

Request for Proposal (RFP)

Procurement of Precision Air Conditioning (PAC) System Replacement for AB Bank Data Center

AB Bank PLC.

Department of Information Technology
30-31 Dilkusha C/A, Dhaka 1000 Bangladesh

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The information contained in this Request for Proposal (“RFP” or “Tender”) document, or any information provided subsequently to bidders, whether verbally or in documentary form by or on behalf of AB Bank PLC. (“The Bank”), is provided to bidders under the terms and conditions set forth in this RFP document.

This RFP is neither an agreement nor an offer but an invitation from The Bank to interested parties to submit their bids. The purpose of this RFP is to provide bidders with relevant information to assist in formulating their proposals. The Bank does not claim that this RFP contains all the information required by each bidder. Each bidder should conduct its own investigations and analysis to verify the accuracy, reliability, and completeness of the information provided and seek independent advice where necessary.

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By opening this RFP, bidders agree not to disclose or share the information contained herein with any third party. The Bank reserves the right to utilize the information submitted in response to this RFP as deemed appropriate. Bidders may request confidential treatment for any portion of their response by clearly indicating the sensitive section in writing. If confidentiality cannot be granted, the bidder will have the option to withdraw its proposal.

INTRODUCTION

AB Bank PLC invites proposals from qualified vendors for the supply, installation, testing and commissioning of two (2) new Precision Air Conditioning (PAC) units, replacing the existing units (including removal; buy-back optional), at the Bank's Data Center, BCIC Bhaban, 30-31 Dilkusha C/A, Dhaka-1000. The scope also includes four (4) Raised-Floor Airflow Assist Units and associated warranty and Annual Maintenance Contract (AMC) services. The Bank reserves the right to accept or reject any or all proposals without assigning any reason, and its decision shall be final.

SCOPE OF WORK

The vendor shall supply and support the Precision Air Conditioning (PAC) System replacement described below (details in Annexure I and Annexure II):

- Removal and safe disposal of two (2) existing STULZ PAC units (Model: CSD 442A), each nominally rated 13 TR, with a total cooling capacity of 46.3 kW. Bidders may optionally include a buy-back proposal for the removed units as part of their commercial offer.
- Supply, installation, testing, and commissioning of two (2) new Precision Air Conditioning units to replace the removed units.
- Integration of new units with the existing PAC distribution board, power supply, grounding, and monitoring infrastructure.
- All indoor/outdoor piping, refrigerant charging, electrical cabling, drainage, corrosion-resistant outdoor unit caging, and any other accessories required for a complete, functional installation.
- Comprehensive warranty, preventive maintenance, and post-warranty AMC support as detailed in Annexure II, Section G and in Section 4 (AMC / Post-Warranty Service).
- The airflow from both PAC units shall be properly arranged to ensure adequate air circulation and coverage for all racks in both rows.
- Supply, installation, testing and commissioning of four (4) Raised-Floor Airflow Assist Units (fan-assisted floor tiles) to ensure proper and uniform airflow coverage to all racks - required where PAC airflow does not reach all racks adequately or evenly.

VENDOR REQUIREMENTS

Only bidders meeting the following criteria are eligible to respond to this RFP:

- The Bidder must be a legally registered entity in Bangladesh.
- The bidder must have a valid trade license, VAT registration, and updated income tax certificate.
- Minimum 10 (ten) years overall experience in Data Center (electro-mechanical) infrastructure construction (documentary proof of experience, updated Trade License).
- Must have a minimum of 5 years prior experience in delivering and supporting similar solutions.
- Proof of successful completion of at least 5 units of any renowned brand's PAC installation contracts in Data Centers within the last 10 years, including at least three (3) contracts or completion certificates for banking-sector Data Centers/DR Centers.
- Must have experience carrying out installation work in a live/operational Data Center.
- Should have at least two (2) OEM-certified field engineers qualified to perform the installation, testing, and commissioning of Precision AC systems.
- Bidder's organization must have at least one (1) Data Center design-certified professional with a minimum of five (5) years of relevant work experience.
- Must be an authorized distributor/importer/reseller of the proposed PAC brand, or provide a valid authorization letter from the manufacturer.
- The proposed PAC must be original, brand-new, and imported directly from the manufacturer or authorized source (Bill of Lading must be submitted).
- Bidder must hold valid ISO 27001:2022 and ISO 9001:2015 certifications.
- The bidder must not be blacklisted, debarred or suspended by any Government Department, Financial Institution, Bank or Regulatory Body at the time of bid submission. The bidder shall submit a signed declaration to this effect, along with a Litigation Declaration Letter disclosing any ongoing or past litigation related to its business.

