ASIAN UNIVERSITY FOR WOMEN

Request for Proposal (RFP)
For Structured Cabling and Data Center Passive Infrastructure Works
Asian University for Women (AUW), Arefin Nagar Campus
Summary Sheet

Name of the company	Asian University for Women
Procurement Reference Number	Package/ IT_1/26_27
Date of issue of the RFP	18th May 2026
Date and Closing Time for RFP submission	21st June, 2026 (12:01PM) (GMT +6)
Quotation submission mail address	tender164@auw.edu.bd
Address for Communication	**Asian University for Women** 20/A M. M. Ali Road Chattogram 4000, Bangladesh Tel: +880-31-285-4980 Fax: +880-31-285-4988

Bidders are invited to submit their proposals in accordance with the terms outlined in the enclosed Request for Proposal (RFP).

AUW reserves the right to reject any or all offers without providing any reason.

Confidentiality must be strictly maintained. The information provided here should only be used for its intended purpose and scope. By retaining this RFP, you agree to treat all information as confidential.

All communications regarding this Request for Proposal should be directed to AUW, with copies sent to the email addresses listed in the RFP email.

For any further queries, please contact:

- **Primary Point of Contact for RFP Process and Technical Queries:**
  Mohammed Ishrat Bin Mahbub
  Director of Supply Chain Management
  Email: mohammed.mahbub@auw.edu.bd
  Contact Number: +8801926673027; Whatsapp: +8801671470348

Proposals should be submitted only to the following email: tender164@auw.edu.bd
No other AUW email address should be used in the "To," "CC," or "BCC" fields. Any proposal that violates this instruction may be disqualified.

RFP and Tender Notice

Asian University for Women (AUW) is committed to adhering to the highest standards of financial integrity and management best practices in all aspects of its operations, including RFPs, Tender Notices, and campus construction. We value respect for all, high standards for occupational health and safety, environmental preservation, and equality of men and women as workers and their entitlements for equal wage for equal work. We encourage all our contractors to employ at least 50% women in their workforce. Should anyone notice or otherwise come to know of any practice or incidence of malfeasance, corruption, unlawful or disrespectful treatment or unsafe living or working conditions, avoidable environmental degradation or mismanagement in any form, they may write in full confidentiality to the Secretary of the Board of Trustees. In case of receipt of any such submission with sufficient specificity, an independent agency may investigate the matter and respond to the writer and if appropriate, to the public.

boardsecretary@asian-university.org

AUW is a privately funded independent international university governed by its Board of Trustees with a public service mission. All decisions relating to its management are at the sole discretion of its Board of Trustees.

Thank you for helping AUW achieve the highest ethical and management standards.

Proposal Summary

Executive Summary

This Request for Proposal (RFP) invites qualified and experienced firms to undertake the Structured Cabling and Data Center Passive Works for the Asian University for Women (AUW) Main Academic Building. The project is intended to ensure the proper installation, integration, and commissioning of structured cabling systems and data center passive infrastructure in full accordance with the approved design, operational requirements, and applicable national and international standards. The works will provide a reliable, scalable, and high-performance network environment, supporting the academic building's technological needs and long-term operational efficiency.

Project Implementation Schedule

The successful bidder shall complete the works within the stipulated time frame stated in the Letter of Award. The indicative timeline for implementation is as follows:

- Design submission and approval: within 30 working days from award.
- Material delivery and installation: within 150 working days from design approval.
- Testing and commissioning: within 30 working days after installation.
- Total completion period: 240 working days from the date of contract signing.

Proposal Evaluation Methodology

All proposals will be evaluated in accordance with AUW procurement procedures and applicable regulations. Evaluation will be conducted based on the following criteria:

- Technical compliance with specifications (40%)
- Relevant experience and qualifications (20%)
- Financial proposal and competitiveness (40%)

The contract will be awarded to the bidder offering the most advantageous proposal, technically compliant and commercially competitive.

Warranty and Post-Installation Support

The Contractor shall provide a comprehensive warranty for all Structured Cabling and Data Center Passive Works for a period of **24 months** from the date of successful system acceptance. The warranty shall cover all materials, workmanship, installation, and integration of the cabling and passive infrastructure,

including cables, racks, patch panels, cable management systems, connectors, UPS systems and their associated passive components and infrastructure, raised floor systems, VESDA (Very Early Smoke Detection Apparatus) components, Environmental Monitoring System (EMS) components, electrical wiring systems for the Data Center and UPS distribution, power distribution units (PDUs), cabling pathways and containment systems, and earthing/grounding and bonding systems. Etc. and associated components.

During the warranty period, the Contractor shall be responsible for rectifying any defects in materials or workmanship at no additional cost, repairing or replacing faulty components to restore the system to full operational condition, and ensuring that all repairs or replacements do not compromise the performance, reliability, or integrity of the installed network. Following system acceptance, the Contractor shall provide post-installation support for 12 months, including remote and on-site technical assistance for troubleshooting network issues, preventive maintenance of cabling pathways, connectors, and passive data center infrastructure, provision of updated as-built drawings, labeling, test reports, and operation manuals, as well as timely response to support requests within 24 hours and resolution of critical issues within 48 hours.

Training and Handover

Upon completion of the Structured Cabling and Data Center Passive Works, the contractor shall:

Conduct Training: Provide a comprehensive training session for AUW's designated personnel, covering proper operation, maintenance, and troubleshooting of all installed passive infrastructure.

Submit Documentation: Prior to project handover, the contractor shall furnish the following:

- Complete **as-built drawings** reflecting the final installed cabling and passive systems.
- **Warranty certificates** for all supplied materials, equipment, and passive components.

All training and documentation shall ensure AUW staff are fully equipped to manage and maintain the installed systems efficiently.

Confidentiality and Compliance

The contractor shall maintain strict confidentiality of all information and documents provided by AUW. All works shall comply with Bangladesh National Building Code (BNBC). The contractor shall be responsible for obtaining necessary clearances and ensuring safety during execution.

Scope of Work

The scope of work shall focus on the Structured Cabling and Data Center Passive Works. The Contractor shall be responsible for the complete design, supply, delivery, installation, testing, commissioning, and handover of the Structured Cabling System and Data Center Passive Infrastructure in accordance with applicable national and international codes and standards. The scope shall include, but not be limited to, Structured Cabling Systems and Data Center Passive Infrastructure, including power distribution systems, UPS systems, cooling systems, monitoring systems, and associated electrical works as detailed in the approved Bill of Quantities (BOQ). All works shall be executed in accordance with international standards, manufacturer recommendations, approved drawings, and site conditions, ensuring high availability, safety, and operational reliability of the data center.

The complete STP and Fiber Structured Cabling System shall support a minimum of 10G network performance and must be eligible for a minimum twenty-five (25) years OEM System Performance Warranty. The warranty shall be supported by submission of certified test reports generated through a Fluke Analyzer or equivalent testing equipment approved as per TIA/EIA standards. The Contractor shall be fully responsible for the supply, laying, dressing, termination, testing, commissioning, and handover of the complete structured cabling system, including conduit and pipe preparation, installation within ducts, cable ladders and trays, patch panel dressing and arrangement, fiber optic splicing and jointing, and proper identification and labeling following standard coding conventions in compliance with TIA/EIA standards.

The Contractor shall also supply, install, test, and commission all required passive components of the data center infrastructure, including but not limited to UPS supporting infrastructure, electrical wiring systems, power distribution units (PDUs), cable containment systems, raised floor systems, grounding/earthing and bonding systems, VESDA (Very Early Smoke Detection Apparatus), Environmental Monitoring System (EMS), and associated passive mechanical and electrical components required for a fully functional data center environment. All associated costs for installation, testing, certification, labeling, documentation, and commissioning shall be deemed included within the quoted BOQ rates.

All supplied materials and products shall comply with applicable international standards for structured cabling and data center infrastructure and shall be manufactured using RoHS-compliant materials with minimal hazardous substances. Relevant technical datasheets, compliance certificates, and supporting documents shall be submitted upon request. The Contractor must submit a valid Manufacturer Authorization Letter (MAF/MAL), along with detailed product datasheets, catalogues, and corresponding part numbers for all proposed items.

All copper and fiber optic cabling components shall be supplied from the same OEM/brand to ensure end-to-end compatibility and eligibility for the OEM system warranty. The Contractor shall also have at least

one qualified and experienced engineer specialized in Structured Cabling and Data Center Passive Infrastructure Works.

1. System Requirements and Warranty

The complete Shielded Twisted Pair (STP) and Fiber Optic Structured Cabling System shall support a minimum 10G network performance.

The system shall carry a minimum 25-year OEM System Performance Warranty, supported by certified test reports generated through a Fluke Analyzer or equivalent testing equipment approved per TIA/EIA standards.

All copper and fiber cabling components must be supplied from the **same OEM/brand** to ensure end-to-end compatibility and eligibility for OEM system warranty.

2. Contractor Responsibilities

The contractor shall be fully responsible for:

a. **Design and Documentation**
   - Prepare and submit detailed shop drawings based on GFC layouts, including structured cabling layouts and all data center passive infrastructure such as power distribution, UPS systems, cooling systems, VESDA, monitoring systems, and associated electrical works, and obtain approval from AUW and the Consultant prior to execution.
   - Submit an execution schedule considering both imported and local materials.
   - Prepare all required documentation, including as-built drawings, calculations, maintenance manuals, and handover documents in compliance with relevant codes.

b. **Supply, Installation, and Commissioning**
   - Supply, lay, dress, terminate, test, and commission the complete structured cabling system.
   - Installation shall include conduits, ducts, cable ladders, trays, patch panels, fiber splicing and jointing, proper labeling, and identification in accordance with **TIA/EIA** standards.
   - Supply, install, test, and commission all required passive components of the structured cabling and fiber optic network.
   - Supply, install, test, and commission all Data Center Passive Infrastructure, including but not limited to UPS systems and associated battery systems, electrical distribution systems, power cabling, power distribution units (PDUs), grounding/earthing and bonding systems, raised floor systems, cable containment systems, cooling systems, VESDA (Very Early Smoke Detection Apparatus), Environmental Monitoring System (EMS), and all associated mechanical and electrical components required for a complete and operational data center environment.

