIFICATIONS</b>   |                                  |                         |         |
| Item No. 9  | Procurement of 2 units Projector | Qty./Unit               | 2 UNITS |
| Name of Manufacturer:   |                                  | Country of Origin       |         |
| Brand:  |                                  | Model: (if applicable)  |         |
| ABC: 250,000.00   |                                  |                         |         |
| PURCHASER'S SPECIFICATION   |                                  | STATEMENT OF COMPLIANCE |         |
| <b>Technical Specifications:</b><br><br>Projection Technology: RGB liquid crystal shutter projection system (3LCD)<br>Brightness: 5,500lm<br>Resolution, Projectors Facets: WXGA<br>Contrast Ratio, Projectors Facets: 15,000:1 |                                  |                         |         |



## METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|   |  |
|---|--|
| <p>Brightness Range Lumens, Projectors Facets:4001</p> <p>Features, Projectors Facets: Wi-fi, Screen Mirroring, Quick Corner</p> <p>Laser / Lamp, Projectors Facets: Lamp</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Service Center must be available within 5 kilometers from Mandaluyong</p> <p>Warranty Coverage 12 months upon delivery</p> <p>Power: Autovolt</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p>  |  |
| <p><b><u>ADDITIONAL REQUIREMENT TO BE SUBMITTED BY THE SINGLE/LOWEST CALCULATED BIDDER (SCB/LCB) AS PART OF POST QUALIFICATION:</u></b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p> |  |



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

Republic of the Philippines

Department of Health

Metro Manila Center for Health Development

## TECHNICAL SPECIFICATIONS

|  |  |           |                         |
|--|--|-----------|-------------------------|
| Item No. 10  | <b>Procurement of 1 unit Audio Mixer</b> | Qty./Unit | <b>1 UNIT</b>           |
| Name of Manufacturer:  |  |           | Country of Origin       |
| Brand:   |  |           | Model: (if applicable)  |
| ABC: <b>44,500.00</b>  |  |           |                         |
| PURCHASER'S SPECIFICATION  |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br>Channels (Input): 14<br>Channels (Output): 5<br>Bluetooth: Yes<br>USB Playback & Record: Yes<br>Internal Effects Engines: Yes<br>Input Connectors: 1 x 3.5 mm Stereo Jack, 1 x Dual RCA & 1 x USB A, 2 x ¼" Stereo Jack, 8 x XLR Combo<br>Output Connectors: 1 x Dual RCA, 3 x 1/4" Jack, 3 x XLR<br>Footswitch: Yes<br>AUX Out: Yes (1 x XLR & 1 x ¼ "Jack)<br>Main Out: 2 x XLR & 2 x ¼" Jack<br>Phantom Power: Yes (48V)<br>Headphones Output: Yes (1 x ¼ with level control)<br>AC Power Input: Universal Supply 100-240VAC 50/60 Hz<br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong |  |           |                         |



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

## Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:

1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.

## Republic of the Philippines

## Department of Health

## Metro Manila Center for Health Development

## TECHNICAL SPECIFICATIONS

|   |  |                         |                |
|---|--|-------------------------|----------------|
| Item No. 11   | <b>Procurement of 2 units Speakers</b> | Qty./Unit               | <b>2 UNITS</b> |
| Name of Manufacturer:   |  | Country of Origin       |                |
| Brand:  |  | Model: (if applicable)  |                |
| ABC: <b>257,500.00</b>  |  |                         |                |
| PURCHASER'S SPECIFICATION   |  | STATEMENT OF COMPLIANCE |                |
| <b>Technical Specifications:</b><br><br><p>Eight-driver mid/high line array: Eight vertically mounted drivers, each mounted on a custom waveguide, help deliver wide, consistent coverage.</p> <p>12-inch LF driver: High performance woofer provides strong low-frequency output.</p> <p>2-channel integrated mixer: 2 inputs with independent level controls accommodate XLR, 0.25-inch and RCA connectors.</p> <p><u>System Performance</u></p> <p>System Type Self-powered, two-way</p> |  |                         |                |