RECOMMENDED ELIGIBILITY CLAUSE

Bidders failing to meet any of the above mandatory qualification requirements may be considered non-responsive and may be disqualified from further evaluation. All claims of experience and qualification must be supported by verifiable documentary evidence.

PROPOSAL SUBMISSION

- Technical Proposals must be emailed to rfp@abbl.com with the subject line: “Supply and Installation of Precision Air Conditioning (PAC) System Replacement”
- A hard copy of the Commercial Proposal must include itemized costs (including VAT & Tax) for Annexure I / Section 3 (Price Schedule), sealed in an envelope and addressed to:

Head of Administration

AB Bank PLC.

The Skymark, Level 4, 18 Gulshan Avenue, Dhaka 1212, Bangladesh

DEADLINE

Close of business on 15 October 2026

TECHNICAL BID FORMAT

Proposals must include:

1. Letter of Proposal
2. Manufacturer’s Authorization Letter (MAL) / OEM Partnership Certificate for the proposed PAC brand
3. Prior experience certificates and at least one active AMC reference in the Bangladesh banking sector
4. CVs and OEM certifications of the proposed Technical Deployment Team
5. Point-by-point compliance statement against the Technical Specification in Annexure II
6. Site survey / technical assessment report supporting the bidder’s proposed configuration and capacity sizing

MANDATORY BID SUBMISSION

- Exact model and OEM datasheet.
- Technical compliance statement against every requirement.
- Manufacturer’s Authorization Certificate.
- Country of origin/manufacture/shipment details.
- Cooling and power data at 45°C ± 3°C ambient.
- GA drawing, dimensions, weight, electrical data, airflow and static-pressure data.
- Refrigerant piping requirements.
- Bangladesh installation reference list (preferably in banking-sector Data Centers).
- Local service and spare-parts support details.
- Warranty and preventive-maintenance plan.
- Maximum delivery timeline (in days/months) for the proposed product, counted from the date of receiving the Work Order.
- Offer validity of minimum 90 (ninety) days from the bid submission deadline.

CONTACT INFORMATION

For any clarifications, please contact rfp@abbl.com.

ANNEXURE I

SL	Description	Qty
1	Removal and safe disposal of existing STULZ 13 TR PAC units (Model: CSD-442A)	2 Units
2	Supply, Installation, Testing & Commissioning of new Precision Air Conditioning units, minimum 42 kW (approx. 12 TR) Net total cooling capacity per unit (details in Annexure II)	2 Units
3	Comprehensive warranty with quarterly preventive maintenance, onsite support (parts, gas refill, labor, replacement), 3 (three) years	2 Units
4	Post-Warranty Annual Maintenance Contract (AMC), 5 (five) years, to be quoted separately per Section 4	2 Units
5	Supply, Installation, Testing & Commissioning of Raised-Floor Airflow Assist Units to ensure proper and uniform airflow coverage to all racks	4 Units
6	Buy-back of removed existing STULZ 13 TR PAC units, Model: CSD-442A (optional - bidder to quote buy-back value/credit, if any)	2 Units

ANNEXURE II

Sl	Item / Feature	Technical Requirement	Bidder's Response
A. GENERAL / PRODUCT REQUIREMENTS			
A.1	Approved Brand	Stulz / Vertiv / Citec only	
A.2	Model	Bidder shall mention exact proposed model	
A.3	Country of Origin	USA / EU / UK origin will receive additional marks in technical evaluation. The approved brand OEM's (Stulz / Vertiv / Citec) own manufacturing plant is acceptable.	
A.4	Country of Manufacture	USA / EU / UK / OEM's own manufacturing plant	
A.5	Country of Shipment	USA / EU / UK / OEM's own manufacturing plant	
A.6	Machine Type	Downflow Precision Air Conditioning (PAC)	
A.7	Cooling Type	Air-cooled	
A.8	Application	Continuous-duty Data Center	
B. PERFORMANCE REQUIREMENTS			
B.0	Design-Condition Rating	All capacities shall be stated at return air 27°C DB / 50% RH, outdoor ambient 45°C ± 3°C, 400 V/3Ph/50 Hz, ESP 50 Pa, rated per EN 14511, with OEM selection-software printout dated within 60 days and naming the project. Net capacity = gross minus fan heat. Total power shall include indoor fans, compressors and condenser fans. Bidder shall also state net capacity at 45°C ambient.	
B.1	Total Cooling Capacity	Minimum 42 kW (approx. 12 TR) Net Total Cooling Capacity per unit, combined minimum 84 kW (approx. 24 TR) net for the 2 units, at specified design conditions	
B.2	Net Total Cooling Capacity	Bidder shall state guaranteed net total cooling capacity in kW and TR	
B.3	Net Sensible Cooling Capacity	Bidder shall state guaranteed net sensible cooling capacity in kW and TR	
B.4	Sensible Heat Ratio	Bidder shall state guaranteed SHR at design condition	
B.5	Outdoor Design Temperature	45°C ± 3°C ambient	
B.6	Return Air Temperature	26 ± 2°C	

