



Republic of the Philippines
Department of Health
Regional Office No. XI
SOUTHERN PHILIPPINES MEDICAL CENTER
J.P. Laurel Avenue, Davao City



TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

(Name of Project)

Instructions:

Bidders must state in the column under **Statement of Compliance** the word either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a) (ii) and/or **GCC** Clause 2.1(a) (ii).

Bidder may submit offer which provides for superior specifications and /or better terms and conditions to the government at no extra cost. However, these shall not be given any bonus, credit or premium in the bid evaluation

Prepared by Technical Working Group

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u>	<ul style="list-style-type: none">• <u>ONE (1) UNIT HUMAN LEUKOCYTE ANTIGEN (HLA) TYPING AND CROSS MATCHING ANALYZER</u><ol style="list-style-type: none">1. Multiplexing analyzer with Luminex technology for measuring multiple proteins with high throughput and high sensitivity2. Protein and nucleic acid capability; with analyzer capability of up to 500 analytes in a single sample3. Magnetic and original polystyrene bead capability4. Easy to use data acquisition software5. Sample uptake volume: 100-200ul6. Reporter Detector: 565-585 nm7. Classification Laser: at least 638 nm8. Reporter Laser: at least 532 nm9. Compatible assay: LAB Type SSO, LABType HD, LAB Type CWD, LABTypeXR, and LABScreen		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u>	<p>10. One (1) unit computer system and Exponent 4.2 software</p> <ul style="list-style-type: none">○ Form Factor: All-in-One○ Processor: 8th Gen Intel Core i5 minimum 2.8Ghz based○ Operating System: Windows 10 Pro 64bit○ Apps: MS Office 2019 Home & Business 64bit○ Memory: 8GB DDR4 SO-DIMM○ Storage: 1 TB 7200RPM○ Input Devices: Wired Keyboard and mouse○ Display: 23.8" or higher LED Monitor○ Built-in Webcam○ UPS: 350Watts/650VA Branded○ Integrated Wireless LAN 802.11 b/g/n/ac○ Connectivity:<ul style="list-style-type: none">- Gigabit Ethernet- USB 3.0 Ports- USB 2.0 Ports- HDMI Port		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<p>11. Temperature accuracy: +/- 0.25 degree centigrade (35 degree centigrade to 99.9 degree centigrade)</p> <p>12. Temperature range : 0 degree centigrade to 100.0 degree centigrade</p> <p>13. Temperature uniformity: <0.5 degree centigrade (20 seconds after reaching 95 degree centigrade)</p> <p>14. PCR volume range: 10-100 µL</p> <p>15. Instrument memory: USB and onboard memory; onboard capacity > 500 protocols</p> <p>16. TM calculator: Menu driven through touch screen</p> <p>17. Power: 220-240VAC, 60 Hz</p> <p>18. VeriFlex blocks range: 25 degree centigrade (5 degree centigrade zone to zone)</p> <p>19. Uninterruptible Power Supply: at least 150% of the power capacity of the equipment</p>		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<ul style="list-style-type: none">• <u>ONE (1) UNIT ELECTROPHORESIS GEL SYSTEM</u><ol style="list-style-type: none">1. One (1) unit 12 Megapixel digital camera with improved high sensitivity CCD sensor and processor2. Image visualized within a large TFT color monitor, at least 8"3. Light weight compact hood4. Computer free operation5. Single door -50 to -80C• <u>ONE (1) UNIT ULTRA LOW TEMPERATURE FREEZER</u><ol style="list-style-type: none">1. Automatic voltage compensation2. Microprocessor controller with LCD touch screen display3. RS- 485 remote monitoring4. USB data output and download5. CFC/ HCFC free refrigerants and insulation6. Two stages refrigeration cascaded system		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<ul style="list-style-type: none">• <u>ONE (1) UNIT BIOLOGICAL SAFETY CABINET</u><ol style="list-style-type: none">1. Control System : Sentinel Silver Micro processor controller2. Airflow monitoring: Accurate airflow velocity display (inflow and down flow)3. Alarms: Audible and Visual Alarms for unsafe airflow and said position, UV lamp interlock with sash position.4. Filtration: 99.95% at 0.1 to 0.3 micron (H14)5. Flourescent Lamp/LED: at least 1452 lux6. Construction: raised armrest for operator convenience, stainless steel side walls, external surfaces7. Power supply: 220-240 V, 60 Hz		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<ul style="list-style-type: none"> • <u>ONE (1) UNIT INVERTED FLOURESCENSE PHASE CONTRAST MICROSCOPE</u> <ol style="list-style-type: none"> 1. Nine brightfield powers and six phase contrast settings 2. Color corrected infinity optical system (CSIS) w/ Plan optics 3. 30W wide band voltage Kohler illumination 4. 1.3MP or USB 2.0 low-light digital camera for photos and videos on Windows, Mac 5. Advanced editing & measuring latest software for Windows XP/Vista/7/8/10 6. Transmitted Illumination <ul style="list-style-type: none"> - 90-240V wide voltage power supply - 6V/30W Halogen bulb/LED - Pre-centered - Adjustable brightness - Super large working distance condenser - NA: at least 0.3 - WD: at least 72mm 7. Reflected fluorescence illumination: G filter blocks, with centering view field diaphragm and sliding filter preventing board 8. Fluorescence power supply: 220-240VA, 60 Hz 9. Light house dimensions: 236 mm (L) x 134 mm (W) x 156 mm (H) 		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<ul style="list-style-type: none">• <u>ONE (1) UNIT THERMAL CYCLER</u><ol style="list-style-type: none">1. 96 wells Sample capacity<ul style="list-style-type: none">- 0.1 ml block : 10-30ul- 0.2 ml block : 10-100 ul2. Bright Light LED excitation source3. 6 coupled filter optical detection4. Up to 6 targets multiplexing5. Peltier heating /cooling method6. 