Frequency response (-3 dB) 52 Hz – 15.5 kHz

Frequency range (-10 dB) 43 Hz – 20 kHz

Nominal Dispersion 100° H x 40°V (C-position)

Maximum SPL @ 1 m 126 dB SPL (132 dB SPL peak)

Crossover Frequency 600 Hz 4<sup>th</sup> order Butterworth

#### Amplification

System Power 1000 W

Distortion at Rated Power 0.1% Max (30 Hz – 15 kHz)

System Limiter Dynamic limiter

#### Transducers

Driver Compliment 8 x 2.25" mid-high drivers; 1 x 12" LF driver

#### Channels

##### Channel 1

Front Power Indicator Blue LED: system on

Rear Indicators POWER/FAULT, LIMIT, FRONT LED, SIGNAL INPUT

Input Connections XLR/ ¼ XLR: Pin 1 (GND), Pin 2 (+), Pin 3 (-)

Channel Gain-Infinity to +34 dB (Line), -Infinity to +54 (MIC)

Maximum Input Signal +24 dBu (Line), +18 dBu (MIC)

Input Impedance 2.2 kΩ (MIC), 10Ω (Line)

Controls Volume level, Signal input select, Front LED function select, EQ

##### Channel 2

Front Power Indicator Blue LED: system on

Rear indicators POWER/FAULT, LIMIT, FRONT LED, SIGNAL INPUT

Input Connections: ¼" TS/TRS, (2) RCA

Channel Gain-Infinity to +26 dB (RCA), -Infinity to +20 Db (1/4")

Maximum Input Signal +10 dBu (RCA), +20 dBu (1/4" Unbalanced), +24 dBu (1/4")



|   |  |
|---|--|
| <p>Input Impedance 10 k<math>\Omega</math> (1/4"), 10 k<math>\Omega</math> (RCA)</p> <p>Controls Volume level Volume level, Signal input select, Front LED function select, EQ</p> <p><u>Additional Connections</u></p> <p>Line Output XLR balanced</p> <p>AC Mains IEC Connector</p> <p><u>Physical</u></p> <p>Enclosure High impact composite materials</p> <p>Grille Powder-coated perforated steel grille</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>                            |  |





# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

Republic of the Philippines

Department of Health

Metro Manila Center for Health Development

## TECHNICAL SPECIFICATIONS

|  |                                  |           |                         |
|--|----------------------------------|-----------|-------------------------|
| Item No. 12  | Procurement of 2 units Subwoofer | Qty./Unit | 2 UNITS                 |
| Name of Manufacturer:  |                                  |           | Country of Origin       |
| Brand:   |                                  |           | Model: (if applicable)  |
| ABC: 257,500.00  |                                  |           |                         |
| PURCHASER'S SPECIFICATION  |                                  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><u>System Performance</u><br>System Type Self powered<br>Frequency Response (-3 dB) 40 Hz – 250 Hz<br>Frequency Range (-10 dB) 38 Hz – 250 Hz<br>Nominal Dispersion Omni-directional<br>Maximum SPL @ 1 m 130 dB SPL (peak 6 dB CF)<br>Crossover Frequency 40 - 100 Hz Butterworth Bandpass, 100 Hz 4 <sup>th</sup> order Butterworth HPF at Line out.<br><br><u>Amplification</u><br>System Power 1000 W<br>Distortion at Rated Power 0.1% Max (30 Hz – 15 kHz)<br>System Limiter Dynamic limiter<br>Power Indicator Blue LED: system on<br>Transducers<br>Driver Compliment 2 x 10" high-excursion drivers<br><u>Channels</u><br>Channels ½<br>Signal Indicators POWER/FAULT, LIMIT, FRONT LED, SIGNAL INPUT |                                  |           |                         |



|   |  |
|---|--|
| <p>Input Connections 2 XLR – ¼” Combo</p> <p>Control Volume level, Front LED function select, Power on/off Polarity select, Line output EQ</p> <p><u>Additional Connections</u></p> <p>Line output XLR balanced</p> <p>AC Mains IEC Connector</p> <p><u>Physical</u></p> <p>Enclosure Wood cabinet with high impact composite end caps</p> <p>Grille Powder-coated perforated steel grille</p> <p><u>Power Supply Voltages</u></p> <p>Universal AC power rating: 100-240 V 50 / 60 Hz +/-20%, 200 W max</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer’s product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>  |  |



