



**BIDS AND AWARDS COMMITTEE I**

**Supplemental/Bid Bulletin No. 1**

**SUPPLY AND DELIVERY OF THREE (3) UNITS BRAND NEW FULLY AUTOMATED BLOOD CHEMISTRY ANALYZER AND ONE (1) UNIT BRAND NEW FULLY AUTOMATED CROSS MATCHING ANALYZER FOR THE PHILIPPINE ARMY (PA)**

**Bid Reference No. MPG-BI-2019-160**

This **Supplemental/Bid Bulletin No. 1** is being issued to amend some provisions of the Bidding Documents and response to queries raised by suppliers during the Pre-Bid Conference on 18 July 2019 and through letters/email for the aforesaid project.

**A) NEW SCHEDULE FOR THE SUBMISSION AND OPENING OF BIDS**

**13 August 2019; 2:00PM**

**B) REPLY TO QUERIES**

<b>Queries from GENESIS TRANSUNITED, INC.</b>		
<b>PA Technical Specification</b>	<b>Genesis Transunited Inc. clarifications on the Technical Specification</b>	<b>Response</b>
<b>Item 1. Brand New Fully Automated Blood Chemistry Analyzer</b>		
<b>Available Test Menu:</b> a. General Chemistry - BUN, Crea, Bilirubin, Total Cholesterol, HDL, LDL, VLDL, Triglycerides, Glucose, Uric Acid, Urea, Albumin, Total Protein, HBa1c b. Electrolytes - K, Na, Cl, Ca, Mg, P, Fe c. Enzymes - ALT, AST, ALP, LDH, CK-MB, amylase, lipase d. Immunoglobulin e. Drug Assay	a. General Chemistry - BUN, Crea, Bilirubin, Total Cholesterol, HDL, LDL, VLDL, Triglycerides, Glucose, Uric Acid, Urea, Albumin, Total Protein, HBa1c b. Enzymes - ALT, ASP, ALP, LDH, CK-MB, amylase, lipase	Request denied.
<b>Throughput capacity</b> a. Minimum 600 test/hour b. ISE test (350-400 test) c. With continuous loading facility	a. Minimum 100 test/hour c. with continuous loading facility d. STAT sample capable	Request denied.



<p>Sample</p> <p>a. Volume: 1-100<math>\mu</math>L, step by 0.1 <math>\mu</math>L</p> <p>b. Type: Serum, Plasma, Urine, CSF, hemelysate &amp; whole blood</p>	<p>a. 50 positions</p> <p>b. Primary or sample cups</p>	Request denied.
<p>Reagents:</p> <p>a. Capacity: 30-80 reagent positions, holds maximum 50 bottles</p> <p>b. Volume: 10-1000 <math>\mu</math>L</p> <p>c. Storage Temp: 2-10<math>^{\circ}</math>C</p> <p>d. Multi-reagent facility</p>	<p>a. Capacity: 30-80 reagent positions, holds maximum 50 bottles</p> <p>b. Reagent bottles: 30mL</p> <p>c. Reaction cuvettes: 90 Bionex cuvettes</p> <p>d. No additional cleaning reagents</p>	Request denied.
<p>Display:</p> <p>a. Real time monitoring of reagent residual volume</p> <p>b. Running status of reagent tray</p> <p>c. Samples tray</p>	<p>a. Reagent inventory</p> <p>b. Running status of reagent tray</p> <p>c. L-J chart for QC</p>	Request denied.
<p>Measuring Mode:</p> <p>a. Kinetics</p> <p>b. End point</p> <p>c. Fixed time</p> <p>d. Absorbance</p> <p>e. Multi-Standard</p> <p>f. Double Wavelength</p>	<p>a. Kinetics</p> <p>b. End point</p> <p>c. Fixed time</p> <p>d. Differential</p> <p>e. Mono measurement</p> <p>f. Bichromatic measurement</p>	Request denied.
<p>Thermal printer:</p> <p>Built-in for printout</p>	External Printer capable	Request denied.
<p>Calibration:</p> <p>a. Long on-board stability and calibration stability</p> <p>b. Barcoded reagents with multi-calibrator</p> <p>c. Independent calibration of photometer and electrolyte analysis</p>	<p>a. Long on-board stability and calibration stability</p> <p>b. Barcoded reagents with multi-calibrator</p>	Request denied.
<p>Power supply</p> <p>a. AC 220 – 240 V</p> <p>b. Voltage corrector / stabilizer (per unit)</p> <p>c. Suitable UPS with maintenance free batteries for minimum one-hour back-up (per unit)</p>	<p>a. Minimum 110V and maximum of 240V</p> <p>c. Suitable UPS with maintenance free batteries for minimum one-hour back-up (per unit)</p>	Request denied.
<p>Are start-up reagents included in the Approved Budget for the Contract? Or if awarded, the Purchase of Reagents for the Machine has a separate Budget?</p>		<p>Yes, it is included. One (1) set of reagent per test (Sugar, BUA, BUN, Crea, Total Cholesterol, TG, OT, PT) as the start-up reagents and calibrator / controls for training purposes (Trial Kit)</p>



