



Pre-bid Conference (via Zoom)

Project No. 2021-30: Purchase of Assorted Laboratory Equipment and Instruments

October 8, 2021, 1:30pm

GSCWD Bldg., Boardroom, General Santos City

MINUTES OF THE PROCEEDINGS

I. Attendance

Bids and Awards Committee (via Zoom)

Ferdinand S. Ferrer, MPA	-	BAC Chairperson
Engr. Rogelio A. Besana, Jr.	-	BAC Vice Chairperson
Engr. Cornelio Turija, Jr.	-	BAC Member
Maritess P. Primaylon	-	BAC Member
Samcelle B. Valenzuela	-	BAC Member
Agnes P. Tampico, MPA	-	BAC Secretariat, Head
Mira Jean G. Fuentes	-	BAC Secretariat
Rauline Kaye F. Autida	-	BAC Secretariat
Engr. Michael Gabales	-	BAC TWG Head
Ma. Rita B. Barriesses, RMT	-	BAC TWG
Edward Lalong	-	BAC TWG
Vienna Marie Echalar	-	BAC TWG
Chenny Rose Rodriguez	-	BAC TWG

Bidders (via Zoom)

Catherine A. Rabutan	-	Ace Medical Solutions Inc
Kent Nollora	-	Brownstone Asia
Arriane Joy Catapang	-	Dakila Trading
Nadine Velebia	-	Dakila Trading
Jerry Suello	-	ITS Science
Stella Aurora	-	Krypton Resources Sales and Services, Inc.
Shirley A. Ociones	-	Labtraders
Madelaine Avila	-	Fil-Anaserve Inc.
Eunice Hangad	-	Microlab
Beryl Lorraine Abastas	-	Microlab
Michael Gatpatan	-	Noveaulab Asia Corp
Carl Angelo Dela Cruz	-	Noveaulab Asia Corp
Matthew Claudio	-	Noveaulab Asia Corp

II. Call to Order

The conference was called to order at 1:30 pm and was presided by the BAC Chairperson, Mr. Ferdinand S. Ferrer, MPA.

BAC Secretary Mira Jean Fuentes went over the attendees. Nine (9) prospect bidders attended the pre-bid conference, namely: Ace Medical Solutions Inc., Brownstone Asia, Dakila Trading, ITS Science, Krypton Resources Sales and Services, Inc., Labtraders, Fil-Anaserve Inc., Microlab, Noveaulab Asia Corp.

There were no representatives from the Commission on Audit, Kiwanis and PSME who were invited to observe and witness the conduct of the Pre-Bid Conference.



III. Highlights of the Proceedings

As to the Bidding Process

The Pre-bid Conference was conducted via webcasting (Zoom). BAC Vice Chairperson, Engr. Rogelio A. Besana, Jr., discussed the following points:

- The Total Approved Budget for the Contract (ABC) is **Three Million Seventy Two Thousand Seven Hundred Pesos Only (Php 3,072,700.00)**.
- It was discussed to the prospective bidder the two-envelope system and the components for each envelope. The first envelope is Technical Component Envelope & the second is the Financial Component Envelope. Checklist for the components for each envelope is provided in Section 8 of the Philippine Bidding Document.
- The following are the components for each envelope:
 - A. TECHNICAL COMPONENT ENVELOPE**

Class "A" Documents

A.1 Legal Documents

- (a) **Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);** or Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document, and

Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and

Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Note: In case any of the items are expired, bidder must present copy of the renewed certificate; official receipts or any proof of payment shall not be accepted, except for Mayor's Permit.

A.2 Technical Documents

- (b) **Statement of the prospective bidder of all its ongoing government and private contracts**, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid. **The sum of all outstanding works shall be reflected;** and

(c) **Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid**, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; and

- ITB 5.3: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (**50%**) of the **ABC**.
- ITB 10.2: The Bidder's SLCC as indicated in ITB Clause 5.3 should have been completed within **3 years** prior to the deadline for the submission and receipt of bids.
- BDS ITB 5.3: For this purpose, contracts similar to the Project shall be:
 - **Supplied Medical Related Equipment**
 - Completed within **3 years** prior to the deadline for the submission and receipt of bids.