- Ensure all materials comply with **international standards**, are RoHS-compliant, and submit technical datasheets, compliance certificates, and manufacturer authorization letters (MAF/MAL).
- Include all associated costs for installation, testing, certification, labeling, documentation, and commissioning in the quoted BOQ rates.

c. **Site Assessment and Mobilization**

- Conduct detailed site visits and assessments, including verification of site readiness for structured cabling and data center infrastructure such as power availability, space allocation, and environmental conditions.
- Mobilize all required resources, tools, equipment, and manpower, and establish site offices/utilities if required.

d. **Technical Team Assignment**

- Assign a dedicated technical team, including a Project Manager, Project Engineer, and Safety Officer, available throughout the project.
- Ensure at least one qualified engineer specializes in Structured Cabling and Data Center Passive Infrastructure.

e. **Reporting and Progress Monitoring**

- Submit daily field reports, monthly progress reports, material inspection reports, and requests for inspection.
- Maintain proper on-site storage and inventory records for all materials.

3. Testing and Certification

- Conduct comprehensive testing for all structured cabling components in compliance with TIA/EIA standards using certified equipment.
- Conduct testing and commissioning of all Data Center Passive Infrastructure, including UPS systems, electrical distribution systems, grounding/earthing, power cabling, PDUs, cooling systems, and VESDA, in accordance with manufacturer recommendations and applicable international standards.
- Provide test reports and certifications for:
  - Copper cabling (continuity, attenuation, crosstalk, and performance compliance).
  - Fiber optic cabling (insertion loss, return loss, and link performance).
  - Patch panels, terminations, and end-to-end connectivity.
  - UPS systems (functional testing, load testing, and backup performance).
  - Electrical distribution systems (insulation resistance, continuity, and load verification).
  - Grounding and earthing systems (earth resistance measurement and bonding verification).

  - VESDA system (detector testing, airflow sampling verification, and alarm functionality).
  - Environmental Monitoring System (EMS) (sensor calibration and system functionality).
- Correct any defective or substandard work at the contractor's cost.

4. Post-Handover Documentation and Training

Upon completion, the contractor shall:

1. Conduct **comprehensive training** for AUW staff on operation, maintenance, and troubleshooting of the installed infrastructure.
2. Submit the following documentation:
   - As-built drawings.
   - Warranty certificates for all materials and components.
   - Maintenance manuals.
   - Test reports and certifications.
   - Spare parts and sourcing list.

5. Compliance, Safety, and Confidentiality

- Maintain strict confidentiality of all AUW information and documents.
- Ensure compliance with the **Bangladesh National Building Code (BNBC)** and all other applicable local and international standards.
- Obtain all necessary clearances, permits, and approvals prior to execution.
- Implement proper safety measures to protect personnel, equipment, and the site during all stages.
- Arrange labor IDs for all workers and ensure no underage labor is employed.

6. General Conditions

- Prepare detailed **shop drawings based on approved GFC layouts**, including structured cabling pathways, rack layouts, patch panel arrangements, containment systems (trays, ladders, conduits), grounding and bonding layouts, and labeling schemes. All drawings must be approved by the Client and Consultant prior to execution.
- Submit a comprehensive **execution schedule and implementation plan**, covering all phases of Structured Cabling and Data Center Passive Works, including procurement of imported and local materials, installation sequencing, testing, and commissioning activities.
- Prepare complete **documentation package upon project completion**, including as-built drawings, cable routing diagrams, rack elevation drawings, labeling schedules, test reports, and

handover documentation in compliance with **TIA/EIA, ISO/IEC 11801, and relevant data center standards**.

- Submit **material submittals including datasheets, compliance certificates, OEM authorization letters, and brand catalogues** for all structured cabling components (copper, fiber, racks, patch panels, cable management systems, and accessories) for approval by the Client and Consultant.
- Ensure proper **on-site storage and handling of all materials**, including environmental protection for sensitive components (fiber optic cables, connectors, and active-ready passive infrastructure items), with inventory tracking maintained by an authorized storekeeper.
- Any ancillary works required for complete **Data Center Passive Infrastructure implementation** (such as electrical grounding, bonding, containment integration with civil/MEP interfaces, fire stopping within cable penetrations, and rack anchoring systems) not explicitly included in BOQ shall be considered within shop drawings and execution scope.
- All execution works shall strictly follow **approved shop drawings, OEM installation guidelines, and international structured cabling standards (TIA/EIA-568, TIA-569, TIA-606, TIA-607)**.
- Assign a **dedicated qualified technical team**, including Project Manager, Structured Cabling Engineer, Fiber Optic Specialist, and Safety Officer, who shall remain available throughout the project duration.
- Ensure all installation, testing, and commissioning activities comply with **quality assurance requirements, OEM standards, and international data center best practices (Tier-based infrastructure standards where applicable)**.
- Submit and maintain all required project documentation, including:
    - Daily site progress reports
    - Weekly and monthly progress reports
    - Material inspection reports (MIRs)
    - Inspection requests (IRs)
    - Testing and commissioning reports
- Prepare and submit complete **post-handover documentation**, including maintenance manuals, warranty documents, as-built drawings, test certification reports, and recommended spare parts lists.
- If any items or brands are not explicitly mentioned in the BOQ, the contractor shall strictly follow the **technical specifications and approved OEM standards** when selecting equivalent products.
- All imported and local materials may be subject to **factory inspection and approval by the Client/Consultant prior to shipment or delivery**.

- The Client reserves the right to impose penalties for any damage to existing infrastructure, including building systems, IT infrastructure, or civil elements. The penalty amount shall be determined by the Client.
- The contractor shall register and issue **labor identification cards for all site personnel**, and strictly prohibit employment of workers under the age of 18.
- Installation shall include **complete fitting, termination, dressing, labeling, and integration of all structured cabling components**, including copper and fiber optic systems, in accordance with approved drawings and OEM standards.
- All utility costs during execution, including temporary power and data connections required for testing and commissioning, shall be borne by the contractor.
- Any defective, non-compliant, or substandard work shall be rectified by the contractor at their own cost without delay.
- The contractor, along with OEM manufacturers, shall ensure compliance with **international quality standards**, guaranteeing that all components are new, defect-free, and suitable for long-term data center operation with no latent or patent defects.
- The contractor shall ensure safe handling, storage, and transportation of all imported materials from shipment to final commissioning, especially for sensitive fiber optic components.
- The contractor shall submit **complete Method Statement, Risk Assessment, and Detailed Work Program (Gantt Chart with Work Breakdown Structure - WBS)** prior to commencement of works.
- Product submittals shall include full technical data such as:
    - Cable construction details (UTP, FTP, fiber types, OM/OS standards)
    - Rack and enclosure specifications
    - Patch panel and connector details
    - Fire rating and LSZH compliance
    - Installation methods and environmental ratings
    - Manufacturer installation guidelines and operating instructions
- Shop drawings shall include:
    - Cable routing layouts (horizontal and vertical pathways)
    - Rack elevations and cabinet layouts
    - Patch panel termination diagrams
    - Fiber optic splice tray and ODF layouts
    - Grounding and bonding system details
    - Labeling and coding scheme (TIA-606 compliant)
    - Cable tray fill ratio and segregation of power/data pathways

  - Access clearance and maintenance zones
- For systems designed to meet performance requirements, the contractor shall provide **certified test reports and performance verification data**, signed by qualified engineers, including:
  - End-to-end link performance
  - Cable certification results (Fluke or equivalent)
  - Fiber optic loss budgets and OTDR results
  - Compliance with 10G/40G/100G capability where applicable
- Maintenance data shall include **operation manuals, troubleshooting guides, and preventive maintenance procedures** for structured cabling components and passive infrastructure systems.
- Product test reports shall be submitted from OEM or accredited testing laboratories confirming compliance with **TIA/EIA, ISO/IEC, and relevant industry standards**, conducted within the last five (5) years.
- Any additional items required for complete **Data Center Passive Infrastructure integration**, not mentioned in BOQ or specifications, shall be incorporated into shop drawings and approved prior to execution.

A. Pre-Commissioning Inspection (Structured Cabling Systems)

- Visual inspection of cable installation, routing, labeling, termination quality, and rack dressing.
- Verification of cable bend radius, pulling tension, and segregation between power and data cables.
- Check of labeling consistency as per **TIA-606 standard**.
- Verification of grounding and bonding continuity.
- Inspection of containment systems (trays, ladders, conduits) for proper installation and fill ratio compliance.
- Verification of patch panel termination accuracy and port mapping.
- Fiber optic inspection for connector cleanliness, splice quality, and enclosure sealing.

B. Testing & Commissioning Requirements

a. Copper Cabling Testing

- Standard: ANSI/TIA-568 / ISO/IEC 11801
- Certification using Fluke DSX or equivalent
- Parameters: wire map, attenuation, NEXT, PSNEXT, return loss, propagation delay

b. Fiber Optic Testing

- OTDR testing for all fiber links

- Insertion loss and return loss measurement
- Verification of continuity and polarity

c. End-to-End Network Certification

- 100% link certification for all installed drops
- Compliance with minimum **10G performance requirement**

d. Data Center Passive Systems Testing

- UPS systems: functional testing, load testing, and backup performance verification.
- Electrical systems: insulation resistance, continuity, and load distribution testing.
- Grounding and earthing: earth resistance measurement and bonding verification.
- VESDA system: detector testing, airflow sampling verification, and alarm functionality testing.
- Environmental Monitoring System (EMS): sensor calibration and system functionality verification

e. Data Center Passive Systems Testing

- Submit all test reports and commissioning records in both hard and soft copy formats.
- All test results shall comply with applicable international standards and manufacturer recommendations.
- Any failed test results shall be rectified and retested at the Contractor's cost until compliance is achieved.