Republic of the Philippines  
Department of Health  
**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

|  |  |           |                         |
|--|--|-----------|-------------------------|
| <b>Republic of the Philippines</b><br><b>Department of Health</b><br><b>Metro Manila Center for Health Development</b>   |  |           |                         |
| <b>TECHNICAL SPECIFICATIONS</b>  |  |           |                         |
| Item No. 13  | <b>Procurement of Audio Mixer Equipment Rack</b> | Qty./Unit | <b>1 UNIT</b>           |
| Name of Manufacturer:  |  |           | Country of Origin       |
| Brand:   |  |           | Model: (if applicable)  |
| ABC: <b>25,000.00</b>  |  |           |                         |
| PURCHASER'S SPECIFICATION  |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br>Interior<br><br>-Horizontal rack profile (for mixing console, for example) of 10 U height adjustable (0 mm to 160 mm)<br>-Intermediate plate under the mixing table at a depth of 140 mm<br>-Front and rear lid can be converted into hanging tables by folding table legs, which can be mounted on the left or right.<br>-Equipped with rack screws and cage nuts<br>-16u high 19" Mixer rack Case with 10U Slanting Rack for Mixer on Castors<br>-Can be modified to take a 12U Mixer<br>-Front and Rear Lids are fitted with table legs<br>-Depth from front rack rail to rear rack rail 470mm.<br><br>Padlock able latches<br><br>-Spring return handle<br>-Heavy Duty Steel Hardware<br>-Heavy Duty 5Ply 10mm Panel |  |           |                         |



|  |  |
|--|--|
| <p>-Foam Lined Lids</p> <p>-Rack Nuts Bolts and Washers Included</p> <p>Exterior</p> <p>-10 mm Plywood</p> <p>-3 removable lids</p> <p>-4 click handles in dish</p> <p>-8 butterfly locks</p> <p>-2 wheels with brake</p> <p>-2 wheels without brakes</p> <p>Internal Dimensions</p> <p>-Front rack rail to rear of main case 470mm</p> <p>-Front rack to inside of rear lid 490mm</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p> |  |



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

Republic of the Philippines

Department of Health

Metro Manila Center for Health Development

## TECHNICAL SPECIFICATIONS

|   |   |           |                         |
|---|---|-----------|-------------------------|
| Item No. 14   | <b>Procurement of 1 unit Interconnecting Cables for AV System</b> | Qty./Unit | <b>1 UNIT</b>           |
| Name of Manufacturer:   |   |           | Country of Origin       |
| Brand:  |   |           | Model: (if applicable)  |
| ABC: <b>33,300.00</b>   |   |           |                         |
| PURCHASER'S SPECIFICATION   |   |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br>4 sets 10 meters speaker cable with XLR male and female<br>2 sets 3 meters speaker cable with XLR male and female<br>8 sets 1 meter speaker cable with XLR male and female<br>10 pcs 1 meter HDMI Cable - for PTZ Camera and Monitor<br>2 sets 10 meters UTP cable for Switcher and Camera Control<br>Brand: Branded<br>Brand new<br>Warranty Coverage: 12 months upon delivery<br>Delivery Period: 45 calendar days<br>Place of Delivery: MMCHD Mandaluyong  |   |           |                         |
| <b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b><br><br>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery. |   |           |                         |