(d) **Original copy of Bid Security**. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of **Notarized** Bid Securing Declaration; and

- Note:** **The Bid Security** shall be limited to Bid Securing Declaration **or** at least one (1) other form in accordance with the following amount;
- Cash (2% of ABC) = Php 61,454.00
 - Cashier's / Manager's Check issued by a Universal or Commercial Bank (2% of ABC) = Php 61,454.00



- Bank Draft / guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. (2% of ABC) = Php 61,454.00
- Surety Bond (5% of ABC) = Php 153,635.00 valid *until* February 21, 2022 and shall be accompanied by a certification by the Insurance Commission that the surety or insurance company is authorized to issue such instruments.

(e) **Conformity with the Technical Specifications**, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and

Note: Bidder shall **photocopy** the provided GSCWD Technical Specifications in BDS Sec. VII

Bidder shall indicate “**comply**” per required parameter as their statement of compliance.

Bidder shall provide the necessary supporting documents for the additional requirements stated in the Technical Specifications.

If not, ground for disqualification.

(f) **Original duly signed Omnibus Sworn Statement (OSS)**; and if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Note: Must be Notarized

Proforma found in the Bid Docs

Must be filled out properly

A.3 Financial Documents

(g) **The Supplier’s audited financial statements**, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than **two (2) years** from the date of bid submission; and

(h) **The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC)**; or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

B. FINANCIAL COMPONENT ENVELOPE

(a) Original of duly signed and accomplished Financial Bid Form; and

(b) Original of duly signed and accomplished Price Schedule(s)

○ Other reminders:

- Bids that exceed the ABC shall not be accepted.
- Prospective bidders are instructed to provide **one (1) original and two (2) copies** of the documents for each component. The BAC prefers bid documents be identified with ticklers for easy location of file/s to be evaluated during opening of bids.
- Other bidders can still join the bidding even if they have not attended the Pre-bid Conference.
- Bid shall be submitted to GSCWD for Opening of Bids on **October 21, 2021 at 12:00nn**; late bids shall be declared “late” and shall not be accepted.
- For queries and concerns, please e-mail us at gscwdprocurement@yahoo.com
- After determining compliance with the requirements in the first envelope, the BAC shall forthwith open the second bid envelope of each remaining eligible bidder whose first bid envelope was rated “PASSED”.
- In case one or more of the requirements in the second envelope of a particular bid is missing, incomplete or patently insufficient, and/or if the submitted total bid price exceeds the ABC, the BAC shall rate the bid concerned as “FAILED”.
- The BAC or the Procuring Entity shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening. Also, this act shall be subject for **ineligibility or disqualification**.



- All forms must be properly filled out (project no., project name, etc.) and be addressed to:
Ferdinand S. Ferrer, MPA
BAC Chairperson
General Santos City Water District
E. Fernandez St., Brgy. Lagao, GSC

As to ELECTRONIC BID SUBMISSION

Based on Instruction to Bidders (Section 15), the bidder shall submit an electronic copy of its bid, which must be digitally signed.

An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, automatically disqualified.

Based on GPPB Resolution No. 09-2020, dated 7 May 2020

SUBMISSION AND RECEIPT OF BIDS

1. **Bidding Documents** must be in **Two (2) password protected compressed archive files** which shall be submitted simultaneously, the **first shall contain the Technical Component (Legal, Technical & Financial Documents)** and the **second shall contain the Financial Component** of the bid. Deadline and submission of bid for **Project No. 2021-30: Purchase of Assorted Laboratory Equipment and Instruments is October 21, 2021 at 12nn. Bids shall be emailed at: gscwdprocurement@yahoo.com. Kindly secure confirmation from the recipient.**

Note:

- A. Please make sure that the files are readable and in pdf format.
- B. Kindly compress the required documents into one file.
- C. Kindly use the following format for your electronic bid:
[Company name] Technical Component [part 1, part 2 (if applicable)]
[Company name] Financial Component
- D. Bidders who opt to submit bid documents online shall also submit required hard copies to the General Santos City Water District.