Item 2. Brand New Fully Automated Cross Matching Analyzer		
Test menu: a. Blood grouping 1. ABO+RhD Blood Grouping 2. Reverse Grouping 3. Kell Blood Grouping (K) b. Cross matching c. Platelet Antibody Crossmatch d. Anti-Human Globulin (AHG) Crossmatch e. Antibody Screening / Identification f. Rh phenotyping g. Weak D Testing h. Direct Antiglobulin Testing (DAT) i. Auto control j. Antigen Screening k. Cytomegalovirus (CMV) Antibody Screening	a. Blood Grouping 1. ABO+RhD Blood Grouping 2. Reverse Grouping b. Cross matching c. Platelet antibody d. Anti-human Globulin (AHG) Crossmatch e. Antibody Screening / Identification f. Direct Anti globulin Testing (DAT) g. Auto Control	Request denied
Placement Barcode Reader: a. Floor Standing b. Laser bar code reader	a. Table top b. (ar) Card reader	Request denied.
Sample / Reagent Dispensing (Pipettor) unit: a. One (1) probe for reagents b. Four (4) probes for samples c. Teflon coated running status of reagent	Not applicable	Request denied.
Sample test Processing: a. Continuous b. Random c. STAT access d. Batch	Not applicable	Request denied.
Capacity: a. 30-40 samples b. 10 cassettes per centrifuges x 1-2 centrifuge	a. 20-40 samples b. 24 cards per centrifuge	Request denied.
Loading capacity: a. Reagent: max 33 vials (3mL each) of 14-10 vials (10mL each) b. Plate / Card - 15-32 strips - 256-1440 wells	Not applicable	Request denied.
Reagent Red Cell Suspension: Vials can be places in any of the reagent lanes barcoded reagents with multi-calibrator	Not applicable	Request denied.
Centrifuges: a. 1-3 centrifuges b. 12 cards capacity each	a. 24 cards capacity b. 880 rpm c. 10 mins per batch	Request denied.



Centrifugation time: a. 1000 – 1008 rpm b. 1.5 – 3 minutes	Not applicable	Request denied.
Total Speed: 22-88 samples per hour	<30 mins per batch	Request denied.
Primary Components: Analyzer: - Two (2) computers - Integrated adjustable touch screen monitor with keyboard - IH-Cam software - Hand-held barcode reader - Printer - Smartcard reader for user identification	- Integrated adjustable touch screen monitor with keyboard - Printer	Request denied.
System Computer and Interface Specifications: a. Windows 7 b. Bidirectional protocols for a Laboratory Information System (LIS) c. ASTM protocol configurable to 1 of 3 options (Basic, Enhanced, or Vision) d. Remote Review Capable	a. Windows 10 b. LIS / HIS ready c. Remote Review Capable	Request denied.
Communication Ports: a. 1 DB-9 serial port (RS-232 port for LIS support) b. 5V 2.0 / V1.1 USB ports	a. 1 DB-9 serial port (RS-232 port for LIS support)	Request denied.
Are start-up reagents included in the Approved Budget for the Contract? Or if awarded, the Purchase of Reagents for the Machine has a separate Budget?		Yes, it is included, one (1) set of reagent per test as the start-up reagents and calibrator/controls for training purpose (Trial Kit)