Republic of the Philippines  
Department of Health  
**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**

|  |  |           |                         |
|--|--|-----------|-------------------------|
| <b>Republic of the Philippines</b><br><b>Department of Health</b><br><b>Metro Manila Center for Health Development</b>   |  |           |                         |
| <b>TECHNICAL SPECIFICATIONS</b>  |  |           |                         |
| Item No. 15  | <b>Procurement of 2 units Android TV</b> | Qty./Unit | <b>2 UNITS</b>          |
| Name of Manufacturer:  |  |           | Country of Origin       |
| Brand:   |  |           | Model: (if applicable)  |
| ABC: <b>53,000.00</b>  |  |           |                         |
| PURCHASER'S SPECIFICATION  |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br><br>Brightness(cd/m2): 260 (typ.)<br>Contrast Ratio: 5000:1 (typ.)<br>Backlight Type: DLED<br>Panel Type: Vertical Alignment (VA)<br>Aspect Ratio: 16:9<br>Panel Active Size (inch): 49:5<br>Display Resolution: 3840x2160<br>Response Time (G to G) (ms): 8 (typ.)<br>Clear Motion Rate (CMR): 100<br>Viewing Angle: 178°/178° (typ.)<br>Colour: 1.07G (8bit + FRC)<br>Refresh Rate (Hz): 60Hz<br>CPU: 64-bit A55*4 @ 1.3GHz max<br>UI Style: Smart & Clean<br>OS: Google System<br>RAM: 2GB<br>Storage: 16GB<br>TV System: ATV:SECAM, PAL, NTSC, DTV:DTVB-T/T2 |  |           |                         |





|   |  |
|---|--|
| <p>Power Consumption: (TV On) :110W</p> <p>Power Consumption (Standby): &lt;0.5W</p> <p>ECO Energy Efficiency: Yes</p> <p>Energy Efficiency Rating: 4 Ticks</p> <p>Google Assistant: Voice input via remote control</p> <p>Instant power on: Special Standby mode for start-up in shorter time</p> <p>Bluetooth: Yes, for external bluetooth speaker/soundbar</p> <p>Parental Control: Yes</p> <p>Digital Broadcasting: Yes, DVB-T2</p> <p>Add:</p> <p>Standard Wall Mounted Bracket</p> <p>Power: Autovolt</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p>  |  |



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

Republic of the Philippines

Department of Health

Metro Manila Center for Health Development

## TECHNICAL SPECIFICATIONS

|  |  |           |                         |
|--|--|-----------|-------------------------|
| Item No. 16  | <b>Procurement of 1 unit Portable Public Address (PA) System</b> | Qty./Unit | <b>1 UNIT</b>           |
| Name of Manufacturer:  |  |           | Country of Origin       |
| Brand:   |  |           | Model: (if applicable)  |
| ABC: <b>46,000.00</b>  |  |           |                         |
| PURCHASER'S SPECIFICATION  |  |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b><br>Procurement of 1 unit Portable Public Address (PA) System<br>-System Type Portable 2-way full-range loudspeakers with powered mixer<br>-Maximum SPL Output: 121 dB peak<br>-Frequency Range: (-10dB) 60 Hz – 20 kHz<br>-Frequency Response: (±3 dB) 70 Hz – 18 kHz<br>-AC Input: 100-120 V, 220-240 V 50/60 Hz<br>-Amp Design: Class D<br>-System Power Rating: 300 W (2x 150 W stereo)<br>-Outputs Monitor Out: one pair of RCA jacks (stereo), and one pair of ¼" balanced TRS jack (stereo) Headphone Out: 3.5mm stereo jack<br>Subwoofer Out: ¼" balanced TRS jack<br>-Channels 1-4 XLR ¼" jack combo connectors 5-6: one pair of ¼" balanced TRS jack (stereo), and one pair of RCA jacks (stereo) 7-8: one pair of ¼" balanced TRS jacks (stereo), and a 3.5mm stereo jack.<br>-Phantom Power: CH1 and CH2 have phantom power control and share the same selection switch.<br>-Hi-Z Selection: CH3 has a Hi-Z selection switch used for guitar signal input.<br>-Mixer Output Connectors Monitor Out: one pair of RCA jacks (stereo), and one pair of ¼" balanced TRS jacks (stereo) Headphone Out: 3.5mm stereo jack Subwoofer Out: ¼" balanced TRS jack. |  |           |                         |