2. **Bidding Documents not in compressed** archive folders and are **not password protected**, shall be **rejected**. However, bid files **not properly compressed** and **password-protected**, as required in the Bidding Documents, shall be **accepted**, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The BAC shall **assume no responsibility** for the misplacement of the contents of the improperly compressed or password-protected folder, or for its premature opening.

MODIFICATION OF BIDS

If a bidder modifies its Bid, it shall not be allowed to retrieve its original Bid, but shall only be allowed to send another Bid equally secured and properly identified. In the case of electronic submission, to be labeled as a **“modification,”** of the one previously submitted. The time indicated in the latest Bid receipt page generated shall be the official time of submission. Bids submitted after the **deadline shall not be accepted**.

BID OPENING

The passwords for accessing the **Bidding Documents** will be disclosed by the Bidders only **during the actual bid opening** which may be done in **person or face-to-face through videoconferencing, webcasting or similar technology**.



As to Clarifications

- Ms. Stella Aurora, representative of Krypton Resources Sales and Services, Inc. asked if Bid Securing Declaration shall suffice for the requirement of Bid Security.
 - Engr. Rogelio Besana answered YES, since the other forms with corresponding amount were stated as **options**.
- Ms. Stella Aurora also asked if the bid shall be award by two lots (e.g. Lot 1; Lot 2).
 - Engr. Rogelio Besana answered No. This project provides a single ABC. Therefore, this shall be awarded as a **single lot**. Section 6 of the Bidding documents also states **1 Lot** for the quantity.
- Mr. Michael Gatpatan from Noveaulab Asia Corp inquired for the mode for payment for Bid documents.
 - Ms. Agnes Tampico informed the bidders that they can send their payment through **Palawan Express**. They shall send a request through e-mail for the details.

As to the Technical Specifications

The Technical Specifications were discussed by Ma. Rita B. Barrieses, RMT. The same can be found in Section VII of the bidding documents.

As to Clarifications

Clarification	BAC / Technical Working Group Response
Krypton Resources Sales and Services, Inc. - Stella Aurora What is the distribution of quantity for the Dispensepette?	BAC Secretariat, Head – Agnes Tampico As per Philgeps posting, 2 pcs for 1-10ml; 2 pcs for 10-100ml.
Microlab – Beryl Lorraine Abastas Is it possible if this will be converted to a per item bid?	BAC Secretariat, Head – Agnes Tampico No. This project provides a single ABC. Therefore, this shall be awarded as a single lot .
Dakila Trading – Nadine Velebia The technical specification for Microscope indicates Optional Accessories: Micro image projection system, does this mean a camera is included in the microscope?	BAC TWG, MSU-GSC – Vienna Marie Echalar Yes.
Krypton Resources Sales and Services, Inc. - Stella Aurora It says “optional”, does it mean we have the option to offer or not?	Yes.
Dakila Trading – Nadine Velebia Is it possible to delete the specification stating Optional Accessories?	BAC Chairperson – Ferdinand Ferrer Since it states “optional”, the supplier has the option to provide or not. But if the supplier failed to provide, this shall NOT be ground for disqualification.
Krypton Resources Sales and Services, Inc. - Stella Aurora For Autoclave, it states two chamber sizes - 50L and 75L. What does it mean?	BAC TWG, MSU-GSC – Chenny Rose Rodriguez The quantity for this item is 2 units . Therefore, 1 unit for 50L; 1 unit for 75L.
Dakila Trading – Nadine Velebia For Biological Safety Cabinet, can we offer HEPA filters instead of ULPA filters?	BAC TWG, MSU-GSC – Vienna Marie Echalar
BAC TWG, MSU-GSC – Vienna Marie Echalar What is the particle size for the HEPA filters? ➤ Dakila Trading - Particle size is just same with ULPA filters.	Yes, we can consider the HEPA filter as long as it offers the same efficiency of 99.999% for particle size between 0.1 to 0.3 microns.