Queries from GRET MARKETING INC.		
Item 1. Brand New Fully Automated Blood Chemistry Analyzer		
Available Test Menu: a. General Chemistry - BUN, Crea, Bilirubin, Total Cholesterol, HDL, LDL, VLDL, Triglycerides, Glucose, Uric Acid, Urea, Albumin, Total Protein, HbA1c b. Electrolytes - K, Na, Cl, Ca, Mg, P, Fe c. Enzymes - ALT, AST, ALP, LDH, CK-MB, amylase, lipase d. Immunoglobulin e. Drug Assay	a. General Chemistry - BUN, Crea, Bilirubin, Total Cholesterol, HDL, LDL, VLDL, Triglycerides, Glucose, Uric Acid, Urea, Albumin, Total Protein, Hba1c b. Electrolytes - K, Na, Cl, Ca, Mg, P, Fe c. Enzymes - ALT, AST, ALP, LDH, CK-MB, Amylase, Lipase d. Immunoglobulin e. Drug Assay	Request denied.
Throughput capacity a. Minimum 600 test/hour b. ISE test (350-400 test) c. With continuous loading facility	a. Combined maximum capacity of 450 test / hour b. ISE test: 180 test / hour c. Sample interruption for addition of samples	Request denied.
Sample a. Volume: 1-100µL, step by 0.1 µL b. Type: Serum, Plasma, Urine, CSF, hemelysate & whole blood	a. Volume: 1.5-35µL, step by 0.1 µL b. Type: Serum, Plasma, Urine, Supernatants & whole blood	Request denied.
Reagents: a. Capacity: 30-80 reagent positions, holds maximum 50 bottles b. Volume: 10-1000 µL c. Storage Temp: 2-10°C d. Multi-reagent facility	a. Capacity: 50 positions / bottles b. Volume: 20 - 250 µL c. Storage Temp: 8-15°C d. Multi-reagent facility	Request denied.
Reagent System: Open system	Barcode reagent identification	Request denied.
Display: a. Real time monitoring of reagent residual volume b. Running status of reagent tray c. Samples tray	a. Real time monitoring of reagent volume b. Alert for shortage or expired reagents c. Samples tray monitoring	Request denied.
Data Storage: a. 100,000 – 1,000,000 tests b. Automatic store and copy c. No time and volume limit d. Online data transmission facility through LAN to the Computer Network	a. Storage of 30,000 patient reports, search facility b. Automatic store and copy c. Online data transmission facility through LAN to the Computer Network	Request denied.



Cross Contamination Rate: ≤ 2%	Request to be deleted	Request denied.
Measuring Mode: a. Kinetics b. End point c. Fixed time d. Absorbance e. Multi-Standard f. Double Wavelength	a. Kinetic b. End point c. Monochromatic d. Sample and reagent blanking e. ISE bi-chromatic	Request denied.
Thermal printer: Built-in for printout	External Laser Printer	Request denied.
Calibration: a. Long on-board stability and calibration stability b. Barcoded reagents with multi-calibrator c. Independent calibration of photometer and electrolyte analysis	a. Calibration options: Factor, Linear, Point to point, Log-logit, Exponential, Spline and Spline 2 b. Barcoded reagents with multi-calibrator c. Independent calibration of photometer and electrolyte analysis	Request denied.
Power supply a. AC 220 – 240 V b. Voltage corrector / stabilizer (per unit) c. Suitable UPS with maintenance free batteries for minimum one-hour back-up (per unit)	a. AC 200 to 230 V, 3.3A (max) 50/60Hz b. Power consumption: 650VA c. Permissible voltage variation: ±10% (max)	Request denied.
Accessories per unit: a. Deionizer; with suitable water output capacity b. Trial kits for various parameters, multi-calibrators and multi-controls (1 set) c. Complete installation of the system including water input and drainage system	a. Water consumption: maximum 5 liters per hour b. Water requirement: NCCLS type 1 and 2 purified water supply	Request denied.

Please submit together with all other required documents for the Submission and Opening of Bids scheduled on 13 August 2019, 2:00PM.

This Supplemental/Bid Bulletin 1 shall form part of the Bidding Documents. Any provisions in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly.



For guidance and information of all concerned.

Issued this 6<sup>th</sup> day of August 2019 in Makati City.

Reviewed and Approved by:

**CHRISTABELLE P. EBRIEGA**  
Chairperson, Bids and Awards Committee – I

**ATTY. MARIA GUDELIA C. GUESE**  
Vice Chairperson

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**Concurred by:**

**BGEN GLENN CRUZ AFP**  
Alternate Provisional Member- PA

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