

প্রকাশকাল : বুধবার, ১৭ জুন ২০২৬ খ্রি.

আমরা জনগণের পক্ষে

বাংলাদেশ প্রতিদিন

The Daily Star



BIRDEM GENERAL HOSPITAL

(An Enterprise of Diabetic Association of Bangladesh)
122, Kazi Nazrul Islam Avenue, Dhaka-1000, Bangladesh.

☎ : 41060501-24, Fax: 41060476

E-mail: birdemprocurements@gmail.com

Expression of Interest (EOI)

EOI Reference No : BIRDEM/Purchase/EOI/HVAC Consultant/2026/05, Dated: 16th June 2026

1. Appointment of HVAC Supervision and Commissioning Consultant for Installation of 120 TR Duct & Cassette Type VRF Air Conditioning System at OPD Complex of BIRDEM General Hospital. As per Public Procurement Act 2008 & Public Procurement Rules 2025. Qualified consulting firms / individual (HVAC Engineers) are invited to submit Expression of Interest (EOI) for Construction Supervision, Quality Assurance, Testing, Commissioning and Contract Management Services for 120 TR VRF Air Conditioning System of BIRDEM General Hospital. To install Duct and Cassette Type hybrid VRF Air Conditioning system. Work Order (WO) was given to Edison Electronics Ltd.
2. **Minimum Qualification:** 5 (five) years experience in HVAC engineering consultancy (at least 2 similar projects), IEB Membership (for individual engineer), Valid Trade License, TIN, BIN/ VAT Registration Certificate of Incorporation (If applicable).
3. **Submission Deadline :** 30th June 2026
Time : 10.00 am
Place : Room No : 230 (Late submissions will not be accepted)
BIRDEM General Hospital
4. You are requested to give technical proposal & financial proposal in two separate sealed envelopes.
5. The Procuring Entity reserves the right to accept or reject any or all EOIs.
6. For Details Please See the following website address:
www.birdembd.org,
www.dab-bd.org

Dr. Farzana B Ibrahim
Joint Director (Hospital Administration)
BIRDEM General Hospital

**Expression of Interest (EOI) Appointment of HVAC Supervision and Commissioning
Consultant for Installation of 120 TR Duct & Cassette Type VRF Air Conditioning System
at OPD Complex of BIRDEM General Hospital**
(As per Public Procurement Act 2006 & Public Procurement Rules 2025)

Head of Procuring Entity: DG, BIRDEM General Hospital.

Name of Organization: BIRDEM General Hospital

Address: 122, Kazi Nazrul Islam Avenue, Dhaka-1000.

Phone: 41060501

Email: dg_birdem@dab-bd.org

EOI Reference No: BIRDEM/Purchase/EOI/HVAC Consultant/2026/ Dated: 15th June 2026

1. Background & Objectives

The Procuring Entity intends to Installation of 120 TR Duct & Cassette Type VRF Air Conditioning System at OPD Complex of BIRDEM General Hospital. As per Public Procurement Act 2006 & Public Procurement Rules 2025 qualified consulting farms / individual (HVAC Engineers) are invited to submit Expression of Interest (EOI) for Construction Supervision, Quality Assurance, Testing, Commissioning and Contract Management Services for 120 TR VRF Air Conditioning System of BIRDEM General Hospital. To install Duct and Cassette Type hybrid VRF Air Conditioning system. Work Order (WO) was given to Edison Electronics Ltd.

2. Scope of Services (TOR Summery)

The selected (HVAC Engineers)/ Consulting Farm will be responsible for:

3. Core Responsibilities

- a. To ensure quality work
- b. To ensure timely implementation of project of VRF at OPD BIRDEM General Hospital.
- c. To ensure safety, skill of vendor and compliance of terms and conditions of agreement

4. Expertise of HVAC Consultant

Experience in similar work for five years in Hospital / Other Organization still BSE Mechanical Engineer with specialty in HVAC Supervision.

Consultant will ensure:

- a. Whether VRF system is being implemented as per approved Drawing & Manufacturer Guideline.
- b. All items are supplied as per specification of BOQ
- c. Work is progressing as per scheduled. HVAC System fulfill expected Performance Design Requirement & Contractor is following Contract Compliance.

5. Scope of Services

- i) Contract Reviewed by appointed Consultant after taking responsibility he will review the Contract Agreement BOQ Approved, Shop Drawing, Technical Specification, Work Programmed, Method Statement, manufacturer Data Sheet

ii) Deliverable:

- a) Contract Compliance Review Report
- b) Construction Supervision
- c) Material Inspection
- d) Consultant review
- e) Outdoor Units
- f) Brand
- g) Model
- h) Capacity
- i) Serial Number
- j) Country of Origin
- k) Indoor Units
- l) Duct Units
- m) Cassette Units
- n) Other Materials
- o) Refrigerant Pipe
- p) Pipe Insulation
- q) Drain Pipe
- r) Power Cable
- s) Control Cable
- t) Fresh Air Duct
- u) GI Duct
- v) Diffuser
- w) Grille
- x) Vibration Isolator
- y) Material Approval Report

iii) Installation Quality Assurance

- a) Refrigerant Piping
- b) Will examine
- c) Pipe Diameter
- d) Brazing Quality
- e) Nitrogen Purging
- f) Pipe Support Spacing
- g) Leak Protection
- h) Duct Installation
- i) Will review
- j) Gauge Thickness
- k) Sealing Quality
- l) Hanger Spacing
- m) Insulation
- n) Electrical Works
- o) Cable Size
- p) Earthling
- q) MCCB Rating
- r) Control Wiring
- s) Weekly Inspection Report

iv. Site Safety Monitoring

Consultant will ensure:

- a) Use of PPE
- b) Electrical Safety
- c) Work-at-height Safety
- d) Fire Safety Measures
- e) Safety Compliance Report

v. Progress Monitoring

Consultant:

- a) Conduct Weekly Progress
- b) Will Analysis delay
- c) Will recommend Recovery Plan
- d) Weekly Progress Report
- e) Monthly Progress Report

vi. Testing & Commissioning Supervision

Consultant physically ensure:

- a) Refrigerant System
- b) Nitrogen Pressure Test
- c) Vacuum Test
- d) Leak Test
- e) Electrical System
- f) Insulation Resistance Test
- g) Phase Balancing
- h) HVAC Functional Testing
- i) Cooling Performance
- j) Thermostat Operation
- k) Indoor Unit Communication
- l) Outdoor Unit Communication
- m) Testing & Commissioning Report

vii. Will ensure Performance Verification by the Consultant

- a) Indoor Environment
- b) Temperature
- c) Relative Humidity
- d) Air Velocity
- e) Energy Parameters
- f) Current Consumption
- g) Voltage
- h) Power Factor
- i) Comfort Parameters
- j) Noise Level
- k) Vibration Level
- l) Performance Verification Report

Viii. Training & Handover Consultant will ensure:

- a) Training

- b) Operator Training
- c) Maintenance Training
- d) Handover Documents
- e) As-Built Drawing
- f) Warranty Certificate
- g) Operational & Service Manual
- h) Spare Parts List
- i) Handover Completion Certificate
- j) Inception Report
- k) Contract Review Report
- l) Material Inspection Reports
- m) Weekly Site Reports
- n) Monthly Progress Reports
- o) Testing & Commissioning Report
- p) Performance Verification Report
- q) Defect List (Snag List)
- r) Final Completion Report
- s) Handover Certificate Recommendation

IX. Key Expertise of Consultant

Team Leader / HVAC Specialist

B.Sc. Mechanical Engineering

Minimum 05 Years' Experience, At least 5 Hospital or similar HVAC Projects

X. Duration

- a) Construction Period: Actual
- b) Defects Liability Monitoring: 12 months after completion of project

XI. Special report

Special Responsibility for Hospital Requirement.

- a) Consultant must certify about Fresh Air Supply Adequacy
- b) Temperature Uniformity in OPD
- c) Humidity Control
- d) Energy Efficiency Compliance
- e) BMS Integration
- f) Generator Backup Compatibility
- g) Maintainability Assessment
- h) Spare Parts Availability
- i) Annual Maintenance Requirement
- j) Capacity Sufficiency During Peak Load

XII. Payment Milestone proposed

- a) 20%: Contract Review & Mobilization
- b) 30%: 50% Installation Completion
- c) 30%: Testing & Commissioning Completion
- d) 20%: Final Handover & Defect Liability Monitoring Plan
- e) Consultant will write the PCR

- f) Payment 3% of total Project value
6. Short listing Criteria (as per rule 98 of ppr-2025 Farms / Consultant must provide:
- Legal Status Valid Trade License, TIN, BIN/VAT Registration Certificate of Incorporation (If applicable).
 - General Experience: Minimum 5 years' experience in HVAC engineering consultancy.
 - Specific Experience: Experience in HVAC engineering consultancy (at least 2 similar projects)
 - Experience in BNBC 2020 compliant HVAC engineering.
7. Availability of Tools & Software Licensed engineering software (ETABS/ SAP2000/ Tekla). Submission Requirements Interested consultants must submit:
A cover letter on company consultant's letterhead.
Company Profile / Individual CV.
List of completed & ongoing relevant projects. Copies of certificates, licenses and supporting documents.
8. Method of Procurement the service will be procured following PPR-2008 Rule 72-76 (EOI for short listing) and Section 40 of PPA-2006. Using the quality and cost-based selection (QCBS) method or SSS depending on approval.
9. Submission Deadline EOI must be submitted on or before:
Date: 30th June 2026
Time: 10.00 am
Place: Room No: 230 (Late submissions will not be accepted)
BIRDEM General Hospital.
10. Additional Information Only Shortlisted farms / consultants will be invited to submit RFPs. The Procuring Entity reserves the right to accept or reject any or all EOIs without assigning any reason as per Rule 31 of PPR-2008.
11. You are requested to give technical proposal & financial proposal in two separate sealed envelopes.
12. Contact Information

Procurement Entity

Dr. Farzana B Ibrahim

Joint Director (Hospital Administration)

Organization: BIRDEM General Hospital

In action: The Daily Star, Bangladesh Protidin

Distribution:

- Director (Admin), BIRDEM.
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- CBE, BIRDEM.
- PS to DG, BIRDEM.
- Sub-Division (Civil), BIRDEM