7. Site Assessment and Mobilization

- Conduct detailed site surveys and assessments as required to verify existing conditions, spatial constraints, and installation pathways relevant to Structured Cabling and Data Center Passive Infrastructure.
- Mobilize all necessary manpower, tools, testing equipment, and installation resources to the site in accordance with the approved execution plan.
- Establish site office facilities, including utility service connections (power, data, and communication) if required for project execution and coordination activities.
- Ensure all mobilization activities comply with safety standards, site regulations, and project-specific requirements prior to commencement of works.

8. Detailed Site Survey, Design Review, and Drawing Submission

The awarded Bidder shall be fully responsible for conducting a comprehensive site survey and for reviewing, verifying, updating, and/or developing all required drawings related to the Data Center Passive Infrastructure works. This shall include, but not be limited to, raised floor layout, rack layout, UPS systems and battery configuration, power distribution systems (including single line diagrams and panel schedules), cable ladder and tray routing, grounding and earthing systems, cooling equipment placement, VESDA (fire detection) system, environmental monitoring systems, and all other associated infrastructure and services.

The Bidder shall verify all site conditions, dimensions, and existing infrastructure prior to design finalization, and shall ensure that all drawings are fully coordinated with architectural, electrical, and MEP services to avoid any clashes during execution.

The Vendor shall prepare and submit detailed CAD drawings, layouts, schematics, and coordination drawings for review and approval prior to the commencement of any supply, installation, or execution activities. All drawings shall be developed in close coordination with the Client/Consultant and shall accurately reflect actual site conditions, approved equipment specifications, routing paths, clearances, access requirements, maintenance zones, and integration with existing systems.

Approved drawings shall form an integral part of the execution scope as defined under the RFQ/BOQ, and no deviation shall be permitted without prior written approval from the Client/Consultant.

9. Site Survey and Coordination Requirements

All interested and participating Bidders shall be required to conduct a mandatory site survey prior to bid submission to fully assess site conditions, space constraints, routing feasibility, load distribution requirements, system interfaces, coordination requirements, and the overall complexity of the Data Center Passive Infrastructure works.

The Bidder shall be deemed to have included within the quoted bid price all costs associated with site survey activities, preparation and revision of drawings, coordination with other trades, documentation, approvals, and all related engineering efforts. No additional claims, variations, or cost adjustments shall be entertained for drawing-related activities, design revisions, coordination requirements, or any associated works necessary for the successful completion of the project.

10. Documentation & Compliance

The contractor shall prepare, maintain, and submit all necessary documentation to ensure compliance and proper handover of the Structured Cabling and Data Center Passive Infrastructure:

- **Mock-Up Test Reports:** Submit approved pre-installation mock-up test reports demonstrating compliance with design and performance requirements for copper and fiber cabling systems, including patch panels, racks, containment, and cable routing.

- **As-Built Drawings and Test Certifications:** Provide complete as-built drawings showing final cable pathways, termination points, rack layouts, and containment systems. Submit certified test reports for all copper and fiber links, including Fluke or equivalent analyzer reports, verifying adherence to TIA/EIA and ISO/IEC standards.

- **Inspection Checklists:** Submit inspection checklists signed by the Consultant or an accredited third-party testing agency, confirming quality, compliance, and proper installation of all passive cabling components.

- **Manufacturer's Warranty and Maintenance Manuals:** Provide all relevant OEM warranty certificates for cabling, connectors, patch panels, racks, and other passive components. Submit comprehensive maintenance manuals detailing preventive maintenance procedures, troubleshooting, and operational guidelines for AUW's staff.

All documentation shall be complete, accurate, and sufficient to allow AUW to operate, maintain, and manage the installed Structured Cabling and Data Center Passive Infrastructure efficiently.

Summary of Qualification of Tenderers

The Applicant must meet the following qualification criteria:

1. Minimum Ten (10) years of experience in Structured Cabling and Data Center Passive Works.
2. The Bidder shall have specific experience in Structured Cabling and Data Center Passive Works, with at least one (01) contract of similar nature, complexity, and construction methods/technology successfully completed within the last five (05) years, having a minimum contract value of Bangladeshi Taka 5 (Five) Crore. In addition, the Bidder shall submit at least one (01) work completion certificate for a Structured Cabling project executed within the last five (05) years, demonstrating successful installation of a minimum of nine hundred (900) network nodes.
3. Experience in completing Structured Cabling and Data Center Passive Works for a building with a total built-up area of at least 9,000 square meters.
4. The average annual turnover shall be greater than Tk. 10 (Ten) crore, calculated over the best three (3) years within the last five (5) years.
5. The minimum amount of liquid assets, i.e., working capital or credit line(s), of the Tenderer shall be Tk. 3.00 (Three) crore.
6. Proven reputation as a 1 Tier 3/RATED-2 completion certificate valued Bangladeshi Taka Five (5) Crore in either public and private sectors, supported by a detailed company profile, client list, and work accomplishment certificates.
7. The applicant must not have any record of contract non-performance in the **last 5 years** from the RFP publication date.
8. All pending litigation must not exceed **15% of the applicant's net worth**.
9. Applicants must demonstrate relevant professional and technical qualifications, managerial capability, a reliable reputation for contract performance, and the availability of adequate and skilled personnel, including at least **one (01) Certified Data Center Professional (CDCP), one (01) qualified and experienced OEM certified engineer specialized in structured cabling and one (01) PMP-certified professional on the bidder's payroll.**
10. The successful Applicant, who later becomes the Tenderer, is required to perform the works and services as described in the subsequent Tender.
11. Applicants must have access to the **necessary equipment and physical facilities** to perform the work, either by: **Owning** the equipment; having **proven access** through a **contractual arrangement** (e.g., lease or hire); Or having **assured access** to such equipment for the required duration. All required equipment must be in **full working condition.**
12. Bidder Should submit manufacturing authorization letter directly from OEM.

Section 1. Instructions to Applicants

1. Interpretation 1.1 Throughout this qualification Document:

(a) the term **"in writing"** means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail;

(b) if the context so requires, **singular** means plural and vice versa;

(c) **"day"** means calendar days unless otherwise specified as working days;

(d) **"Qualification Document"** means the Document provided by the Employer to an Applicant as a basis for preparation of the Application; and

(e) **"Application"** depending on the context, means an application submitted by an Applicant for Qualification to participate in the subsequent Tenders and to perform the Contract, in response to an Invitation for Qualification.

1.1 Corrupt, Fraudulent, Collusive or Coercive Practices

1.2 It is the Employer's policy to require that Employer's staff, as well as Applicants/Tenderers, suppliers, and contractors and their subcontractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Authority-.

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) **"corrupt practice"** is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

(ii) "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

(iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

(v) "obstructive practice" is (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (bb) acts intended to materially impede the exercise of the Authority's inspection and audit rights provided.

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;

(c) will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, a contract.

2. Source of Funds

The Employer will arrange fund towards the cost of the project named in the ADS. The Employer intends to apply a portion of that funds to eligible payments under the contract(s) resulting from the Tendering for which this prequalification is conducted.

3. Eligible Applicants

3.1 This Invitation for Qualification is open to all potential Applicants from all countries, except Israel. An Applicant will be eligible if it is a citizen, or is constituted, registered and operates in conformity with the provisions of the laws of that country.

3.2 Applicants may be a physical or juridical individual or body of individuals, or company, association or any combination of them in the form of a Joint Venture, Consortium or Association (JVCA) invited to take part in public procurement or seeking to be so invited or submitting an Applicant in response to an Invitation for Qualification.

3.3 Applicants shall have the legal capacity to enter into the Contract under the Applicable Law.

3.4 Applicants and all parties constituting the Applicant shall not have a Conflict of Interest. Applicants in its own name or its other names or also in the case of its Persons in different names shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive or coercive practices.

3.5 Applicants with a poor performance, consistent history of litigation or arbitration awards against it shall not be eligible for Qualification.

3.6 Applicants shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.

3.7 Applicants shall have fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of the country of its origin.

3.8 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer will reasonably request.

3.9 Applicants' requirements for eligibility will extend, as applicable, to each JV partner and Specialist Subcontractor proposed by the Applicant.

3.10 This Invitation for Qualification is open to all potential Applicants from all countries, except Israel. An Applicant will be eligible if it is a citizen, or is constituted, registered and operates in conformity with the provisions of the laws of that country.

3.11 Applicants may be a physical or juridical individual or body of individuals, or company, association or any combination of them in the form of a Joint Venture, Consortium or Association (JVCA) invited to take part in public procurement or seeking to be so invited or submitting an Applicant in response to an Invitation for Qualification.

3.12 Applicants shall have the legal capacity to enter into the Contract under the Applicable Law.

3.13 Applicants and all parties constituting the Applicant shall not have a Conflict of Interest. Applicants in its own name or its other names or also in the case of its Persons in different names shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive or coercive practices.

3.14 Applicants with a poor performance, consistent history of litigation or arbitration awards against it shall not be eligible for Qualification.

3.15 Applicants shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.

3.16 Applicants shall have fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of the country of its origin.

3.17 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer will reasonably request.

3.18 Applicants' requirements for eligibility will extend, as applicable, to each JV partner and Specialist Subcontractor proposed by the Applicant.

4. Eligible Materials, Equipment and Associated Services

4.1 All materials, equipment and associated services to be supplied under the Contract are from eligible sources, unless their origin is from Israel.
4.2 For the purposes of this Clause, **"origin"** means the place where the Materials and Equipment's are mined, grown, cultivated, produced or manufactured or processed, or through manufacturing, processing, or assembly, another commercially recognized new product results that differs substantially in its basic characteristics from its components or the place from which the associated services are supplied.

5. Site Visit

5.1 Applicants must visit and examine the Site of Works and its surroundings and obtain, at their own responsibility and expense, all information necessary for preparing the Application, submitting any subsequent Tender, and entering into a contract.

5.2 Applicants and any of its personnel or agents will be granted permission by the Employer to enter into its premises and lands for the purpose of such visit, but only upon the express condition that the Applicant, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

5.3 The costs of visiting the Site shall be at the Applicants' own expense.

6 Qualification: General

Qualification Document

6.1 The Sections comprising the Qualification Document are listed below, and should be read in conjunction with any Addendum issued under ITA Clause 11.

- Section 1 Instructions to Applicants (ITA)
- Section 2 Application Data Sheet (ADS)
- Section 3 Application Forms
- Section 4 Scope of Works

6.2 Applicants are expected to examine all instructions, forms, terms, and specifications in the Qualification Document as well as in Addendum to Qualification, if any.

7 Clarification of Qualification Document

7.1 Applicants requiring any clarification of the qualifications Document shall contact the Employer in writing at the Employer's address indicated in the RFP before **two-third** of the time allowed for preparation and submission of Application elapses.

7.2 Non-performance of a contract shall not occur within the last years, prior to the deadline for Application submission based on all information on fully settled disputes or litigation.

8 Litigation History

8.1 For the purpose, a fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract and where all appeal instances have been exhausted.

8.2 For a Joint Venture under ITA Sub Clause 18.1, the precise minimum requirements of Leading Partner and other partners shall be as specified in the ADS.

9 Joint Venture, Consortium or Association (JVCA)

9.1 Applicants may participate in the qualification process and subsequent procurement proceedings by forming a Joint Venture, Consortium or Associations (JVCA) or alternately with the intent to enter into such an agreement supported by a Letter of Intent.

9.2 The JV agreement, indicating at least the parts of the Works to be executed by the respective partners, shall be legally entered into case-by-case in the Applicant's Leading Partner's country of origin, as specified in the ADS, duly signed by all legally authorized representatives of the Persons who are parties to such agreement.

9.3 Applicants, as an alternate to ITA Sub Clause 9.2, may intend to enter into a JV agreement case-by-case in the form of a Letter of Intent along with the proposed agreement, indicating at least the parts of the Works to be executed by the respective partners, duly signed by all partners of the intended JV and authenticated by an authority of the Applicant's Leading Partner's country of origin, as stated in the ADS, with the declaration that the partners will execute the Joint Venture agreement in the event the Applicant, in the first place pre-qualified and then successful in the subsequent Tender.

9.4 Applicants shall submit the Letter of Intent and the proposed JV agreement along with the Application.

9.5 For a Joint Venture under ITA Sub Clause 9.1, the precise minimum qualification requirements of Leading Partner and other partners shall be as specified in the ADS.

9.6 In cases where a JV partner's, personnel capacity, equipment capacity and financial capacity individually fulfils the precise minimum qualifying requirement of that particular component as specified, capacities of such partner(s) in the JV will be combined together for summation to determine the total precise minimum qualifying requirements criterion of that JV as stated under ITA Sub Clause 9.5.

9.7 Each partner of the JV shall be jointly and severally liable for the execution of the Contract, all liabilities and ethical and legal obligations in accordance with the Contract terms.

9.8 The JV shall nominate a Representative (partner-in-charge) who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JV.

9.9 The composition or the constitution of a JV once formed shall not be allowed to be altered prior to signing of the Contract.

9.10 Alteration of partners to the composition or constitution at a date later than the signing of the Contract during execution shall be allowed by the Employer only when any of such partners is found to be incompetent or has serious difficulties which may impact the overall implementation of the proposed Works, where the incoming partner shall require to have qualifications higher than that of the outgoing partner.

9.11 Each partner of the JV shall complete the JV Partner Information (Form F3) for submission with the Application.

10 Contents of Application

10.1 The Application prepared by the Applicants shall comprise the following:

10.1.1 Application Submission Letter (**Form F-1**);

10.1.2 Applicant Information (**Form F-2**);

10.1.3 documents demonstrating that they are enrolled in the relevant professional or trade organizations registered in their country of origin;

10.1.4 written confirmation authorizing the signatory of the Application to commit the Applicant;

10.1.5 documents confirming the legal capacity stating that there are no existing orders of any judicial court that prevents either the Applicant or employees of that Applicant subsequently entering into or signing a Contract with the Employer;

10.1.6 documents confirming that the Applicant is not insolvent, in receivership, bankrupt or in the process of bankruptcy, temporarily barred from undertaking business and shall not be the subject of legal proceedings for any of the foregoing;

10.1.7 documents confirming that all claims, arbitration or other litigation cases have been satisfactorily resolved, and if not, they shall have no serious negative impact on the financial capacity of the Applicant;

10.1.8 documents confirming that the Applicant has fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of its country of origin as a proof of fulfilment of taxation obligations;

10.1.9 documents establishing the Applicant's eligibility to perform the contract;

10.1.10 documents establishing the origin of all Materials, Equipment and services to be supplied under the Contract, as stated under ITA Clause 26;

10.1.11 documents establishing the minimum qualifications of the Applicant required to be met for due performance of the Works and physical services under the contract;

10.1.12 any other document as specified in the ADS.

10.2 In addition to the requirements stated under ITA Sub Clause 9.1, Applications submitted by a JV or proposing a Specialized Subcontractor shall include:

10.2.1 Joint Venture Agreement legally entered into in the Applicant's Leading Partner's country of origin, by all partners, as stated under ITA Sub Clause 18.2;

Or,

10.2.2 Letter of Intent along with the proposed agreement duly signed by all partners of the intended JV and authenticated by an authority of the Applicant's Leading Partner's country of origin with the declaration that it will execute the Joint Venture Agreement in the event the Applicant and the Tenderer is successful in the subsequent Tender, as stated under ITA Sub Clause 18.3;

10.2.3 the JV Partner Information (**Form F-3**), as stated under ITA Sub Clause 18.11;

10.2.4 the Specialist Subcontractor Information (**Form F-4**), as stated under ITA Sub Clause 19.6.

11 Documents Establishing the Applicant's Qualification

11.1 Applicants shall complete and submit the Applicant Information (**Form F-2**) and shall include documentary evidence, as applicable to satisfy the following:

11.1.1 details on the financial standing of the Tenderer, such as profit and loss statements and corresponding auditor's report establishing the liabilities and assets;

11.1.2 details of general experience in Fire management works on case-by-case procurement proceedings performed for each of the last years along with the sums, dates and recipients;

11.1.3 details of specific experience in construction works of similar nature and size on case-by-case procurement proceedings performed for each of the last years along with the sums, dates and recipients;

11.1.4 details of average annual turnover for a period;

11.1.5 details of existing commitments and works to assess the minimum Tender Capacity;

11.1.6 details of adequacy of working capital for the subsequent Tender i.e., access to line(s) of credit and availability of other financial resources;

11.1.7 details of numbers of technical and administrative personnel along with their qualification and experience proposed for the subsequent Tender;

11.1.8 details of Applicant's technical facilities, available major construction equipment's, measures for ensuring quality such as, ISO certification and design, research and development facilities proposed to carry out the Contract;

11.1.9 details of Procuring Entities who may be contacted, if necessary, by the Employer; and authority to seek references from the Applicant's bankers or any other sources.

12.2 Applicants, if applying as an existing or intended JV, shall submit documentary evidence to establish its qualifications as stated under ITT and, in particular, it shall submit an affidavit nominating one of the JV partners as the REPRESENTATIVE (partner-in-charge) who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JV.

12 Bank Guarantees

12.1 Performance Bank Guarantee Clause

12.1.1 The successful bidder, upon receiving the Notification of Award (NoA), shall furnish an unconditional and irrevocable **Performance Bank Guarantee** in favor of *Asian University for Women (AUW)*.

12.1.2 The amount of the Performance Bank Guarantee shall be **ten percent (10%) of the total Contract Price**, issued from any scheduled bank operating in Bangladesh and acceptable to AUW.

12.1.3 The Performance Bank Guarantee shall remain **valid until twenty-eight (28) days after the completion of the Defects Liability Period** or final acceptance of the works, whichever is later.

12.1.4 Failure to submit the Performance Bank Guarantee within the stipulated time may result in the cancellation of the award and forfeiture of any right to the contract.

12.1.5 The Performance Bank Guarantee shall be returned to the Contractor upon satisfactory completion of all contractual obligations and submission of all completion documents as per AUW's satisfaction.

12.1.6 AUW reserves the right to **invoke the Performance Bank Guarantee**, in whole or in part, in the event of the Contractor's default, non-performance, or breach of any contractual terms.

12.2 **Advance Payment Bank Guarantee (if applicable)**

12.2.1 If the Employer provides any **advance payment** to the Contractor, the Contractor shall furnish an **unconditional and irrevocable bank guarantee** for the full amount of the advance, valid until the advance is fully recovered.

12.2.2 The Employer may encash the bank guarantee in the event the Contractor **fails to utilize the advance for the purpose of contract execution**.

12.3 **Invocation of Bank Guarantee**

12.3.1 The Bank Guarantee shall be **payable on demand** and **irrevocable**, and the Employer's written statement regarding Contractor's default shall be **conclusive** for the purpose of encashment.

12.3.2 The Bank Guarantee shall remain valid regardless of any disputes under the Contract, until it is **released in writing by the Employer**.

13. Insurance Requirements

12.1 **General Insurance Coverage**

The Contractor shall, at its own cost and expense, maintain insurance coverage throughout the duration of the Project to adequately cover risks associated with the performance of the Work. All insurance policies shall be issued by insurers acceptable to the Employer and shall remain in force until the completion of the Project.

12.2 **Material Insurance**

The Contractor shall insure all materials, equipment, and supplies brought to or used on the Project site against loss or damage due to fire, theft, vandalism, natural hazards, or any other risks associated with handling, storage, and transportation. The coverage shall be for the full replacement value of the materials.

13.3 **Personnel Insurance**

The Contractor shall provide adequate insurance coverage for all personnel, including employees, subcontractors, and consultants, engaged in the execution of the Project. This shall include, but is not limited to:

13.4 Workers' compensation or equivalent coverage as required by law Personal accident and injury insurance Health and medical coverage in case of work-related incidents

13.5 **Liability Insurance**

The Contractor shall maintain public liability and third-party liability insurance to cover claims arising from bodily

injury, death, or property damage caused by the Contractor's activities, equipment, or personnel during the execution of the Project.

13.6 Proof of Insurance

Prior to commencement of work, the Contractor shall submit certified copies of all insurance policies or certificates of insurance to the Employer. All insurance policies shall require that no cancellation or material modification shall be effective without at least thirty (30) days prior written notice to the Employer.

13.7Additional Requirements

The Contractor shall ensure that all subcontractors maintain similar insurance coverage. The Contractor shall be responsible for any gaps in coverage resulting from subcontractor non-compliance.

14. Liquidated Damages

14.1 If the Contractor fails to complete the Works or any part thereof within the time specified in the Contract, the Contractor shall be liable to pay **liquidated damages** at the rate of **1% (one percent) of the Contract Price per week** of delay, unless otherwise specified in the Contract.

14.2The total amount of liquidated damages shall not exceed **10% (ten percent) of the Contract Price**.

14.3 Liquidated damages shall be **deducted from any payments due to the Contractor**, including the Performance Security, without prejudice to any other rights of the Employer under this Contract.

15 Termination

15.1 Termination for Default

15.1.1 If the Contractor:

a. Fails to commence, continue, or complete the Works in accordance with the Contract; or

b. Fails to remedy any breach, delay, or defect within the period specified in a written notice from the Employer; the Employer may, at its sole discretion, **terminate the Contract for default**, in whole or in part.

15.1.2 Upon termination for default, the Employer shall have the right to:

a. **Cancel the Contract** immediately;

b. **Engage another Contractor** to complete the Works at the risk and cost of the defaulting Contractor;

c. **Recover from the Contractor all additional costs, losses, and damages** incurred as a result of the Contractor's

failure, including legal and administrative expenses;

d. **Forfeit any Performance Security or other guarantees** provided by the Contractor;

e. **Restrict or debar the Contractor** from future contracts with the Employer for a period as deemed appropriate.

15.1.3 Termination under this Clause shall be **without prejudice to any other remedies** available to the Employer under the Contract or applicable law, including claims for additional damages or specific performance.

15.2Termination for Convenience

15.2.1 The Employer may, at any time, **terminate the Contract, in whole or in part, for convenience**, without assigning any reason.

15.2.2 In such cases, the Contractor shall be entitled to payment for:

a. Work executed up to the date of termination; and

b. Reasonable costs incurred for materials or commitments directly related to the terminated portion, but **shall not be entitled to any loss of profit or unperformed work**.

15.3 **Termination for Insolvency or Bankruptcy**

15.3.1 If the Contractor becomes **insolvent, bankrupt, or enters into receivership or liquidation**, the Employer may **terminate the Contract immediately**.

15.3.2 The Employer shall have the right to **recover costs incurred to complete the Works** from any outstanding payments or Performance Security.

15.4 **Termination for Force Majeure**

15.4.1 If a **Force Majeure event** persists for a period exceeding 90 days, the Employer or Contractor may terminate the Contract by giving written notice.

15.4.2 Upon termination due to Force Majeure:

a. Neither party shall be liable for damages resulting directly from the termination;

b. The Contractor shall be paid for all work executed up to the date of termination.

15.5 **Acceleration and Material Breach**

15.5.1 In case of delays or partial non-performance, the Employer may issue a **directive for accelerated performance**.

15.5.2 Failure to comply with the acceleration directive shall constitute a **material breach**, justifying immediate termination under Clause 15.1

15.6 **Effect of Termination**

15.6.1 Termination of the Contract under any of the above clauses shall be **without prejudice to any other rights or remedies** of the Employer under the Contract or applicable law.

15.6.2 All obligations of the Contractor regarding **confidentiality, indemnity, and warranty** shall survive termination.

15.7 **Acceleration of Completion**

15.7.1 In the event of any delay or failure to accomplish the task, the Employer may issue a **written directive for accelerated performance**, specifying the revised timeline and milestones.

15.7.2 Failure to comply with the acceleration directive shall be treated as a **material breach**, justifying immediate termination and enforcement of ITA 15.2.

16. Descope and Backcharge

16.1 Descope of Work

16.1.1 The Employer reserves the right to **descope, reduce, or modify the scope of work** under the Contract, in whole or in part, by giving written notice to the Contractor.

16.1.2 Upon receiving a descope notice, the Contractor shall:

a. Immediately **stop work on the descoped items**;

b. Submit a **revised work plan, cost estimate, and schedule** within 7 working days; and

c. **Deliver any completed work, materials, or documentation** related to the descoped items.

16.1.3 The Employer shall **adjust the Contract Price** proportionally to reflect the descoped work. Such adjustment shall include:

a. Reduction of contract payment corresponding to the value of descoped items; and

b. Recovery of any **unapproved costs incurred by the Contractor** on the descoped items.

17.1 Back charge

17.1.1 The Employer may **back charge the Contractor** for costs or damages incurred due to:

a. Non-performance, defective work, or delay caused by the Contractor;

b. Failure to comply with specifications, drawings, or contractual obligations; or

c. Additional work or remedial work carried out by the Employer or third parties to complete the Contractor's scope.

17.1.2 Back charge amounts shall be:

a. **Deducted from any payment due** to the Contractor, including Performance Bank Guarantee; or

b. **Payable by the Contractor directly** within 15 days of written notice.

17.1.3 The Contractor shall **not be entitled to any extension of time, additional payment, or claim** for costs related to the back charged items.

17.2 Procedure for Issuing Descope or Backcharge Notices

17.2.1 The Employer shall issue **written notice specifying**:

a. The descoped work or backcharged items;

b. The reason for descope or backcharge;

c. The monetary amount, if applicable; and

d. The time for compliance or payment.

17.2.2 The Contractor shall **acknowledge receipt of the notice** and comply with all instructions without delay.

18 Survival of Rights

All rights of the Employer to descope, backcharge, recover costs, or enforce compliance under this Clause shall **survive the termination or completion of the Contract**.

19 Employer's Entitlement to Remedy Default

If the Contractor fails to execute any part of the Works, to remedy a defect, or to complete outstanding work within a reasonable time following notice from the Employer, the Employer shall be entitled to carry out all necessary work at the Contractor's cost by employing other persons. All necessary costs so incurred shall constitute a debt due from the Contractor to the Employer, recoverable by deduction from payments due or otherwise; provided always that the Contractor's liability and obligations under the Contract shall not be affected or diminished by the exercise of this right by the Employer.

20 DISPUTES

In no event shall AUW be liable to the Contractor for payments for any extra work the Contractor performs in addition to that required under the Statement of Work above unless the Contractor performs such work by written directive of AUW and unless the contract is amended accordingly. No officer, director, employee, or agent of AUW is authorized to direct any extra work by oral order. In the event of any claims or disputes arising from or

relating to this contract, the parties shall use their best efforts to settle the claims or disputes. To this effect, they shall consult and negotiate with each other in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they fail to reach such a solution within THIRTY (30) days, either Party may refer the matter to arbitration, as per the law of Bangladesh, which shall be the exclusive method of resolving such disputes. The arbitration shall be conducted in Chattogram, Bangladesh. The results of arbitration shall be final and binding on the Parties and shall be in lieu of any other remedy.

21 Engineer's Instructions

The Engineer may issue to the Contractor (at any time) instructions which may be necessary for the execution of the works, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer or from the Engineer's Representative (if appointed) or an assistant to whom the appropriate authority to give instruction has been delegated (Delegation by the Engineer).

Subject to the following provisions, the Contractor shall comply with the instructions given by the Engineer or the Engineer's Representative (if appointed) or delegated assistant, on any matter related to the Contract.

If an instruction states that it constitutes a Variation, (Variation by instruction) shall apply.

If not so stated and the Contractor considers that the instruction:

(a) Constitutes a Variation (or involves work that is already part of an existing Variation); or
(b) does not comply with applicable laws or will reduce the safety of the works or is technically impossible.

the Contractor shall immediately, and before be commencing any work related to the instruction, give a Notice to the Engineer with reasons. It the Engineer does not respond within 7 days after receiving this Notice, by giving a Notice confirming, reversing or varying the instruction, The Engineer shall be deemed to have revoked the instruction. Otherwise the Contractor shall comply with and be bound by the rems of the Engineer's response.

22 Defects and Rejection

If, as a result of an examination, inspection, measurement or testing, any plant, Materials, Contractor's design (if any) or workmanship is found to be defective or otherwise not in accordance with the Contract, the Engineer shall give a Notice to the Contractor describing the item of Plant, Materials, design or workmanship that has been found to be defective. The Contractor shall then promptly prepare and submit a proposal for necessary remedial work.