|  |  |
|--|--|
| <p>-Treble/Bass EQ: Per channel high-and low-shelf filters; +/- 12dB cut and boost.</p> <p>-System Limiter: On-board DSP limiting.</p> <p>-LF Driver: 1xJBL 8" (203mm) woofer.</p> <p>-HF Driver: 1x1 Neodymium black aluminum dome tweeter</p> <p>-Coverage Pattern: 100° horizontal x 60° vertical</p> <p>-Crossover Frequency: 2kHz</p> <p>-Crossover Type: 2-way passive network, 2<sup>nd</sup> order filters (12dB cutoff per octave)</p> <p>-Enclosure Polypropylene</p> <p>-Suspension/Mounting: 36mm pole socket</p> <p>-Handles: One on top.</p> <p>-Speaker Grille: Powder-coated perforated steel.</p> <p>-Dimensions: (H x W x D) 575mm x 775mm x 400mm (22.6in x 30.5in x 15.7in)</p> <p>-Net weight: 38.8 lbs. (17.6 kg)</p> <p>-Mic Inputs: 4</p> <p>-EQ Treble, Bass</p> <p>-Effects: Reverb</p> <p>-Inputs: 1-4: XLR/ ¼" / jack combo connectors 5-6: one pair of ¼" balanced TRS jacks (stereo), and one pair of RCA jacks(stereo) 7-8: one pair of ¼" balanced TRS jacks (stereo), and a 3.5mm stereo jack</p> <p>Brand: Branded</p> <p>Brand new</p> <p>Warranty Coverage: 12 months upon delivery</p> <p>Delivery Period: 45 calendar days</p> <p>Place of Delivery: MMCHD Mandaluyong</p> |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling</p>  |  |



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

instruction of the product must be complied upon delivery.

## Republic of the Philippines

## Department of Health

## Metro Manila Center for Health Development

### TECHNICAL SPECIFICATIONS

|  |  |                         |                |
|--|--|-------------------------|----------------|
| Item No. 17  | <b>Procurement of 4 units Wireless Microphone System</b> | Qty./Unit               | <b>4 UNITS</b> |
| Name of Manufacturer:  |  | Country of Origin       |                |
| Brand:   |  | Model: (if applicable)  |                |
| ABC: <b>225,200.00</b>   |  |                         |                |
| PURCHASER'S SPECIFICATION  |  | STATEMENT OF COMPLIANCE |                |
| <b>Technical Specifications:</b><br><br>Diversity Receivers<br>- Up to 12 compatible systems per frequency band (region dependent)<br>- Microprocessor-controlled internal antenna diversity<br>- One-touch QuickScan frequency selection quickly locates the best frequency<br>- 1/4" and XLR audio outputs<br>- Two color audio status indicator LED<br><br>Wireless Transmitter:<br>- Power and battery status LED<br>- Adjustable gain control<br>- Quick & easy frequency matching<br>- 2 AA batteries (included) provide up to 14 hours of continuous use<br>- 300 feet (91 m) operating range (line of sight)<br>- Dynamic Cardioid Wireless Microphone<br>- Audio Range: 60hz – 15 khz |  |                         |                |



## METRO MANILA CENTER FOR HEALTH DEVELOPMENT

|  |  |
|--|--|
| <p>Two microphone per system<br/>Microphone Guard per microphone<br/>Brand: Branded<br/>Brand new<br/>Warranty Coverage: 12 months upon delivery<br/>Delivery Period: 45 to 60 calendar days<br/>Place of Delivery: MMCHD Mandaluyong</p>  |  |
| <p><b>Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</b></p> <p>1. One (1) original sample of manufacturer's product to be submitted and returned after evaluation. The sample submitted and approved during the evaluation shall be the same item to be delivered upon award of contract. Prototype of the labelling instruction must be part of the sample submitted however, the technical specifications of the labelling instruction of the product must be complied upon delivery.</p> |  |