REQUEST FOR PROPOSAL NUMBER: AF/IT/RFP26012/2026

Date: October 11, 2026

RFP Deadline: October 22, 2026

REQUEST FOR PROPOSAL

NAME: RFP for Data Center Power Infrastructure & Equipment Audit

CONFIDENTIALITY

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Background ATOMA:

A telecommunication company incorporated and existing under the Laws of Islamic Emirate of Afghanistan and having its office at Park Plaza opposed of Shar-e Naw Park Kabul Afghanistan PO Box # 100208-07-054, Kabul. ATOMA is a leading telecom company is Afghanistan, having the highest customer base and operates a large network of sites across Afghanistan. ATOMA played a significant role in the development and expansion of telecommunications services in Afghanistan, particularly in the areas of mobile voice and data services. Offering a wide range of mobile communication services, including voice calls, SMS, mobile internet, and value-added services. We introduced various innovative products and packages tailored to the needs of Afghan consumers. Also serves the business sector, offering solutions such as mobile banking, enterprise connectivity, and other services to support businesses' communication needs.

TENDERER'S ACKNOWLEDGEMENT/ PRELIMINARY NON-DISCLOSURE AGREEMENT.

Tender's Acknowledgment: Please mark as appropriate:

We acknowledge receipt and acceptance of the RFP and intend to submit a tender as required ☐

We acknowledge receipt of the RFP but decline to tender for the following reasons: ☐

Please write your reason here: _____

- We undertake to return to ATOMA within the below-mentioned deadline from receipt of the complete RFP package with all attachments, information and documents related thereto as provided by ATOMA and any copies made thereof.
- The complete tender documents along with the Proposal to be submitted in a SEALED envelope addressed to the Supply Chain Department of ATOMA and to be physically submitted in the tender box located in ATOMA Head Office, Reception, located in Shar-E-Naw Kabul not later than Dated October 22, 2026
- Bidders are requested to do the registration at ATOMA at the time of obtaining the RFP from ATOMA reception.
- Bidders should ensure that they provide accurate email addresses and contact numbers at the time of registration.
- Bids are invited from reputable companies for **"Request for Proposal for Data Center Power Infrastructure & Equipment Audit** according to ATOMA requirements and Technical Specifications as per RFP.
- Bid received after the mentioned deadline shall not be accepted.
- ATOMA reserves the right to accept or reject any or all bids and to annul the bidding at any time, without thereby incurring any liability to the affected supplier(s) or any obligations to inform the affected supplier(s) on the grounds of ATOMA's action.

12: Preliminary Non-Disclosure Agreement:

We agree that all information and documents contained in or related to this RFP as provided by ATOMA is proprietary information and shall be treated as confidential. We undertake that all such information and documents, as described above, shall not be divulged to any other party (such prohibition applies to any further release of information regarding this RFP by ATOMA) without the prior written permission from ATOMA to do so. We agree that this RFP and all information and documents relating to it and provided hereunder by ATOMA are not to be used for any purpose other than for the preparation of our tender submission. This undertaking will also apply to any subsequent contract resulting from this RFP.

Name: _____

Designation: _____

Signed / Date / Stamped: _____

RFP – Data Center Power Infrastructure & Equipment Audit

1. Background

ATOMA is seeking proposals from qualified and experienced data center infrastructure consultants/audit firms to conduct a comprehensive **Data Center Power Infrastructure and Equipment Audit**.

The purpose of this engagement is to independently assess the current condition, capacity, availability, redundancy, reliability, safety, and operational readiness of the Data Center power infrastructure and associated equipment.

The audit shall identify existing gaps, risks, single points of failure, capacity limitations, compliance concerns, and areas requiring improvement.

2. Objectives

The key objectives of the audit are to:

- Assess the current Data Center power infrastructure and equipment.
- Verify the actual installed capacity against IT load requirements.
- Assess power availability and redundancy.
- Identify **Single Points of Failure (SPOF)**.
- Assess UPS, batteries, power distribution and associated equipment.
- Review power paths from source to IT equipment.
- Assess current and future power capacity.
- Identify operational, electrical, safety and reliability risks.
- Review maintenance and operational practices.
- Verify monitoring and alarming capabilities.
- Assess readiness for future IT capacity growth.
- Provide an independent assessment and prioritized recommendations.

3. Scope of Audit

The selected consultant shall conduct a physical and technical audit covering, but not limited to, the following areas.