The Engineer May Review this proposal, and may give a notice to the Contractor stating the extent to which the proposed work, if carried out, would not result in the Plant, Materials, Contractor's design (if any) or workmanship complying with the Contract. After receiving such a Notice, the Contractor shall promptly submit a revised proposal to the Engineer. If the Engineer gives no such notice within 14 days after receiving the Contractor's proposal (or revised proposal), The Engineer shall be deemed to have given a notice of No-objection.

If the Contractor fails to promptly submit a proposal (or revised proposal) for remedial work, or fails to carry out the proposed remedial work to which the engineer has given (or is deemed to have given) a notice or No-objection, the Engineer may instruct:

a. If any work, materials, design, goods, or services provided by the Contractor are found to be defective, non-compliant, or otherwise unsatisfactory, AUW may require the Contractor to correct, replace, or remedy such deficiencies at the Contractor's own risk and cost. Any necessary retesting, reinspection, or verification following such remedial

actions shall also be carried out at the Contractor's expense.

b. If such defects, deficiencies, rejection, or retesting result in additional costs, losses, or delays to AUW, the Contractor shall be liable for and reimburse AUW for all such reasonable additional costs incurred.

23 Employer's Entitlement to Remedy Default

If the Contractor fails to execute any part of the Works, to remedy a defect, or to complete outstanding work within a reasonable time following notice from the Employer, the Employer shall be entitled to carry out all necessary work at the Contractor's cost by employing other persons. All necessary costs so incurred shall constitute a debt due from the Contractor to the Employer, recoverable by deduction from payments due or otherwise; provided always that the Contractor's liability and obligations under the Contract shall not be affected or diminished by the exercise of this right by the Employer.

24 Alternatives due to failure of completion by the contractor

If the contractor fails to complete specific items of work within the time schedule, the client reserves the right to assign to the completion of works those specific items to another contractor. The cost incurred for completing those items will be deducted from the original contractor's total bill. Additionally, the Defects Liability Period (DLP) for the reassigned work will still be the responsibility of the original (general) contractor.

Section 2. Application Data Sheet

ITA Clause	Amendments of, and Supplements to, Clauses in the Instructions to Applicants
	RFP IDENTIFICATION NO: _____
A. General	
ITA 1.1	The Employer is ***Asian University for Women represented by Deputy Project Director, Asian University for women, 20/A, M.M Ali Road, Chattogram-4000, Bangladesh.***
	The Name of the Subsequent Tender is: **Structured Cabling and Data Center Passive Infrastructure Works *for three storied with a semi- basement Academic Building for Asian University for women*.** Application Ref:..... Package No:..... *[if there is more than one(1) lot, individual lots are to be identified]*
ITA3.1	The source of public funds is: ***AUW own fund.***
ITA3.3	The name of the Development Partner is: ***None***
ITA6.1	Materials, Equipment's and associated services from the following countries are not eligible: ***Israel***

B. Qualification Criteria	
ITA13.1	Non-performance of a contract shall not occur within the last ***5 (five)*** years. [*years counting backward from the date of publication of RFP]*
ITA13.2	All pending litigation shall in total not represent more than ***15 (fifteen)*** percent of the Applicant's net worth.
ITA 14.1 (a)	The minimum number of years of general experience of the Applicant in public or private Structured Cabling and Data Center Passive Infrastructure Works as Prime Contractor shall be *10 (Ten)* years. [*years counting backward from the date of publication of RFP]*
ITA14.1 (b)	The minimum specific experience as Structured Cabling and Data Center Passive Infrastructure Works of at least ***1 (one)*** contract(s) of similar nature, complexity and methods/technology completed over a period of ***5 (five)*** years shall be required. *[years counting backward from the date of publication of RFP.]*
ITA 14.1(c)	A satisfactory completion of similar works of at least BDT 5 ***(Five) crore*** under a single contract over a period of ***5 (Five)*** years shall be required. *[years counting backward from the date of publication of RFP.]*

ITA 15.1

The required average annual Structured Cabling and Data Center Passive Infrastructure Works turnover shall be greater than *BDT **10 (Ten)*** crore calculated over best (3) three years within the last ***5 (five) years***.

[years counting backward from the date of publication of RFP.]

ITA 15.1(c)

The minimum amount of liquid assets or working capital or credit facilities of the Applicant shall be greater than ***BDT 3 (Three) crore*** on a day after publication of RFP.

ITA 16.1(a)

A Project Manager shall have the following qualifications and experience:

No	Position	Total Works Experience (years)	In Similar Works Experience(years)
1.	Project Manager (PMP)	10 yrs	8 yrs

ITA 16.1(b)

The minimum number of Engineers with qualifications and experience shall be as follows:

No.	Position	Total Works Experience (years)	In Similar Works Experience (years)
1.	Project Engineer (B.Sc. CSC/EEE/CCE/ETE) (CDCP)	Min. 5 yrs	Min. 3 yrs
2.	Project Engineer, (B.Sc./ CSC/EEE/CCE/ETE) (Major Product - OEM Certified)	Min. 5 yrs	Min. 3 yrs

ITA 16.1(c)

Other key staff with qualifications and experience shall be as follows *[state requirements]*:

No.	Position	Total Works Experience (years)	In Similar Works Experience (years)
1.	Engineer. (B.Sc. CSC/EEE/CCE/ETE)	Min. 5 yrs.	Min. 03 yrs

ITA 17.1

The Applicant shall own or have proven access to hire or lease of the major equipment to accomplish the tasks, Mention the equipment lists to accomplish the tasks as below:

No	Equipment Type and Characteristics	Minimum Number Required
1.	Essential tools & equipment	
2.	Essential tools & equipment for small scale metal works	
3.		
4.		
5.		
6.		
7.		

ITA 18.2

In the case the Applicant's Leading Partner's country of origin is Bangladesh, the value of non-judicial stamp for execution of the Joint Venture agreement shall be BDT ***BDT 300 (three hundred) only***

ITA 18.3

In the case the Applicant's Leading Partner's country of origin is Bangladesh, the Letter of Intent along with the proposed agreement shall be authenticated by a Notary Public.

<table>
<tr><td>ITA 18.5</td><td>The minimum qualification requirements of Leading Partner and other Partner(s) of a JV shall be as follows:
<table>
<tr><th>ADS Clauses References</th><th>Requirements by summation</th><th>Requirements for Leading Partner</th><th>Requirements for another Partner(s</th></tr>
<tr><td>ITA-14.1(a)</td><td>Summation not applicable</td><td>Same as stated in ADS</td><td>Same as for Leading Partner</td></tr>
<tr><td>ITA-14.1(b)</td><td>100%</td><td>At least one characteristic</td><td>Not applicable</td></tr>
<tr><td>ITA-14.1(c)</td><td>100%</td><td>At least one characteristic</td><td>Not applicable</td></tr>
<tr><td>ITA-15.1(a)</td><td>100%</td><td>40%</td><td>25%</td></tr>
<tr><td>ITA-15.1(b)</td><td>100%</td><td>40%</td><td>25%</td></tr>
<tr><td>ITA-15.1(c)</td><td>100%</td><td>40%</td><td>25%</td></tr>
<tr><td>ITA-16.1(a)</td><td>Summation not applicable</td><td>To be appointed by lead partner</td><td>Not applicable</td></tr>
<tr><td>ITA-16.1(b)</td><td>100%</td><td>At least one characteristic</td><td>Not applicable</td></tr>
<tr><td>ITA-16.1(c)</td><td>100%</td><td>At least one characteristic</td><td>Not applicable</td></tr>
<tr><td>ITA-17.1</td><td>100%</td><td>At least one characteristic</td><td>Not applicable</td></tr>
</table></td></tr>
<tr><td>ITA 19.4</td><td>The Employer intends to execute the following specific components of the proposed Works by the Nominated Subcontractor(s): None</td></tr>
<tr><td>ITA 20.1</td><td>Domestic Preference shall not be applicable for eligible National Tenderers</td></tr>
<tr><td colspan="2">D. Application Preparation</td></tr>
<tr><td>ITA 23.4</td><td>Use of Qualification Document posted in the website is not permitted for preparation of Applications.</td></tr>
<tr><td>ITA 25.1</td><td>The Applicant shall provide with its Application the following additional documents: None</td></tr>
</table>

E. Application Submission	
ITA31.1	For ***Application submission purposes*** only, the Employer's address is: For ***Tender submission purposes*** only, the Procuring Entity's address is: TO AUW PROCURMENT COMMITTEE Email address: tender164@auw.edu.bd The deadline for the submission of Applications is: *Time & Date: 12:01pm. 6 /21/2026*

Section 3. Application Forms

Form	Title
	Application Forms
F – 1	Application Submission Letter
F – 2	Applicant Information
F – 3	JV Partner Information (*if applicable*)
F – 4	Subcontractor Information (*if applicable*)
F – 5	Historical Contract Non-Performance
F – 6	Personnel Information

ASIAN UNIVERSITY FOR WOMEN

Application Submission Letter (Form F-1)

[This letter should be completed and signed by the Authorized Signatory preferably on the Letter-Head Pad of the Applicant]

To:

[Contact Person] [Name of Employer] [Address of Employer]

Date: [dd/mm/yy]

Invitation for Qualification No: ***[indicate RFP No]***

Tender Package No: ***[indicate Package No]***

This Package is divided into the following Number of Lots ***[indicate number of Lot(s)]***

We, the undersigned, apply to be qualified for the referenced Works and Physical Services and declare that:

(a) We have examined and have no reservations to the Qualification Document, issued by you on *[insert date];* including [*state numbers*].

(b) We, including as applicable, any JVCA partner or Specialist Subcontractor for any part of the contract resulting from this Qualification process, have nationalities from eligible countries according to the ITA.
[insert the nationality of the Applicant, including that of all partners in case of a Joint Venture, and the nationality of each already identified subcontractor, if applicable];

(c) we are submitting this Application as a sole Applicant;
or
we are submitting this Application as the partners of a JVCA, comprising the following other partners;

Sl. No	Name of Partner	Address of Partner
1		
2		
3		

or

(e) we, including as applicable any JVCA partner, declare that we are not associated, nor have been associated in the past, directly or indirectly, with a consultant or any other entity that has prepared the design, specifications and other documents in accordance with ITA;

(f) we intend to subcontract an activity or part of the Works, to the following Specialist Subcontractor(s);

Activity or part of the Works	Name of Specialist Subcontractor with Address

(g) we, including as applicable any JVCA partner, confirm that we do not have a record of poor performance, such as abandoning the works, not properly completing contracts, inordinate delays, or financial failure as stated in ITA, and that we do not have, or have had, any litigation against us, other than that stated in the Applicant Information (**Form -2**);

(h) we, including as applicable any JVCA partner, confirm that we do not have a record of insolvency, receivership, bankrupt or being wound up, our business activities were not been suspended, and it was not been the subject of legal proceedings in accordance with ITA;

(i) we, including as applicable any JVCA partner, confirm that we have fulfilled our obligations to pay taxes and social security contributions applicable under the relevant national laws and regulations of our country(s) of origin in accordance with;

(j) we, including as applicable any JVCA partner or Specialist Subcontractor for any part of the contract resulting from this Qualification process, have not been declared ineligible by any International Development Agency or the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices in accordance with ITA; or by an act of compliance with a decision of the United Nations Security Council.

(k) furthermore, we are aware of ITA concerning such practices and pledge not to indulge in such practices in competing for or in executing the Contract;

(l) we are not participating as Applicants in more than one Application in this pre-qualification process;

(m) we understand that you may cancel the prequalification process at any time and that you are neither bound to accept any Application that you may receive nor to invite the pre-qualified Applicants to tender for the contract subject of this prequalification, without incurring any liability to the Applicants.

Signature:	*[insert signature of authorized signatory of the Applicant]*
Name:	*[insert full name of signatory with National ID Number]*
In the capacity of:	*[insert capacity of signatory]*

Duly authorized to sign the Application for and on behalf of the Applicant

[If there is more than one (1) signatory, or in the case of a JVCA, add other boxes and sign accordingly]

Attachment 1:

Written confirmation authorizing the above signatory to commit the Applicant and the subsequent Tenderer
[and, if applicable]

Attachment 2:

JV Agreement / Letter of Intent to form JV with draft proposed Agreement

ASIAN UNIVERSITY FOR WOMEN

Applicant Information (Form -2)

[This Form should be completed only by the Applicant, preferably on its Letter-Head Pad]

Invitation for Qualification No: *[indicate IFP No]*

Tender Package No: *[indicate Package No]*

This Package is divided into the following Number of Lots: *[indicate number of Lot(s)]*

1.	**Eligibility Information of the Applicant [According to ITT]**	
1.1	Nationality of individual or country of registration	
1.2	Applicant's legal title	
1.3	Applicant's registered address	
1.4	Applicant's legal status *[complete the relevant box]*	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Others [please describe, if applicable]	
1.5	Applicant's year of registration	
1.6	Applicant's authorised representative details	
	Name	
	National ID number, if any	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation ITT	
	Information on non-performance of contract and pending litigation furnished in Form ***F-5***	
1.8	Applicant to attach photocopies of the original documents mentioned aside	[All documents required under ITT Clauses]
The following two information are applicable for national Applicants		

1.9	Applicant's Value Added Tax Registration (VAT) Number	
1.10	Applicant's Tax Identification Number(TIN)	

[The foreign Applicants, in accordance with ITT Clause 5, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]

2. Qualification Information of the Applicant [According to ITT Clause]

2.1 General Experience in of Applicant

Start Month Year	End Month Year	Years	Contract No and Name of Contract Name and Address of Employer Brief description of Works	Role of Applicant [Prime/Sub/Management]

2.2 Specific Experience of Applicant
Completed Contracts of similar nature, complexity and methods/ technology

Contract No **Name of Contract**	[insert reference no] of [insert year] [insert name]		
Role in Contract ***[tick relevant box].***	Prime Contractor	Subcontractor	Management Contractor
Award date **Completion date** **Total Contract Value**	[insert date] [insert date] [insert amount]		
Employer's Name **Address** **Tel / Fax** **e-mail** **Brief description with justifications of the similarity compared to this Employer's requirements**	[state justification in support of its similarity compared to the proposed works]		

2.3 Average annual turnover
[total certified payments received for contracts in progress or completed for each year of works in progress or completed; using selling exchange rate quoted by the source being Bangladesh Bank on the date reported, if applicable]

Year	Amount & Currency	

<table>
<tr><td>2.4</td><td colspan="4">Existing commitments and works
[targeted to be completed by the Intended Completion Date of the proposed works]</td></tr>
<tr><td rowspan="2"></td><td rowspan="2">Name of Contract
Contract No [reference] of [year]
Name of Employer
Contact Address
Tel/fax
e-mail</td><td rowspan="2">Target Completion Date</td><td colspan="2">Value of Existing Commitments and Works</td></tr>
<tr><td>Amount & Currency</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>2.5</td><td colspan="4">Financial Resources available to meet the cash flow</td></tr>
<tr><td rowspan="3"></td><td rowspan="2">No</td><td rowspan="2">Source of Financing</td><td colspan="2">Amount Available</td></tr>
<tr><td>Amount & Currency</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="5">In order to confirm the above statements the Applicant shall submit, as applicable, the documents</td></tr>
<tr><td>2.6</td><td colspan="4">Contact Details [According to ITT]</td></tr>
<tr><td></td><td colspan="4">Name, address, and other contact details of Applicant’s Bankers and other Employer(s) that may provide references, if contacted by this Employer</td></tr>
<tr><td>2.7</td><td colspan="4">Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management [According to ITT]</td></tr>
<tr><td></td><td colspan="2">Position
Name
Years of General Experience</td><td colspan="2">Years of Specific Experience</td></tr>
<tr><td></td><td colspan="2"></td><td colspan="2"></td></tr>
<tr><td></td><td colspan="2"></td><td colspan="2"></td></tr>
<tr><td colspan="5">[Tenderer to complete details of as many personnel as are applicable .Each personnel listed above should complete the Personnel Information (Form-6]</td></tr>
<tr><td>2.8</td><td colspan="4">Major Construction Equipment’s proposed to carry out the Contract [According to ITT]</td></tr>
<tr><td></td><td colspan="2">Item of Equipment</td><td>Condition
(new, good, average, poor)</td><td>Owned, leased or to be purchased
(state owner, lessor or seller)</td></tr>
<tr><td></td><td colspan="2"></td><td></td><td></td></tr>
<tr><td></td><td colspan="2"></td><td></td><td></td></tr>
<tr><td colspan="5">[Applicant to list details of each item of major construction equipment, as applicable]</td></tr>
</table>

ASIAN UNIVERSITY FOR WOMEN

JVCA Partner Information (Form -3)

[This Form should be completed by each JVCA partner].

Invitation for Qualification No: *[indicate IFP No]*

Tender Package No *[indicate Package No]*

This Package is divided into the following Number of Lots

1.	**Eligibility Information of the JVCA Partner [*According to ITT*]**	
1.1	Nationality of Individual or country of Registration	
1.2	JVCA Partner's legal title	
1.3	JVCA Partner's registered address	
1.4	JVCA Partner's legal status *[complete the relevant box]*	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe, if applicable)	
1.5	JVCA Partner's year of registration	
1.6	JVCA Partner's authorised representative details	
	Name	
	National ID number, if any	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation	
	Information on non-performance of contract and pending litigation furnished in ***Form-5***	
1.8	JVCA Partner to attach copies of the original documents mentioned aside	[All documents required under ITT Clauses]
The following two information are applicable for national JVCA Partners only		
1.9	JVCA Partner's Value Added Tax Registration (VAT) Number	

1.10	JVCA Partner's Tax Identification Number (TIN)	
[The foreign JVCA Partners, in accordance with ITT, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]		
2.	**Key Activity(ies) for which it is intended to be joint ventured [According to ITT]**	
	Elements of Activity	**Brief description of Activity**

3.	**Qualification Information of the JVCA Partner [ITT]**				
3.1	**General Experience in Construction Works of JVCA Partner**				
	Start Month Year	**End Month Year**	**Years**	**Contract No and & Name of Contract Name and Address of Procuring Entity Brief description of Works**	**Role of JVCA Partner [Prime/Sub/ Management]**

3.2	**Specific Experience in Construction Works of JVCA Partner Completed Contracts of similar nature, complexity and methods/construction technology**			
	Contract No **Name of Contract**	[insert reference no] of [insert year] [insert name]		
	Role in Contract [tick relevant box]	Prime Contractor	Subcontractor	Management Contractor
	Award date **Completion date** **Total Contract Amount**	[insert date] [insert date] [insert amount]		
	If partner in a JV, specify participation of the total Contract Amount	_____%	Amount & Currency [insert amount] USD/GBP/EUR/JPY Equivalent [insert amount] delete not appropriate	
	Employer's Name **Address** **Tel / Fax** **e-mail** **Brief description with justifications of the similarity compared to this Employer's requirements**	[state justification in support of its similarity compared to the proposed works]		

3.3	**Average annual construction turnover** ***[total certified payments received for contracts in progress or completed for each year of works in progress or completed; using selling exchange rate quoted by the source being Bangladesh Bank on the date reported, if applicable]***		
	Year	**Amount & Currency**	

