



Republic of the Philippines
Department of Health

METRO MANILA CENTER FOR HEALTH DEVELOPMENT

SUPPLEMENTAL/ BID BULLETIN NO. 1

IB 2022 – 087E

PROCUREMENT OF VARIOUS WATER TESTING KIT (LOT BIDDING) (REBID)

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
Item No. 1: 1 SET WATER QUALITY TESTING KIT • Operation Environment: 0 ~ 50°C, 100% or less RH	• Operation Environment: Manufacturer's standard
- Windows software and USB cable for PC connection	- Latest Windows software and USB cable for PC connection
Item No.2: 1 SET EFFLUENT, SEWAGE WATER QUALITY TESTING KIT - Tube - Cuvette	- Tube, at least 12 pcs - Cuvette, at least 12 pcs


Bidders are advised to use the following attached forms and submit together with all required documents for the submission of bids on 23rd day of May 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 30th day of May 2022 in MMCHD

Approved by:


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



METRO MANILA CENTER FOR HEALTH DEVELOPMENT

Republic of the Philippines
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Metro Manila Center for Health Development

TECHNICAL SPECIFICATIONS

Item No. 1	WATER QUALITY TESTING KIT	Qty./Unit	1 Sets
Name of Manufacturer:		Country of Origin	
Brand:		Model: (if applicable)	
ABC: 250,000.00			
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>A. Technical Specifications:</p> <ul style="list-style-type: none"> • Capable of measuring: pH, ORP, EC, TDS, Resistivity, Salinity, SG of Seawater, DO, Atmospheric pressure, Temperature • Operation Environment: Manufacturer's standard • Dimensions: Manufacturer's Standard • Temperature Compensation: Automatic • Battery: Manufacturer's Standard • Power Supply: Rechargeable battery with charger • Enclosure Rating: IP67 (body), IP68 (electrode) • Data Saving: Capable of storing up to 40,000 data • Measuring Range: <ul style="list-style-type: none"> - PH / pH-mV: 0.00 to 14.00 pH (detection unit: 0.01 pH), ± 600.0 mV (detection unit: 0.1 mV) - ORP: ± 2000.0 mV (detection unit: 0.1 mV) - EC: 0 to 200 mS / cm - TDS: 0.0 to 400.0ppt (= g / L) (maximum value depends on EC / TDS conversion value) - Resistivity: 0 to 999999Ω · cm, 0 ~ 1000.0KΩ · cm , 0 ~ 1.000MΩ · cm - Salt: 0.00~70.00PSU (Detection unit: 0.01PSU) - Specific gravity of seawater: 0.0 ~ 50.0σt, σ0, σ15 (Detection unit: 0.1σ) - DO (dissolved oxygen): 0.0 to 500.0% (detection unit: 0.1%), 0.00 to 50.00 ppm (= mg / L) (detection unit: 0.01 ppm) - Atmospheric pressure: 450 to 850 mm Hg (0.1 mm Hg), 17.72 ~ 33.46in Hg (0.01in Hg), 600.0 ~ 1133.2mbar (0.1mbar), 8.702 ~ 			



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16.436psi (0.001psi), 0.5921 ~ 1.1184atm (0.0001atm), 60.00 ~ 113.32kPa (0.01kPa)

- Temperature: -5.00 ~ 55.00 °C (detection unit: 0.01 °C)

• Accuracy:

- PH / pH-mV: ± 0.02 pH, ± 0.5 mV

- ORP: ± 1 mV

- EC: $\pm 1\%$ of measured value or $\pm 1 \mu\text{S} / \text{cm}$, whichever is greater

- TDS: $\pm 1\%$ of measured value or ± 1 ppm greater

- Salt: $\pm 2\%$ of the measured value or ± 0.01 PSU, whichever is greater

- Seawater specific gravity: $\pm 1\sigma$

- DO (dissolved oxygen): The measured value $\pm 1.5\%$ or $\pm 1\%$, whichever is greater (0.0 to 300.0%), $\pm 3\%$ of measured value (300.0 to 500.0%), $\pm 1.5\%$ of measured value or ± 0.1 ppm, whichever is larger (0.00 to 30.00 ppm), $\pm 3\%$ of measured value (30.00 to 50.00 ppm)

- Atmospheric Pressure: $\pm 3\text{mm Hg}$ (within ± 15 °C from calibration temperature)

- Temperature: ± 0.15 °C

• Standard Accessories:

- At least 40m electrode

- pH / ORP Sensor

- DO Sensor

- EC Sensor

- Standard solution for pH/EC/DO

- Electrode maintenance kit (5 pcs of DO electrode electrolyte, 5 pcs DO membrane cap and O-ring, entered syringe)

- Plastic beaker

- Latest Windows software and USB cable for PC connection

- Batteries

- Carrying case

B. 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



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<p>maintenance staff</p> <p>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.</p> <p>5. Notarized undertaking that the supplier shall conduct the necessary corrective maintenance 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.</p> <p>6. Manuals: The supplier must provide the end-user one (1) hard and one (1) soft copy of the following:</p> <ul style="list-style-type: none">a) Service manual in English languageb) Operation manual in English language <p>7. With "DOH-MMCHD HFEP" (Government Property not for sale) sticker in each unit.</p> <p>X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X</p> <p>Recipient: Health Facilities of Paranaque</p>	
<p><u>C Additional Requirement to be submitted by the Single/Lowest Calculated Bidder (SCB/LCB) as part of post qualification:</u></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>	



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Republic of the Philippines Department of Health Metro Manila Center for Health Development Technical Specifications			
Item No.2	EFFLUENT, SEWAGE WATER QUALITY TESTING KIT	Qty./Unit	1 Sets
Name of Manufacturer:		Country of Origin	
Brand:		Model: (if applicable)	
ABC: 156,000.00			
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
A. Technical Specifications: <ul style="list-style-type: none"> • Can measure the following: <ul style="list-style-type: none"> - Chemical Oxygen Demand (COD) - Ammonia Nitrogen - Total Phosphorus - Turbidity • Display: At least 5.6 inch touch screen, LCD or better • Calibration function: Able to calculate and store curves according to the standard sample • Data Storage: Can store at least 10,000 sets of data • Colorimetry methods: <ul style="list-style-type: none"> - Tube, at least 12 pcs - Cuvette, at least 12 pcs • Optical Stability: $\leq \pm 0.005A/20$ min • Sample/batch: At least 12 samples • Testing Scope: <ul style="list-style-type: none"> - COD: 2 -10000 mg/L - Ammonia Nitrogen: 0.02-100 mg/L - Total Phosphorus: 0.01-12 mg/L - Turbidity: 1-300 NTU • Testing Time: 1-50 min • Repeatability: $\leq \pm 2\%$ • Digestion Time: 10-30 mins • Power Supply: 220V, 50/60Hz 			