3.1 Incoming Power Supply

The audit shall assess:

- Utility power supply.
- Incoming electrical feeders.
- Main distribution boards.
- Transformer capacity, where applicable.
- Generator supply and integration.
- ATS/AMF systems.
- Main electrical protection systems.
- Earthing/grounding arrangements.
- Electrical protection and isolation.
- Availability and redundancy of incoming power.

The consultant shall identify any dependency or failure point that could affect Data Center availability.

3.2 UPS Infrastructure

The consultant shall audit all UPS systems, including:

- UPS manufacturer/model.
- Rated capacity.
- Current load.
- Utilization percentage.

- Number of UPS units.
- UPS redundancy configuration.
- N, N+1, 2N or other architecture.
- UPS efficiency.
- Input/output configuration.
- Bypass arrangements.
- Static/manual bypass.
- UPS age and lifecycle status.
- Alarm and event history.
- Maintenance history.
- Battery dependency.
- UPS failure scenarios.
- Load-sharing configuration.
- Failover capability.

The consultant shall provide an assessment of whether the current UPS architecture provides adequate resilience.

3.3 Battery Systems

The audit shall cover:

- Battery type and technology.
- Battery age.
- Battery capacity.
- Number of battery strings.
- Design autonomy.

- Actual available autonomy, where measurable.
- Battery health.
- Battery monitoring.
- Battery replacement history.
- Battery room/environmental conditions.
- Battery failure risks.
- End-of-life assessment.

The consultant shall identify the expected remaining useful life of the battery systems.

3.4 Power Distribution

The audit shall cover the complete power distribution chain, including:

Utility/Generator → Transformer → Main Distribution → UPS → PDU → Rack Distribution → IT Equipment

Assessment shall include:

- MDBs.
- SMDBs.
- PDUs.
- RPPs.
- Busbars.
- Rack PDUs.
- Circuit breakers.
- Electrical panels.
- Distribution cabling.
- A/B power feeds.
- Load balancing.

- Circuit utilization.
- Protection coordination.
- Labeling and identification.

3.5 A & B Power Redundancy

The consultant shall verify:

- Availability of independent A and B power feeds.
- Independence of power paths.
- UPS redundancy.
- PDU redundancy.
- Rack-level A/B connectivity.
- Dual-power supply availability for critical IT equipment.
- Whether A and B paths have any common failure points.

The audit must specifically identify situations where **path A and B are not genuinely independent**.

4. Data Center Equipment Audit

The audit shall include an inventory and assessment of major power-related equipment, including:

Equipment	Audit Requirement
UPS	Capacity, load, redundancy, health
Batteries	Capacity, age, health, autonomy
Generator	Capacity, availability, integration
ATS/AMF	Condition, operation, redundancy
MDB/SMDB	Capacity, loading, protection

Equipment	Audit Requirement
PDU/RPP	Capacity, loading, redundancy
Rack PDU	Loading and A/B connectivity
Transformers	Capacity and loading
Power cables	Condition and capacity
Circuit breakers	Rating, loading, condition
Earthing	Condition and compliance
Power monitoring	Availability and accuracy
Environmental systems	Impact on power equipment

5. Capacity Assessment

The consultant shall conduct a detailed capacity assessment covering:

Current Capacity

- Installed power capacity.
- Available power capacity.
- Current IT load.
- Current UPS load.
- Current generator load.
- Current distribution capacity.
- Current rack power utilization.

Future Capacity

The consultant shall determine:

- Remaining available capacity.

- Maximum sustainable IT load.
- Capacity headroom.
- Recommended operating threshold.
- Future expansion capability.
- Capacity limitations.

The report should clearly state:

Installed Capacity → Usable Capacity → Current Load → Available Capacity → Recommended Maximum Load

6. Load Analysis

The consultant shall review and validate:

- UPS load percentage.
- Generator load percentage.
- PDU loading.
- Rack-level loading.
- Phase balancing.
- Peak vs average load.
- Power factor.
- Historical load trends, where data is available.

The consultant shall identify overloaded or significantly underutilized equipment.

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7. Single Point of Failure Assessment

A dedicated **SPOF assessment** shall be performed.

The consultant shall identify SPOFs across:

- Utility power.

- Generator.
- ATS/AMF.
- UPS.
- Batteries.
- MDB/SMDB.
- PDU/RPP.
- Rack PDU.
- A/B power paths.
- Cabling.
- Protection systems.
- Monitoring systems.

Each SPOF shall be classified according to:

Critical / High / Medium / Low

For each identified SPOF, the consultant shall provide:

- Description.
- Cause.
- Potential impact.
- Affected systems.
- Risk level.
- Recommended mitigation.

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8. Power Failure Scenario Assessment

The consultant shall assess the impact of potential failures, including:

- Utility power failure.

- Generator failure.
- UPS failure.
- UPS module failure.
- Battery failure.
- PDU failure.
- Distribution breaker failure.
- A-feed failure.
- B-feed failure.
- Rack PDU failure.
- Maintenance bypass scenario.

The consultant shall determine whether critical IT services can continue operating under each applicable failure scenario.

9. Monitoring & Management

The audit shall assess existing monitoring capabilities for:

- UPS.
- Batteries.
- Generator.
- ATS.
- PDU.
- Electrical panels.
- Power consumption.
- Temperature/humidity where relevant.
- Alarms.

- Historical trends.
- Centralized monitoring.

The consultant shall identify gaps in real-time visibility and alerting.

10. Maintenance & Operations Audit

The consultant shall review:

- Preventive maintenance schedules.
- UPS maintenance.
- Battery maintenance.
- Generator maintenance.
- Electrical inspection records.
- Testing records.
- Breaker testing.
- Load testing.
- Emergency procedures.
- Maintenance bypass procedures.
- Change management.
- Incident history.
- Equipment lifecycle management.

11. Safety & Compliance Assessment

The audit shall assess the Data Center against applicable:

- International data center standards.
- Electrical safety standards.

- Manufacturer recommendations.
- Local regulatory requirements.
- Industry best practices.

Where applicable, the consultant should reference recognized standards such as:

- **TIA-942**
- **Uptime Institute principles**
- **ISO 22237**
- **IEC electrical standards**
- Applicable local electrical and safety regulations.

The consultant shall clearly identify any compliance gaps.

12. Physical Site Inspection

The audit must include a **physical inspection of the Data Center**.

The consultant shall inspect:

- Electrical rooms.
- UPS rooms.
- Battery areas.
- Generator area.
- Distribution panels.
- Cable routes.
- Rack power connections.
- Equipment labeling.
- Physical condition.
- Ventilation/cooling of power equipment.

- Access and safety arrangements.
- Housekeeping.
- Cable management.

Photographic evidence should be included in the final report where appropriate.

13. Documentation Review

ATOMA may provide available documentation for review, including:

- Electrical single-line diagrams.
- UPS documentation.
- Generator documentation.
- Battery specifications.
- Equipment datasheets.
- Electrical drawings.
- Maintenance reports.
- Load reports.
- Asset inventory.
- Previous audit reports.
- Incident records.
- Power consumption reports.

The consultant shall identify any missing, outdated or inaccurate documentation.

14. Deliverables

The consultant shall provide the following:

14.1 Current State Assessment

Detailed assessment of existing power infrastructure.

14.2 Equipment Inventory

Complete inventory including:

- Equipment type
- Manufacturer
- Model
- Capacity
- Serial number, where available
- Installation date/age
- Current condition
- Lifecycle status

14.3 Capacity Assessment

Including:

- Current load.
- Available capacity.
- Headroom.
- Future capacity.
- Critical limitations.

14.4 SPOF & Risk Register

A prioritized register of identified risks.

Risk	Impact	Probability	Severity	Priority	Recommendation

14.5 Power Architecture Assessment

Updated/validated power-flow diagram showing:

Utility → Generator → ATS → Distribution → UPS → PDU → Rack

14.6 Redundancy Assessment

Assessment of:

- N
- N+1
- 2N
- A/B architecture
- Common failure points

14.7 Compliance Gap Assessment

Identification of deviations from applicable standards and best practices.

14.8 Executive Management Report

A concise management-level report highlighting:

- Overall Data Center power health.
- Critical risks.
- Capacity position.
- SPOFs.
- Aging equipment.
- Immediate actions.
- Medium-term actions.
- Long-term recommendations.

15. Recommendations & Roadmap

The consultant shall provide recommendations categorized as:

Immediate – 0–3 Months

Critical risks requiring immediate attention.

Short Term – 3–12 Months

Infrastructure and operational improvements.

Medium Term – 1–3 Years

Capacity, redundancy and lifecycle improvements.

Long Term – 3–5 Years

Future architecture and Data Center power strategy.

Recommendations should prioritize:

Availability → Risk Reduction → Capacity → Resilience → Lifecycle → Cost

16. Audit Methodology

The vendor shall describe its proposed methodology, including:

1. Documentation review.
2. Stakeholder interviews.
3. Physical site inspection.
4. Equipment inventory.
5. Electrical/load assessment.
6. Redundancy analysis.
7. SPOF analysis.
8. Failure scenario assessment.
9. Capacity assessment.
10. Compliance assessment.
11. Risk assessment.
12. Final recommendations.

17. Vendor Qualification

The bidder should demonstrate:

- Minimum 5 years of relevant Data Center audit experience.
- Experience auditing mission-critical facilities.
- Experience with UPS and power infrastructure.
- Experience with redundant power architectures.
- Qualified electrical/data center engineers.
- Relevant professional certifications.
- At least 3 comparable customer references.
- No conflict of interest with equipment suppliers involved in the assessment.

18. Audit Team

The bidder shall provide CVs and profiles for proposed resources, including:

- Lead Data Center Auditor.
- Electrical/Power Engineer.
- Data Center Infrastructure Specialist.
- Additional specialists, where required.

PROPOSAL REQUIRED DOCUMENTS

The following documents are required to be submitted along with Sealed Proposal to be submitted in Tender Box Located in reception of ATOMA-Head Office.

- **Technical Proposal** Detailed technical approach and demonstrating compliance with the RFP requirements.
- **Commercial Proposal** Detailed financial proposal and breakdown, covering all applicable costs, rates, fees, and other commercial terms related to the data center power infrastructure and equipment audit.
- **Company Profile (**Company Background, Staff Availability, Office location, Tangible Assets)

- **Valid License from Government** of Afghanistan (Relevant License duration should be not less than three years)
- **International Supplier Licensing Compliance:** The International Supplier shall comply with all applicable Afghan laws and regulatory requirements. Where the nature of the Services requires a local license, permit, registration, or authorization, the Supplier shall obtain the required authorization or, where permitted, engage an appropriately licensed local partner, subject to ATOMA's prior approval. All related compliance requirements and costs shall be the Supplier's responsibility.
- **At least 3 references** of reputable and well-known organizations along with their names and contact numbers where the company has provided or providing the same services to.
- **Experience in relevant** field minimum 3 years and (Relevant Experience, Client References, Projects Values and Tuners)
- **Financial Stability** (Bank Statement for last Six Months, (All bank accounts should be in the name of the company stamped by Authorized Bank.)
- **Audited Financial Statement:** Latest audited financial statement
- **Team Composition** Details of the proposed team, including key personnel, qualifications, roles, responsibilities, and relevant experience.

Evaluation Criteria:

- Technical capabilities and experience
- Project implementation methodology
- Price and commercial terms for entire project implementation
- Financial stability and references
- Compliance with Documentation Requirements (Pass/Fail)

The Evaluation Committee shall assign the percentage weight for each evaluation criterion prior to the opening and evaluation of proposals. The weighting shall reflect the importance of each criterion in achieving the objectives of this procurement and shall remain unchanged throughout the evaluation process.

Only proposals that satisfy the mandatory compliance requirements shall be considered for detailed technical and commercial evaluation.

Submission Instructions:

- All proposals must be submitted electronically to: Temp_ismail.safi1@atoma.com.af, sadeequllah@atoma.com.af
- All commercial proposal which are submitted electronically must be **password protected**. Unprotected proposal will not be considered for further evaluation.
- The sealed envelope should be submitted at:
  ATOMA Head Office, Reception Shar-E Naw Kabul, Afghanistan.
- The sealed envelope must be placed in ATOMA tender box, located in ATOMA main office reception.
- All questions regarding this RFP must be submitted in writing.
- Responses will be provided to all potential bidders.
- Bids must remain valid for 120 days from the submission deadline.
- The bid must be submitted in English.
- ATOMA reserves the right to reject any or all proposals.

General Requirements and Compliance

- The supplier must have and always maintain and all the time, at its own cost and expense, all permits, licenses, authorization, and approval from relevant government entities necessary for the service provided under this RFP/Agreement.

All foreign companies are therefore required to ensure that all corporate documents are:

- Officially translated into English, if not already in English
- Notarized or certified by an appropriate authority in the country of origin (e.g., notary public, apostil, Ministry of foreign Affairs, or embassy) such as Business Licenses, Incorporation Certificates, Tax Certificates, Bank Reference Letters, ISO Certifications properly stamped, signed, and dated
  Failure to submit properly certified and verifiable documentation may result in disqualification or reduced eligibility.
- The top three suppliers shall present slide presentations to the cross-functional team comprised of technical IT and Network, legal and compliance and procurement).

Queries and Submissions:

All queries related to this document should be addressed to:
Procurement department of ATOMA
Email: Temp_ismail.safi1@atoma.com.af, sadeequllah@atoma.com.af. Phone# 0772227050, 0772222021