B.7	Room Relative Humidity	50% ± 4%, adjustable	
B.8	Airflow	Bidder shall state rated airflow appropriate to unit capacity	
B.9	Supply Air Temperature	Bidder shall state guaranteed supply-air temperature	
B.10	Energy Efficiency	Bidder shall state EER/energy efficiency at design condition	
C. MECHANICAL & REFRIGERATION			
C.1	Refrigerant	OEM-standard refrigerant suitable for offered model; bidder shall state type	
C.2	Refrigerant Circuits	Minimum 2 independent circuits preferred	
C.3	Compressors	Minimum 2 compressors preferred; scroll/digital scroll/inverter or OEM equivalent	
C.4	Compressor Modulation	Capacity modulation suitable for precision Data Center cooling	
C.5	Condenser	Air-cooled outdoor condenser suitable for 45°C ± 3°C ambient	
C.6	Fan	Premium EC fan or equivalent high-efficiency electronically controlled fan	
C.7	Humidifier	Factory-integrated precision humidifier; bidder shall state type/capacity	
C.8	Heater / Reheat	Factory-integrated electric reheat/heater; bidder shall state capacity	
C.9	Water Leak Detection	Integrated water leak detection shall be provided	
C.10	Dimensions & Weight	Bidder shall provide indoor/outdoor dimensions and operating/shipping weights	
D. ELECTRICAL & AIRFLOW			
D.1	Power Supply	3-phase, 380–415 V, 50 Hz, or OEM standard equivalent	
D.2	System Power Consumption	Bidder shall state maximum input power at design condition	
D.3	Airflow Control	Automatic EC fan-speed modulation through integrated controller	
D.4	Air Discharge	Downflow	
D.5	External Static Pressure	Bidder shall state available external static pressure at rated airflow	
D.6	Electrical Protection	Factory-standard overload, phase failure/sequence, high/low pressure, over-temperature and critical fault protection	
E. CONTROL, MONITORING & COMMUNICATION			
E.1	HMI Display	Minimum 7-inch color touch-screen HMI or OEM standard equivalent	
E.2	Temperature Control	Precision temperature control with adjustable set point	
E.3	Humidity Control	Automatic humidity management with adjustable set point	
E.4	Lead/Lag Sequencing	Built-in lead/lag, duty/standby and automatic sequencing	
E.5	Central Monitoring	Central controller/management capability for multiple units	
E.6	EMS/BMS Integration	Interface for integration with existing EMS/BMS	
E.7	Communication	RS485/Modbus and Ethernet TCP/IP with SNMP monitoring capability	

E.8	Alarm Monitoring	Temperature, humidity, compressor, fan, filter, water leak and common fault alarms	
F. INSTALLATION & COMMISSIONING			
F.1	Installation Accessories	All bases, supports, refrigerant piping, insulation, drain piping, fittings, welding gases, nitrogen, consumables and required accessories included	
F.2	Piping Distance	Minimum 150 feet indoor-to-outdoor separation shall be considered; bidder shall confirm after site survey	
F.3	Site Survey	Bidder/OEM shall conduct site survey and confirm electrical (circuit breaker or any), structural, piping, drainage and airflow requirements	
F.4	Installation	OEM-certified/authorized engineers shall perform installation	
F.5	Testing & Commissioning	Pressure/leak testing, vacuuming, charging, functional testing and performance verification included	
F.6	Outdoor AC Unit Mesh Guard	The Bidder must provide a protective net around the AC outdoor unit to prevent dust, paper, polythene, and other debris while ensuring proper airflow	
F.7	Training	Basic operation and maintenance training shall be provided	
G. OEM, SERVICE & WARRANTY			
G.1	OEM Authorization	Manufacturer's Authorization Certificate shall be submitted	
G.2	Local Support	The OEM or authorized service provider must have local support capability in Bangladesh and an experienced expert team available for 24/7 technical and emergency support	
G.3	Installation References	Relevant PAC/Data Center installation references in Bangladesh shall be provided (specially in banking sector)	
G.4	Spare Parts	Critical spare-parts availability in Bangladesh shall be confirmed	
G.5	Warranty	Minimum 3 years comprehensive warranty and service from commissioning/handover	
G.6	Preventive Maintenance	Preventive maintenance during warranty shall be included as per OEM recommendation	
G.7	Service Response (Response Time)	Critical Data Center PAC fault: on-site response within an hour, subject to agreed SLA/site access	
G.8	Documentation	Datasheet, GA drawing, electrical data, installation/commissioning report, test results, manuals, warranty certificate and as-built documents shall be provided	
G.9	Delivery Timeline	Bidder shall clearly specify the maximum number of days/months required to deliver the proposed product, counted from the date of receiving the Work Order	
G.10	Offer Validity	The offer shall remain valid for a minimum of 90 (ninety) days from the bid submission deadline	
H. RAISED-FLOOR AIRFLOW ASSIST UNIT (FAN-ASSISTED FLOOR TILE)			

H.1	Type	Fan-assisted raised-floor tile unit to boost local airflow and eliminate hot spots at server rack intakes; bidder shall state model	
	Brand	PAC OEM brand or a third-party product formally endorsed in writing by the PAC OEM and covered by the PAC bidder's warranty and AMC	
	Model	Bidder shall mention exact proposed model	
	Country of Origin	USA / EU / UK preferred	
	Country of Manufacture	USA / EU / UK preferred	
H.2	Floor Tile Compatibility	Compatible with standard 600 x 600 mm raised floor tile grid	
H.3	Nominal Airflow	Minimum 2,500 m ³ /h per unit at nominal operating point; bidder to state nominal and maximum rated airflow	
H.4	Airflow Control	Adjustable/directional air deflection (e.g., zoned guide vanes) to direct airflow toward the rack intake	
H.5	Fan Type	Electronically commutated (EC) fan or equivalent variable-speed fan with over-temperature and motor protection	
H.6	Temperature Control	Integrated controller with temperature sensing (minimum 2 probes) and automatic fan-speed modulation based on set point	
H.7	Alarms	Minimum alarms for: low temperature, high temperature, fan fault, and sensor fault, with local indication	
H.8	Remote Monitoring / BMS Integration	Common alarm output and/or open communication protocol (e.g., Modbus RTU or equivalent) for integration with the Bank's BMS/monitoring system; bidder to confirm protocol	
H.9	Power Supply	230V, 1-phase, 50/60 Hz or OEM standard equivalent; customer-side electrical connection as per OEM requirement	
H.10	Construction & Corrosion Protection	Corrosion-resistant housing (e.g., painted/coated galvanized steel or equivalent), suitable for a Data Center environment	
H.11	Grille / Floor Loading	Grille rated for standard raised-floor pedestrian and equipment loading, compatible with the site's existing floor panel thickness; bidder to state load ratings	
H.12	Certification & Compliance	CE marked (EU Machinery Directive) and/or UL listed or equivalent recognized certification; EMC compliance to applicable standard (e.g., EN 61000-6-2/6-3 or equivalent); manufactured under an ISO 9001 (or equivalent) quality system	
H.13	Documentation	User manual, maintenance/service instructions, electrical drawing, spare-parts list, and conformity/certification documents shall be provided	
H.14	Quantity	4 (four) units, as per Annexure I / Scope of Work - for uniform airflow coverage where PAC airflow does not reach all racks adequately or evenly	

H.15	Operating Duty	Suitable for Data Center standards and continuous 24x7 operation	
H.16	PAC Compatibility	Shall be compatible with the proposed PAC system	
H.17	Warranty	Minimum 3-year standard warranty	

PRICE SCHEDULE

The quoted price shall include complete supply, installation, testing, commissioning and all required accessories.

Sl No.	Item Description	Brand / Model	Qty	Unit Price (BDT)	Total Price (BDT)
1	Supply, installation, testing & commissioning of PAC System (Minimum 42 kW (approx. 12 TR) Net Total Cooling Capacity per unit; minimum 84 kW (approx. 24 TR) net combined for 2 units), complete.	Stulz / Vertiv / Citec	2 Nos		
2	Supply, installation, testing & commissioning of Raised-Floor Airflow Assist Units to ensure proper and uniform airflow coverage to all racks.	Bidder shall mention	4 Nos		
3	Buy-back of removed existing STULZ 13 TR PAC units, Model: CSD-442A (optional - bidder to quote buy-back value/credit, if any).	-	2 Nos		
Grand Total in BDT including applicable Govt. Tax & VAT =					

AMC / POST-WARRANTY SERVICE

Sl No.	Item Description	Qty	Annual Price (BDT)	Total Price (BDT)
1	Comprehensive AMC after warranty period, including preventive maintenance and service support (with or without parts).	2 Nos		

AMC PERIOD: 5 years after warranty period.