<p>Dakila Trading – Nadine Velebia For the Hot Air Oven Sterilizer, can we offer RS232 port instead of USB port for recording data?</p> <p style="text-align: center;">BAC TWG, MSU-GSC – Vienna Marie Echalar Is the RS232 port for old models or is it up-to-date?</p> <p style="margin-left: 20px;">➤ Dakila Trading – It is up-to-date. These days, there are models with USB port and there are also models with RS232 port. And these models with RS232 port are up-to-date.</p>	<p>BAC TWG, MSU-GSC – Vienna Marie Echalar Yes.</p>
<p>Dakila Trading – Nadine Velebia For Incubator, can we offer 400L capacity?</p> <p>Noveaulab Asia Corp – Michael Gatpatan Is forced air incubator acceptable instead of natural convection?</p>	<p>BAC TWG, MSU-GSC – Vienna Marie Echalar This specification shall stay as it is. The 400L capacity might be too large.</p> <p>This specification shall stay as it is. Since this is for microbiological use, we shall stick with natural convection to avoid contamination.</p>

4.0 Addendum

This Addendum No. 12 is issued to modify or amend items. This shall form as an integral part of the Bid Documents for Project 2021-30: Purchase of Assorted Laboratory Equipment and Instruments.

AMENDMENTS (Section VII. Technical Specifications)	FROM	TO
DISTILLING APPARATUS/ WATER PURIFIER	<ul style="list-style-type: none"> • Flow rate 12L/Hr • Reverse osmosis and deionization cartridge • Optional UV Lamp • Separate storage • Control: microprocessor • Mounting: Bench/ wall 	<ul style="list-style-type: none"> • Flow rate 12L – 15 L /Hr • Reverse osmosis and deionization cartridge • Optional UV Lamp • Separate storage • Mounting: Bench/ wall
HYGROMETER	<ul style="list-style-type: none"> • Temperature: -10°C to 50°C • Humidity: 10%RH to 90%RH • Clock: 12/24 hours, with alarm function • Power: 1.5V AAA single • Dimensions (WxLxT): 101x108x23 mm • Weight: 130 g (with battery) 	<ul style="list-style-type: none"> • Temperature: -10°C to 50°C • Humidity: 10%RH to 90%RH • Clock: 12/24 hours, with alarm function • Power: 1.5V
MICROSCOPE	<ul style="list-style-type: none"> • EyepiecesEyepiece (10x) Fiel Number (F.N.): 20 (anti-fungus) • Theory: Biological Microscope • Fine Adjustment RangeFine focus graduation: 2.5 l m • Focal Distance Focusing: Stage height movement (coarse movement stroke 20 mm) Fine focus graduation: 2.5 A m Meter (m) 	<ul style="list-style-type: none"> • EyepiecesEyepiece (10x) Fiel Number (F.N.): 20 (anti-fungus) • Theory: Biological Microscope • Fine Adjustment RangeFine focus graduation: 2.5 micrometer • Focal Distance Focusing: Stage height movement (coarse movement stroke 20 mm) Fine focus graduation:



	<ul style="list-style-type: none"> • Light Source: Halogen • Focus Range: 48-75 Millimeter (mm) • Dimensions: 154x238x391 (LxWxH) Millimeter (mm) • Eyepiece Tube Observation Tube 30A inclined binocular tube Interpupillary distance adjustment range 48a 75 mm • Drawtube Binocular • View Head Seidentopf observation head for individual choice of adjustment • Objective Achromatic: 4x, 10x, 40x, 100x • Interpupillary Distance: 48-75 Millimeter (mm) Eyepieces • Eyepiece (10x) Field Number (F.N.): 20 (anti-fungus) • Focusing: Stage height movement (coarse movement stroke 20 mm) Fine focus graduation: 2.5 A m Meter (m) • Illumination System: Built-in transmitted illumination system 6 V 20 W halogen bulb 100-240 V 50/60 Hz universal voltage • Coarse Adjustment Range: Coarse movement stroke 20 mm • Image Format: Optional Accessories: Micro image projection system • Working Stage: Wire movement mechanical fixed stage: 120x132 mm Travelling Range: 76 mm (X) x 30 mm (Y) Single specimen holder Square Centimeter (cm²) Condenser: Abbe type with aperture iris diaphragm N.A.: 1.25 	<ul style="list-style-type: none"> 2.5 A m Meter (m) • Light Source: Halogen • Focus Range: 48-75 Millimeter (mm) • Eyepiece Tube Observation Tube 30A inclined binocular tube Interpupillary distance adjustment range 48a 75 mm • Drawtube Binocular • View Head Seidentopf observation head for individual choice of adjustment • Objective Achromatic: 4x, 10x, 40x, 100x • Interpupillary Distance: 48-75 Millimeter (mm) Eyepieces • Eyepiece (10x) Field Number (F.N.): 20 (anti-fungus) • Focusing: Stage height movement (coarse movement stroke 20 mm) Fine focus graduation: 2.5 A m Meter (m) • Illumination System: Built-in transmitted illumination system 6 V 20 W halogen bulb 100-240 V 50/60 Hz universal voltage or 0.5 W LED • Coarse Adjustment Range: Coarse movement stroke 20 mm • Image Format: Optional Accessories: Micro image projection system • Working Stage: Wire movement mechanical fixed stage: 120x132 mm Travelling Range: 76 mm (X) x 30 mm (Y) Single specimen holder Square Centimeter (cm²) Condenser: Abbe type with aperture iris diaphragm N.A.: 1.25
<p>pH METER</p>	<ul style="list-style-type: none"> • Ph: -2.00 bis +20.00 Readability: 0.01 Accuracy: ± 0.01 mV -1800.0 to 1800.0 • mV: Readability 0.1 mV Accuracy ± 0.2 mV (0.05% if + 400 mV) • Temperature Range -5.0 to +105.0°C Readability 0.1°C Accuracy ± 0.2°C • Calibration points Maximum 3 buffers 	<ul style="list-style-type: none"> • Ph: -2.00 bis +20.00 Readability: 0.01 Accuracy: ± 0.01 mV -1800.0 to 1800.0 • mV: Readability 0.1 mV Accuracy ± 0.2 mV (0.05% if + 400 mV) • Temperature Range -5.0 to +100.0°C to +105.0°C Readability 0.1°C Accuracy ± 0.2°C • Calibration points Maximum 3



	<ul style="list-style-type: none"> • Automatic buffer recognition 16 buffers 2; 4; 7; 10; 12 1; 3; 6; 8; 10; 13 1.68; 4.0; 6.86; 9.18; 12.46 • Automatic temperature compensation • Automatic electrode slope correction between 90-105% of the theoretical slope Bench type 	<p>buffers</p> <ul style="list-style-type: none"> • Automatic buffer recognition 16 buffers 2; 4; 7; 10; 12 1; 3; 6; 8; 10; 13 1.68; 4.0; 6.86; 9.18; 12.46 • Automatic temperature compensation • Automatic electrode slope correction between 90-105% of the theoretical slope Bench type
ULTRAVIOLET GERMICIDAL LAMPS	254 NM	254 NM mounted
VORTEX MIXER	<ul style="list-style-type: none"> • Speed control: 20 – 3000rpm • Dimensions: 130 x 155 x 155 mm • Power: 220 VAC, 50/60 Hz • Weight: 3.1 kg 	<ul style="list-style-type: none"> • Speed control: 20 – 3000rpm • Dimensions: 130 x 155 x 155 mm ±30mm • Power: 220 VAC, 50/60 Hz
ANALYTICAL BALANCE	<ul style="list-style-type: none"> • Weighing capacity: 120 g • Readability: 0.1 mg • Tare range (subtractive): - 120 g • Repeatability: < ±0.1 mg • Linearity: < ±0.2 mg • Response Time: < 0.2 s • Operating Temperature Range: ±10 °C to +30 °C • Allowable ambient operating temperature: ±5 °C to +40 °C • Pan Size (inner diameter): 80 mm • Weighing chamber height: 232 mm 	<ul style="list-style-type: none"> • Weighing capacity: 120 g • Readability: 0.1 mg • Tare range (subtractive): - 120 g • Repeatability: < ±0.1 mg • Linearity: < ±0.2 mg • Response Time: < 0.2 s - < 0.3 s • Operating Temperature Range: ±10 °C to +30 °C • Allowable ambient operating temperature: ±5 °C to +40 °C • Pan Size (inner diameter): 80 mm • Weighing chamber height: 232 mm – 330 mm
BIOLOGICAL SAFETY CABINET	<ul style="list-style-type: none"> • Class II A2 • Negative pressure plenum surrounds contaminated positive pressure plenum; no fabric bags are used. Dual, long-life ULPA filters for supply and exhaust (per IEST-RP-CC001.3) with 99.999% efficiency for particle size between 0.1 to 0.3 microns. • Angled supply filter matches cabinet profile to achieve best down flow uniformity. • Quick start mode, to turn the blower and lights on/off, by moving the sash window to correct position. • Frameless sash that is easier to clean. 	<ul style="list-style-type: none"> • Class II A2 • Negative pressure plenum surrounds contaminated positive pressure plenum; no fabric bags are used. Dual, long-life ULPA / HEPA filters for supply and exhaust (per IEST-RP-CC001.3) with 99.999% efficiency for particle size between 0.1 to 0.3 microns. • Angled supply filter matches cabinet profile to achieve best down flow uniformity. • Quick start mode, to turn the blower and lights on/off, by moving the sash window to correct position. • Frameless sash that is easier



	<ul style="list-style-type: none"> • Ergonomically angled front • Actual work access height is 45 mm (1.8") higher than tested sash opening. • Raised airflow grille maintains safety by preventing blockage. • Enhanced side-capture zones optimize containment. • Work area is 0.9 meter (3") cabinet is equivalent to work area offered on larger 1.2 meter (4") conventional cabinet. 	<p>to clean.</p> <ul style="list-style-type: none"> • Ergonomically angled front • Actual work access height is approximately 45 mm (1.8") higher than tested sash opening. • Raised airflow grille maintains safety by preventing blockage. • Enhanced side-capture zones optimize containment. • Work area is 0.9 meter (3") cabinet is equivalent to work area offered on larger 1.2 meter (4") conventional cabinet.
DIGITAL TOP LOADING BALANCE	<ul style="list-style-type: none"> • Weighing Capacity: 6kg • Scale Type: Precision • Resolution: 0.1 g • Weigh pan Diameter: 150mm • Net Weight: 0.75kg • Maximum Operating Temperature: +35 °C • Minimum Operating Temperature: +5 °C 	<ul style="list-style-type: none"> • Weighing Capacity: 6kg • Scale Type: Precision • Resolution: 0.1 g • Maximum Operating Temperature: +35 °C • Minimum Operating Temperature: +5 °C
HOT AIR OVEN STERILIZER	<ul style="list-style-type: none"> • Capacity: 115L • Temperature Range: +5 to +300 °C • Controller with LCD Display • 645 mm x 834 mm x 702 mm • Electromechanical control of the exhaust air flap • 2 chrome-plated racks • Stackable • Class 2 integrated independent adjustable temperature safety device (DIN 12880) with visual alarm • Ergonomic handle design • USB port for recording data 	<ul style="list-style-type: none"> • Capacity: 115L • Temperature Range: +5 to +300 °C • Controller with LCD Display • Electromechanical control of the exhaust air flap • 2 chrome-plated racks • Stackable • Class 2 integrated independent adjustable temperature safety device (DIN 12880) with visual alarm • Ergonomic handle design • USB / RS232 port for recording data
HOTPLATE WITH MAGNETIC STIRRER	<ul style="list-style-type: none"> • Stirring Capacity: 2L • Stirring Speed: 60-1500 RPM • Electronic Solid State Controller • Ceramic coated stainless steel top plate • Plate Dimension: 180 180 mm • Overall Dimension: 205 x 260 x 110 mm • Power consumption: Max 500 watt 3.0 amp • Electric Supply: 110V, 60 Hz or 220V, 50/60 Hz 	<ul style="list-style-type: none"> • Stirring Capacity: 2L • Stirring Speed: 60-1500 RPM • Electronic Solid State Controller • Ceramic coated stainless steel top plate • Power consumption: Max 500 watt 3.0 amp • Electric Supply: 110V, 60 Hz or 220V, 50/60 Hz
INCUBATOR	<ul style="list-style-type: none"> • Temperature range: +5 °C above ambient temperature to +100 °C 	<ul style="list-style-type: none"> • Temperature range: +5 °C above ambient temperature to +100 °C



