

## Section VII. Technical Specifications

Bidders must state “**Comply**” in the column “**Statement of Compliance**” against each of the individual parameters of each “Specifications.”

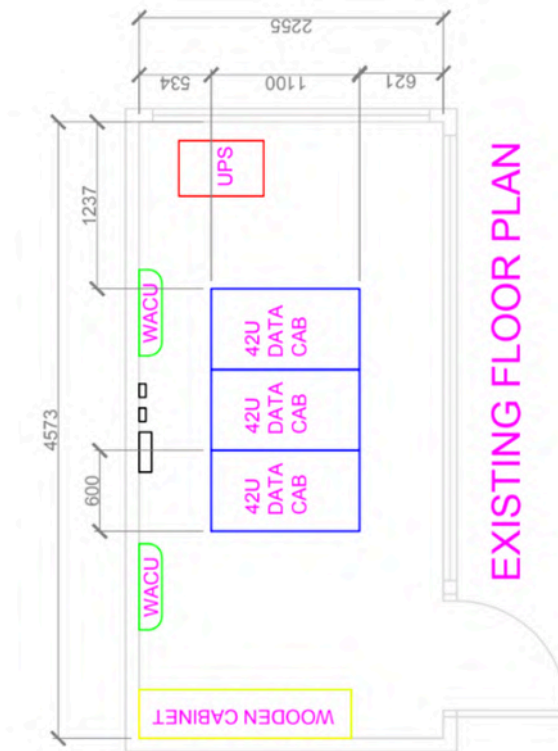
*‘Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced 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).’*

<b>Supply, Delivery, Installation, and Configuration of Server Room Security and Management Project for the Presidential Communications Office (PCO)</b> <b>[Procurement/Contract No. 2025-04-041-2]</b>		
<b>Server Room Upgrade Project</b>		
Upgrading the PCO ICTD server room with the installation of Precision Air Conditioning Unit (PACU) is critical for maintaining optimal temperature and humidity levels, ensuring the reliability and longevity of IT infrastructure. PACUs provide precise environmental control tailored to the needs of server rooms, preventing hardware failures, extending equipment lifespan, and reducing the risk of costly downtime. With advanced sensors for real-time monitoring and automated adjustments, PACUs enhance system performance while improving energy efficiency and lowering operational costs.		
Below are the minimum required equipment and hardware component specifications	Qty	Statement of Compliance
<b>A. Precision Air Conditioning Unit (PACU)</b>	<b>1</b>	
1. Cooling capacity (At least 5.9 – 34.7 kW)		
2. Air conduction (Up flow, Downflow as well as various intake and exhaust options)		
3. Cooling System (At least Air cooled or water-cooled e.g. A/AS, G, ACW, GE, CW)		
4. Standard unit operating temperature range (16 °C - 40 °C)		
5. With Humidifier and Reheat		
<b>Server Room Size: 4.5 x 2.25 sq meter</b>		
<b>Mechanical Works</b>		
1. Refrigerant piping, insulation, ducting		
2. Condensate Drain System		
3. Hangers and Support		
4. Electrical Drain System		
5. Electrical Works for ACU		

<b>Electrical Works</b>		
1. Electrical Works for PACU		
<b>Civil Works</b>		
1. Installation, Testing and Commissioning of indoor and outdoor unit.		
<b>After-Sales Support Service</b>		
1. Support Assurance and Maintenance and Support (At least 1 year)		
2. OEM Requirement (Yes, must be a recognized product market leader or recognize brand only) (Required to be submitted During Post-Qualification )		
3. Quarterly Maintenance		
<b>Warranty</b>		
1. 1 year on parts and services including checking of the following:		
Refrigeration System		
Discharge Pressure		
Electrical Panel for any loose electrical connections at least scheduled quarterly check		
<b>B.) Temperature and Environment Sensors</b>		
1. Environment Condition Monitored (Temperature and Humidity)		
2. Real-Time Recognition (At least -40 to 185°F (-40 to 85°C))		
3. Temperature Sensor Range (At least +/- 2°C)		
4. Temperature Sensor Accuracy (At least 5% to 95% Relative Humidity (RH) Non-Condensing)		
5. Humidity Sensor Range (At least +/- 4.5% at 5 to 59% RH)		
6. Humidity Sensor Accuracy (At least +/- 4.5% at 5 to 59% RH)		
7. Power & connectivity ports (DC or Ethernet port (PoE-enabled)		
8. Send Alert Notification At least e-mail, SMS, Visual/Audible signal		
9. Dashboard / Control Panel: Standalone software or via web interface		
<b>After-Sales Support Service</b>		
1. Support assurance and maintenance services (At least 1 year)		
2. OEM Requirement (Yes, must be a recognized product market leader or recognize brand only)		
3. Quarterly Maintenance		

<b>Warranty</b>		
1. 1 year on parts and services		
Inclusive of all applicable taxes and installation charges.		

**Please see included layout:**



Conforme:

Full Name and Signature of  
Bidder/Authorized Rep

:

Designation

:

Name of Company

: