



REPUBLIC OF THE PHILIPPINES  
 Department of Health  
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**BIDS AND AWARDS COMMITTEE**

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**SECTION VII**  
**Technical Specifications**  
**IB No. E-003-2024-PB**

**INSTRUCTION:** Bidders must state here 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” or “Not 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).

Item	Specification	Statement of Compliance	Supporting Documents for the Statement of Compliance <i>(IF APPLICABLE)</i>
<b>1</b>	Supply, Delivery, Installation, Testing Commissioning of a Brand-New Ultra Low Freezer, -80 C		
	<b>SPECIFICATIONS:</b>		
	1. Capacity: at least 18 cubic feet		
	2. Temperature range: -40°C to -86°C		
	3. Temperature Chart Recorder		
	4. Alarm system: High/Low temperature, sensor alarm		
	5. Door: 1-door, self-closing, safety lock, with door handle		
	6. At least 3 shelves		
	7. Type: Upright		

8. Heavy Duty compressor, HFC refrigerant/ CFC Free		
9. Caster wheels with lock		
10. With LED light		
11. Must come with an AVR at least 5000VA		
12. The unit will be operated at 220 volts, 60hz		
<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Blood Bank Refrigerator 120 blood bag capacity</b>		
1. Alarm and Safety Function		
-Audible and flashing LED visual alarms		
- Door alarm and key lock are standard feature		
- Built in temperature recorder		
2. Stable temperature control		
3. Effective Capacity: at least 302 liter (10.7 cu ft) which equivalent to 120 bags or higher		
4. Exterior and interior Cabinet: Galvanized steel with baked-on finish		
5. Outer Door: Insulated Steel frame with double layer glass windows		
6. Drawers: at least 5 stainless steels roll out drawers		
7. Caster wheels with lock		
<b>8. Compressor: 150W hermetically sealed</b>		
9. Refrigerant: HFC		
10. Temperature: 4C (+/- 1.5C)		
11. Air Circulation: Forced circulation		
12. Temperature control: Microprocessor control		
13. Temperature alarm: High (6C), low (2C) Audible and visual alarm		
14. Power Failure Alarm: Audible and visual alarm		

15. Lighting: 12-15W fluorescent lamp/LED		
16. The unit will be operated at 220-240volts		
17. Must come with an AVR: 2000KVA		
<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Plasma Thawer</b>		
1. Thaws FFP bags and warms blood, erythrocyte concentrates (EC), cryopreserved preparation, cryopreserved stem cells (HPC) and infusion solutions		
2. Thaws at least 4 bags at a time		
3. Heating element not in direct contact to bags		
4. Leak detection sensors- no risk of contamination or infection		
5. User programmable modes		
6. Large display LCD display.		
7. With cushions conforms to bags		
8. Adjustable temperature range from 37C to 45C		
9. Visual and acoustic signal after heating duration is complete or in case of error		
10. Power supply: 220-240V; 60Hz		
<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Platelet Agitator with incubator</b>		
1. Refrigeration & precision pulse heating for achieving 22°C (± 1°C)		
2. Forced-air circulation for temperature uniformity		
3. Powder coated exterior with high-grade stainless-steel interior		
4. LCD display of temperature, real date, real time, temperature histogram etc.		
5. Auto stop / start feature pauses agitation when incubator door is opened		
6. Intuitive thermostat to prevent temperature fluctuations in additional to microprocessor controller		
7. Swivel lockable castors with floor standing jacks		
8. Triple pane tempered glass door agitator		

9. Built in stopper prevents accidental drawing out		
10. Each drawer can be operated independently from other drawers		
11. Motor cooling done by fan (cooler)		
12. Capacity: 60 bags		
13. Power supply: 220V		
14. Back up battery in case of power failure		
15. Monitor and printer for weekly printout		
<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Blood Bag Mixer</b>		
1. Linear and 3d mixing with central support		
2. Weighing range: 0-990ml.		
3. Alarm type: Automatic low and high flow alarm, adjustable.		
4. Adjustable maximum donation time: Up to 20 minutes.		
5. Protocols: Up to 20 different working programs.		
6. Built-in memory: More than 1000 collection procedure data		
7. Automatic clamping module		
<b>ITEMS NO. 1 to 5 UNDER LOT BIDDING. The winning bidder shall provide 2 units of blood extraction chair for general laboratory phlebotomy use and 2 units blood bag tube stripper with the following specifications:</b>		
<b>Blood extraction chair:</b>		
1. Stainless steel tubular frame		
2. With built in stainless drawer with at least one (1) layer		
3. Upholstered cushion (Polyurethane material)		
4. Adjustable armrest (swing-out)		
<b>Blood bag tube stripper:</b>		
1. Spring loaded handle		

	2. Easy grip handle		
	3. Capable of sealing clip and cutting tubes		
2	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Blood Donor Chair</b>		
	1. With optional apparatus tray and adjustable IV stand		
	2. Adjustable headrest		
	3. Quick fold arm rest		
	4. With one-touch rocker switch enabling quick donor's head lowering (Trendelenburg position)		
	5. Fiber reinforced plastic base		
	6. Four caster wheels		
3	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Hemoglobinometer</b>		
	1. Compact and lightweight		
	2. Portable		
	3. With digital display		
	4. Finger prick, spot testing analyzer with micro cuvette technology		
	5. Should have LED/LCD display of hemoglobin in g/l or g/dl		
	6. Instrument should be able to work in hot climate up to 45 degrees Celsius		
	7. The winning bidder shall provide startup kits for at least 50 tests		
4	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Agglutination viewer</b>		
	1. Designed for use in blood typing, crossmatching, prothrombin time, kahn and other agglutination, flocculation, and serodiagnosis test.		
	2. Illuminates test tube contents through the use of an 8-watt bulb from above and a magnifying mirror from below.		
	3. Flexible neck allows for easy manipulation of light source.		
	4. Include Bulb, magnifying mirror, Flexible mirror, side mounted on/off switch, flexible neck, mainly operator.		

	5. Hertz : 50/60Hz		
	6. Voltage : 220v		
	7. Weight : 3kg		
	8. Amps : 36Ma		
	9. Temperature : 18C to 33C		
5	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Clinical Centrifuge, table top, 24 placer</b>		
	1. 24 placer		
	2. Adjustable RPM from 500-4000		
	3. Max. RCF: 2500×g		
	4. Speed Accuracy: ±100rpm		
	5. Swing-out and fixed-angle rotor options		
	6. Lid lock protection		
	7. Brushless DC motor		
	8. Large LCD display		
	9. Safety Device: Automatic internal, Diagnosis		
	10. Power: Single phase, 100V-240V, 50Hz/60Hz		
6	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Multiplex PCR system capable of panel testing</b>		
	1. Molecular Multiplex PCR Machine		
	2. Capable of running Pneumonia, blood culture, meningitis, gastrointestinal, respiratory and joint infection panels Respiratory panel: Can detect Chlamydia pneumonia. Meningitis Panel: Can detect Cytomegalovirus (CMV) Pneumonia Panel: Can run sputum/ETA/BAL samples, includes detection of AMR genes Blood Culture: Includes detection of yeast, includes detection of AMR genes.		
	3. Panels are FDA approved.		

	4. Integrates sample preparation, nucleic acid extraction, amplification, and detection in 60 minutes testing time.		
	5. Can detect bacteria, viruses, yeasts and antimicrobial resistant genes.		
	6. LIS ready		
7	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Cartridge Based PCR Analyzer</b>		
	1. Cartridge Based Nucleic Acid Amplification Test		
	2. Real- Time PCR technology integrating sample preparation, amplification and detection		
	3. Small foot-print and can be used as point-of-care equipment		
	4. Detect an expanded number of genetic targets (microbes, antimicrobial resistance genes, disease loci, oncogenes) and capable to run and simultaneously detects MTB' complex and extensive drug resistance associated mutations, HIV viral load, HPV Genotype, CT/NG, BCR-ABL, MRSA, Sars CoV-2, Flu, etc.		
	5. Unit/System with 4 indepently controlled reaction sites		
	6. Solid state heater and forces-air cooling at each site		
	7. Interoperability with existing cartridge-based PCR machine		
	8. Reaction chamber thermistors calibrated using National Institute of Standards and Technology (NIST) traceable standards		
	9. With Desktop/Computer System		
	10. With Barcode Scanner for Cartridge and/or Sample ID		
	11. Power supply: 100-240 V (Auto volt): 50-60Hz: Single phase		
	12. With UPS compatible with the unit		
8	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Incubator, Microbiological/General Incubator</b>		
	1. At least 150 liters capacity		

	2. Natural convection air flow		
	3. Digital control display of temperature and time		
	4. Adjustable temperature from ambient +5C to at least 60C		
	5. Tempered safety glass door		
	6. Touch button operating panel		
	7. Stainless steel chamber and shelves material		
	8. At least 2 shelves		
	9. Alarms and self diagnostic function		
	10. Power: Single phase, 100V-240V, 50Hz/60Hz		
	11. With 2KVA Automatic Voltage Regulator		
9	<b>Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Incubator, CO2</b>		
	1. At least 50 liters capacity		
	2. LCD Touch Panel Controller/ Touchscreen controller (deliver full control over different protocols)		
	3. Integrated tray catches to accommodate more culture containers		
	4 Self- diagnostic system for errors with visual and audible alarms		
	5. Notification and alarm Functions:		
	• Temperature setpoint deviations		
	• CO2 concentration setpoint deviations		
	• Other deviations outside normal machine operations		
	6. With temperature safety device		
	7. With chamber controller for controls of the Temperature in °C and Carbon Dioxide concentration		
	9. Stainless steel chamber and shelves material		
	10. Adjustable temperature from ambient +5C to at least 60C		
	11. Temperature control uniformity - as per manufacturer's standard		



	12. CO2 control range and deviation - 0 % to 20%		
	13. Vertical/natural air flow		
	14. Automatic decontamination protocol		
	15. Must come with CO2 tank filled, regulator and tubing		
	16. Power: Single phase, 100V-240V, 50Hz/60Hz		
	17. With 2KVA Automatic Voltage Regulator		

**CONFORME:**

*(Company Name)*

*(Name and Signature of Authorized Representative)*