6 Veriflex Zone temperature function7. Max block ramp rate - 0.2 block : 6.5 degree/sec; 0.1 ml block: 9.0 degree Centigrade/sec8. Temperature uniformity: - 0.49. Temperature accuracy: 0.25 degree centigrade /sec10. Run time: <30 minutes11. Dye compatibility: FAM/SYBR green, VIV, JOE/TET,ABY/NED/TAM RA/Cy3, JUN.ROX/Texas red, Mustang purple, Cy5/LIZ Cy5.5		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u> <i>(continuation)</i>	12. Detect difference as small as 1.5 fold in target quantities in single flex reaction 13. Fast/Standard chemistry capabilities 14. Feature to assist with 21 CFR part 11 compliance 15. Includes : <ul style="list-style-type: none">- RNase P instrument Verification Plate- Starter Kit- Compatible computer set- Software		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u> <i>(continuation)</i>	Other terms & conditions of acceptability: 1. The equipment must be BRAND-NEW and under warranty including spare parts for at least 2 years. Supplier must bind itself to conduct preventive maintenance on a quarterly basis at its own expense (including labor and cost of spare parts). 2. All machines must be manufactured by a known and reputable company compliant with ISO or its equivalent for equipment only. 3. The equipment / machine must be able to comply with its installation and operation qualification which would be conducted in the presence of SPMC Biomedical Technician, End-user and the Company Engineer. 4. In line with the ISO standard requirement, the supplier's engineer or technical personnel must be capable of conducting annual calibration and the issuance of certificate for the said calibration based on the following data: a. Reference standards b. National Institute of Standards and Technology traceability c. Reference values d. Validity period e. Uncertainty of measurement		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<p>5. Supplier must comply with the following conditions:</p> <ul style="list-style-type: none"> a. Must be the exclusive or authorized distributor of the principal company of the equipment and the necessary consumables in the Philippines. b. Submit Certificate of Training of the Company Engineer / Technical Personnel and Product Specialist issued by the Principal or Manufacturer. c. Provide company response within 24 – 48 hours in case of technical problems or equipment breakdown. d. In case of machine downtime, the supplier is given three (3) days for remedial action (repair and or replacement of spare parts). On the 4th day, if the unit is not operational, a back-up machine shall be provided within the warranty period. The supplier will be given 14 days to comply in providing back up machine. A penalty will be imposed after the 14th day amounting to the average daily income of the machine. This is to cover for the income loss. <p>6. Supplier must guarantee the following:</p> <ul style="list-style-type: none"> a. To have service engineer or technical personnel based in Davao City or Mindanao. b. To provide 24hours/day and 7days/week service support for emergency calls. c. To provide a substitute technical personnel and/or specialist in cases where the assigned service engineer is out of town. 		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<p><u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u></p> <p><i>(continuation)</i></p>	<p>6. The Supplier must submit the following:</p> <ul style="list-style-type: none"> a. Three (3) copies of the Operating and Service Manuals in English during the delivery of the equipment. b. Notarized Certificate of availability of spare parts for the next ten (10) years. c. Notarized Certificate of availability of consumables for the next ten (10) years. d. Material safety data sheet (MSDS) as applicable. <p>7. Cost of damages on the existing facility that will be incurred during delivery and installation of all equipment will be shouldered by the supplier.</p> <p>8. The winning bidder must provide and maintain all the necessary computer hardware and the necessary computer accessories, as required.</p>		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u> <i>(continuation)</i>	<p>9. The principal in coordination with the supplier must provide a comprehensive certification training program preferably onsite for the end-users and biomedical technician without additional cost to the procuring entity. Supplier must submit a comprehensive training module as part of the technical specification which covers product orientation, hands-on training and troubleshooting. The said training must be conducted by a certified product specialist. The module should indicate the following:</p> <ul style="list-style-type: none">- The objectives of the training- The methods or activities that shall be done during the training- The training outline that indicates the concepts and/or skills to be discussed/ taught.- The target participants of the training- The activity schedule indicating the no. of days or hours		

Name and Signature of Authorized Representative

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT

Name of Project

The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>SUPPLY, DELIVERY, AND INSTALLATION OF ONE (1) LOT BRAND NEW HLA TYPING AND CROSSMATCHING ANALYZER, THERMAL CYCLER, AND OTHER EQUIPMENT</u> <i>(continuation)</i>	<p>10. The winning supplier shall shoulder the necessary enhancement of the existing working area for the installation of the above-mentioned equipment.</p> <p>11. The supplier must provide one (1) unit Automated CLIA Immuno analyzer table top, with 100 test/hour through put capable of testing Tacrolimus, Cyclosporine and other drug monitoring test, and must provide starter reagent, calibrators and controls .</p> <p>12. The Southern Philippines Medical Center has the right to terminate the contract for any violation in the terms and conditions stated in the technical specification and other reasons as stated in the General Conditions of the Contract (GCC).</p>		

The Bidder may submit offer which provides for superior specifications and/or better terms and conditions to the government at no extra cost. However, these shall not be given any bonus, credit or premium in the bid evaluation.

Name and Signature of Authorized Representative