	<ul style="list-style-type: none"> • 240-260L Capacity • Natural convection • Controller with LCD Display • Electromechanical control of the exhaust air flap • Inner door made of tempered safety glass • 2 chrome-plated racks • Stackable • Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm • Ergonomic handle design • USB port for recording data 	<ul style="list-style-type: none"> • 240-260L Capacity • Natural convection • Controller with LCD Display • Electromechanical control of the exhaust air flap • Inner door made of tempered safety glass • 2 chrome-plated racks / ABS-plated racks • Stackable • Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm • Ergonomic handle design • USB / RS232 port for recording data
WATER BATH	<ul style="list-style-type: none"> • With stainless steel casing • Volume: 45L • Liquid Level Min. : 177 mm • Liquid Level Max. : 200 mm • Setting temperature range: +10 - 95°C and boiling range • With integrated digital timer • Interior Dimensions W x H x D in mm: w(A) x h(C) x d(B): 590 x 220 x 350 mm • Voltage 230 V, 50/60 Hz • Electrical Load approx. 2800 W *(during heating) • Temperature sensor: 1 Pt100 sensor class A in 4-wire-circuit • Timer integrated digital timer from 1 min. to 99,59 hours for: ON continuous operation WAIT (delayed on for continuous and limited timed operation (HOLD)) • Heating Baths: corrosion-proof large-area heating on three sides • Ambient temperature +5 °C to + 40 °C • Humidity rh max. 80%, non-condensing 	<ul style="list-style-type: none"> • With stainless steel casing • Volume: 45L • Liquid Level Min. : approximately 177 mm • Liquid Level Max. : approximately 200 mm • Setting temperature range: +10 - 95°C and boiling range • With integrated digital timer • Voltage 230 V, 50/60 Hz • Electrical Load approx. 2800 W *(during heating) • Temperature sensor: 1 Pt100 sensor class A in 4-wire-circuit • Timer integrated digital timer from 1 min. to 99,59 hours for: ON continuous operation WAIT (delayed on for continuous and limited timed operation (HOLD)) • Heating Baths: corrosion-proof large-area heating on three sides • Ambient temperature +5 °C to + 40 °C • Humidity rh max. 80%, non-condensing

5.0 Adjournment

There having no other remaining topic to be discussed, the Pre-Bid Conference was adjourned at 4:30pm.



Prepared by:

MIRA JEAN G. FUENTES
BAC Secretary

Checked by:

AGNES P. TAMPICO, MPA
Head, BAC Secretariat

Reviewed by:

MA. RITA B. BARRIESES, RMT
Technical Working Group

ENGR. MICHAEL GABALES
Head, TWG

VIENNA MARIE ECHALAR
Technical Working Group, MSU-GSC

CHENNY ROSE RODRIGUEZ
Technical Working Group, MSU-GSC

EDWARD LAPONG
Technical Working Group, MSU-GSC

Attested and approved by:

FERDINAND S. FERRER, MPA
BAC Chairperson

In conformity with the Bids and Awards Committee:

ENGR. ROGELIO A. BESANA, JR.
Vice Chairperson

ENGR. CORNELIO T. TURIJA, JR.
BAC Member

SAMCELLE B. VALENZUELA
BAC Member

MARITES P. PRIMAYLON
BAC Member



Republic of the Philippines
GENERAL SANTOS CITY WATER DISTRICT
E. Fernandez St., Brgy. Lagao, General Santos City
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GPM-032-2