



# METRO MANILA CENTER FOR HEALTH DEVELOPMENT

## SUPPLEMENTAL/ BID BULLETIN NO. 1

IB 2022 – 142E

### PROCUREMENT OF 2 UNITS OAE HEARING SCREENER WITH CHARGING STAND AND THERMAL PRINTER

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

| Revision and clarification to provisions/specifications in the Bidding Documents:  |  |
|--|--|
| FROM   | TO   |
| <ul style="list-style-type: none"> <li>Has a graphic LCD of at least 3.5"</li> </ul>   | <ul style="list-style-type: none"> <li>Has a graphic LCD of at least 3.5" - retained</li> </ul>  |
| <ul style="list-style-type: none"> <li>Has a charging stand</li> </ul>   | <ul style="list-style-type: none"> <li>Has a charging stand or its equivalent</li> </ul>   |
| <ul style="list-style-type: none"> <li>Power Supply: Rechargeable battery that can last up to 6 hours of operation</li> </ul>  | <ul style="list-style-type: none"> <li>Power Supply: Rechargeable battery that can last up to 6 hours of operation – built in</li> </ul>   |
| <ul style="list-style-type: none"> <li>Sample rate: 48 kHz (stimulus, response)</li> </ul>   | <ul style="list-style-type: none"> <li>Sample rate: 48 kHz (stimulus, response)</li> </ul>   |
| <ul style="list-style-type: none"> <li>Minimum DPOAE level: 70 dB</li> </ul>   | <ul style="list-style-type: none"> <li>Minimum Distortion Product Otoacoustic Emissions (DPOAE) level criterion: 70 dB</li> </ul>  |
| <ul style="list-style-type: none"> <li>Sample rate: 48kHz (stimulus), 16 kHz (response)</li> </ul>   | <ul style="list-style-type: none"> <li>Sample rate: 48kHz (stimulus), 16 kHz (response) - retained</li> </ul>  |
| REQUIREMENTS, IF AWARDED THE CONTRACT<br>4. Warranty: Warranty certificate for two (2) years on parts and service. The supplier shall either repair or replace any item or part in the equipment that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning. | REQUIREMENTS, IF AWARDED THE CONTRACT<br>4. Warranty: Warranty certificate for two (2) years on parts and service. The supplier shall either repair or replace any item or part in the equipment that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning. With Calibration and Preventive maintenance within warranty period. |

Bidders are advised to use the following attached forms and submit together with all required documents for the submission of bids on 1<sup>st</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 23<sup>rd</sup> day of October 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<br>Department of Health<br>Metro Manila Center for Health Development<br><br><b>TECHNICAL SPECIFICATIONS</b>  |   |           |                         |
| Item No. 1  | <b>OAE HEARING SCREENER WITH CHARGING STAND AND THERMAL PRINTER</b> | Qty./Unit | <b>2 Units</b>          |
| Name of Manufacturer:   |   |           | Country of Origin       |
| Brand:  |   |           | Model: (if applicable)  |
| ABC: <b>690,000.00</b>  |   |           |                         |
| PURCHASER'S SPECIFICATION   |   |           | STATEMENT OF COMPLIANCE |
| <b>Technical Specifications:</b> <ul style="list-style-type: none"> <li>● Type: Handheld</li> <li>● Has a graphic LCD of at least 3.5"</li> <li>● Has a resistive touch screen</li> <li>● Has a real time-clock</li> <li>● Has a USB port</li> <li>● Has a thermal printer</li> <li>● Has a charging stand or its equivalent</li> <li>● IP rating: At least IP30</li> <li>● Power Supply: Rechargeable battery that can last up to 6 hours of operation – built in</li> </ul> <b>Distortion Product Otoacoustic Emissions (DPOAE)</b> <ul style="list-style-type: none"> <li>● Probe check: limit maximum sound pressure (stimulus), comparison across speakers (symmetry), leak check (probe fit).</li> <li>● Calibration in-the-ear calibration with ear-canal volume adjustment</li> <li>● Noise detection: narrow band noise.</li> <li>● Response detection: F-test, F-value at a single point (Fsp).</li> <li>● Frequency ratio: f2/f1: 1.22</li> <li>● Sample rate: 48 kHz (stimulus, response)</li> <li>● Minimum Distortion Product Otoacoustic Emissions (DPOAE) level criterion: 70 dB</li> </ul> |   |           |                         |



- Measurement interval: At least 4096 samples
- Frequencies: 1, 1.5, 2, 3, 4, 5, 6, 8 kHz
- Stimulus level: 30 to 65 dB SPL
- SNR stop criteria: 6, 9, 12 dB

**Transient Evoked Otoacoustic Emissions (TEOAE)**

- Noise Reduction: root mean square (RMS) of non-stimulus intervals
- Response detection: 8 values with changing sign fulfilling a 3 sigma criterion
- Sample rate: 48kHz (stimulus), 16 kHz (response)
- Window of analysis: 5 to 13 ms post-stimulus
- Stimulus level: 85 dB peSPL
- Stimulus-type: short-term stimulus without direct component
- Stimulation protocol nonlinear
- Single probe: One (1) ear at a time

**REQUIREMENTS, if awarded the contract**

1. **Completion Period:** The delivery, installation, testing and commissioning of the equipment and its accessories, including the training of end-users and maintenance staff must be completed within **30 calendar days** upon receipt of Notice to Proceed.
2. **Testing:** Prior to acceptance, the end user shall conduct a physical inspection and functionality test. The equipment must be functioning and must have no physical damage and defect.
3. **Training:** The supplier shall provide a training on the proper use and maintenance of the equipment to the end-users and to the hospital maintenance staff within three (3) days upon delivery of the equipment.
4. **Warranty:** Warranty certificate for two (2) years on parts and service. The supplier shall either repair or replace any item or part in the equipment that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning.
5. **Notarized undertaking** that the supplier shall conduct the necessary corrective maintenance, replacements and repair within five (5) calendar days upon notification of the equipment breakdown from the end-user. The undertaking shall include a statement that the number of days where the equipment is unusable due to defective material or workmanship, shall be added to the warranty period.
6. **Manuals:** The supplier must provide the end-user one (1) hard and one (1) soft copy of the following:
  - a) Service manual in English language
  - b) Operation manual in English language