3.4	**Existing commitments and works** **[targeted to be completed by the Intended Completion Date of the proposed works;]**			
	Name of Contract **Contract no [reference] of [year]** **Name of Employer** **Contact Address** **Tel/fax** **e-mail**	**Target Completion Date**	**Value of Existing Commitments and Works**	
			Amount & Currency	
3.5	**Financial Resources available to meet the construction cash flow**			
	No	**Source of financing**	**Amount Available**	
			Amount & Currency	
	In order to confirm the above statements the JVCA Partner shall submit, as applicable, the documents mentioned in ITT Clause 28.			
3.6	**Contact Details**			
	Name, address, and contact details of Tenderer's Bankers and other Employer(s) that may provide references if contacted by this Employer			

3.7	**Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management**		
	Position Name Years of General Experience		Years of Specific Experience
	*[Tenderer to complete details of as many personnel as are applicable. Each personnel listed above should complete the Personnel Information (**Form -6**)]*		
3.8	Major items of Construction Equipment proposed for carrying out the works [ITT Clause 28]		
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, leaser or seller)
	[Tenderer to list details of each item of Major equipment, as applicable]		

Signature (Name of Authorized Signatory of the JVCA Partner)

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Specialist Subcontractor Information (Form F-4)

[This Form should be completed by each Subcontractor, preferably on its Letter-Head Pad]

Invitation for Qualification No: *[indicate IFP No]*

Tender Package No *[indicate Package No]*

This Package is divided into the following Number of Lots

1.	**Eligibility Information of the Subcontractor [*ITT*]**	
1.1	Nationality of Individual or country of Registration	
1.2	Subcontractor's legal title	
1.3	Subcontractor's registered address	
1.4	Subcontractor's legal status *[complete the relevant box]*	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe)	
1.5	Subcontractor's year of registration	
1.6	Subcontractor's authorized representative details	
	Name	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Subcontractor to attach copies of the following original documents	All documents to the extent relevant to ITT Clause in support of its qualifications
The following two information are applicable for national Subcontractors		
1.8	Subcontractor's Value Added Tax Registration (VAT) Number	
1.9	Subcontractor's Tax Identification Number (TIN)	

[The foreign Subcontractors, in accordance with ITT, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]		
2. Key Activity(ies) for which it is intended to be Subcontracted		
2.1	**Elements of Activity**	**Brief description of Activity**
2.2	**List of Similar Contracts in which the proposed Subcontractor had been engaged**	
	Name of Contract and Year of Execution **Value of Contract** **Name of Employer** **Contact Person and Contact details** **Type of Work Performed**	

Signature (Name of Authorized Signatory of the Proposed Sub-Contractor)

ASIAN UNIVERSITY FOR WOMEN

Historical Contract Non-Performance (Form F-5)

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's Legal Name: *[insert full name]*
Date: *[dd/mm/yy]*
Joint Venture Party Legal Name:*[insertfull name]* IFP No. and title: *[insert RFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

Non-Performing Contracts in accordance with Qualification Criteria and Requirements			
☐ Contract non-performance did not occur during the *[number]* years specified in Qualification Criteria and Requirements, ☐ Contract(s) not performed during the *[number]* years specified in Qualification Criteria and Requirements,			
Year	**Non performed portion of contract**	**Contract Identification**	**Total Contract Amount (Current value)**
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Reason(s) for non performance: *[indicate main reason(s)]*	
Pending Litigation, in accordance with Qualification Criteria and Requirements			
☐ No pending litigation in accordance with Qualification Criteria and Requirements,. ☐ Pending litigation in accordance with Qualification Criteria and Requirements, as indicated below.			
Year	**Outcome as Percentage of Total Assets**	**Contract Identification**	**Total Contract Amount (current value)**
[insert year]	*[insert percentage]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]*	**Total Contract Amount (current value)**

ASIAN UNIVERSITY FOR WOMEN

Personnel Information (Form -6)

[This Form should be completed for each person proposed by the Tenderer on Form PW5-2& PW5-3, where applicable]

Name of the Applicant:	*[insert Title]*
Invitation for Tender No:	*[indicate RFP No]*
Tender Package No	*[indicate Package No]*
This Package is divided into the following Number of Lots	*[indicate number of Lot(s)]*

A.	**Proposed Position** (tick the relevant box)	
☐ Electrical/Mechanical Engineer	☐ Prime Candidate	☐ Alternative Candidate
☐ Key Personnel	☐ Prime Candidate	☐ Alternative Candidate

B.	**Personal Data**	
Name:		
Date of Birth:		
Years overall experience:		
National ID Number:		
Years of employment with the Tenderer:		
Professional Qualifications: 1. 2. 3. 4.		

C.	**Present Employment** *[to be completed only if not employed by the Applicant]*	
Name of the Employer:		
Address of the Employer:		
Present Job Title:		
Years with the present Employer:		
Tel No:	Fax No:	e-mail address:

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Contact *[manager/personnel officer]:*

D. Professional Experience			
Summaries professional experience over the last twenty (**20**) years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.			
	From	To	Company / Project / Position / Relevant technical and management experience.
1			
2			
3			
4			
5			

(Name and Signature of the Proposed Personnel)

ASIAN UNIVERSITY
FOR WOMEN

TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES OF
STRUCTURED CABLING AND DATA CENTER PASSIVE INFRASTRUCTURE WORKS

A	Supply Of Copper items	10G CAT6A Shielded Twisted Pair (S/FTP) CABLING REQUIREMENTS					
SL	**Item (All same Manufacturer)**	**Compliance**	**Brand**	**QTY**	**UoM**	**Unit Price in BDT**	**Total Price in BDT**
1	Category 6A Shielded Twisted Pair (S/FTP) Cable, **Country of origin USA/EU**	Category 6A Shielded Twisted Pair (STP) cable with a Low Smoke Zero Halogen (LSZH) jacket. The cable shall be 4-pair, 23 AWG solid copper conductors, with overall foil shielding and individual pair foil shielding, including a drain wire. The cable shall support PoE++ Type 4 (90 W) and operate at a minimum bandwidth of 500 MHz. Transmission Standards: Compliant with ANSI/TIA-568.2-D and ISO/IEC 11801 standards. Certification: Certified in accordance with ANSI/TIA-568.2-D, ISO/IEC 11801, IEEE 802.3bt, UL 444, and ETL certification requirements. Remote Power Compliance: The cable shall fully comply with the recommendations of IEEE 802.3bt Type 4 for safe power delivery over LAN cabling when installed in accordance with ISO/IEC 11801 and EN 50173-1. The cable shall be RoHS compliant. **Color: Orange.**	CommScope/ Belden/ PROSE/ Panduit	44835	Meter		
2	Dual-Port Faceplate for Cat6A Shielded Cable, **Country of origin USA/EU**	Dual-Port faceplate with shuttered covers for CAT6A STP cabling solution with Labels and label covers included.	CommScope/ Belden/ PROSE/ Panduit	500	Nos		
3	Cat6A Shielded Modular Jack (RJ45) for Dual-Port Faceplate, **Country of origin USA/EU**	Modular Jack, RJ45, Cat6A Shielded (STP), 8-position, 8-wire , IEEE 802.3bt Type 4 , T568A | T568B, 180°, Zinc Alloy Shielded, ANSI/TIA-568.2-D Modular Jack should support Plug Insertion ,1 termination bar,1 cable tie, Individually packaged in a plastic bag, Life minimum 700 times and Tool-free termination	CommScope/ Belden/ PROSE/ Panduit	1000	Nos		

4	24-port Shielded CAT 6A Modular Patch Panel, **Country of origin USA/EU**	24-port Shielded CAT6A Modular Patch Panel, 1U, black, 1RU, flat/horizontal , Panel Style Straight and support Cat6A Shielded Modular Jack (RJ45)	CommScope/ Belden/ PROSE/ Panduit	90	Nos		
5	Cat6A Shielded Modular Jack (RJ45) for 24-port Shielded CAT 6A Modular Patch Panel, **Country of origin USA/EU**	Modular Jack, RJ45, Cat6A Shielded (STP), 8-position, 8-wire , IEEE 802.3bt Type 4 , T568A | T568B, 180°, Zinc Alloy Shielded, ANSI/TIA-568.2-D Modular Jack should support Plug Insertion ,1 termination bar,1 cable tie, Individually packaged in a plastic bag, Life minimum 700 times and Tool-free termination	CommScope/ Belden/ PROSE/ Panduit	1600	Nos		
6	Horizontal. Cable Manager for for 24-port Shielded CAT 6A Modular Panel, **Country of origin USA/EU**	Horizontal Fiber Cable Manager manages cables on the front standard 19in (483mm) EIA rack or cabinet. Must be Front Cover, ABS, 1RU, Black.	CommScope/ Belden/ PROSE/ Panduit	122	Nos		
7	Shielded CAT 6A Molded 1M Patch Cord with LSZH for Patch Panel, **Country of origin USA/EU**	1M Molded Patch Cord should be CAT6A Shielded Twisted Pair (STP), Low Smoke Zero Halogen (LSZH), drain wire, 4 pair count, 24 AWG supported, Bare copper (99.99%), Copper alloy with contact plating of 50µ Transmission Standards: ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA and EN 50575 compliant. **Color: Blue**	CommScope/ Belden/ PROSE/ Panduit	750	Nos		
8	Shielded CAT 6A Molded 1M Patch Cord with LSZH for Patch Panel, **Country of origin USA/EU**	1M Molded Patch Cord should be CAT6A Shielded Twisted Pair (STP), Low Smoke Zero Halogen (LSZH), drain wire, 4 pair count, 24 AWG supported,Bare copper (99.99%) Copper alloy with contact plating of 50µ" Transmission Standards: ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA and EN 50575 compliant. **Color: Yellow**	CommScope/ Belden/ PROSE/ Panduit	800	Nos		

9	Shielded CAT 6A Molded 2M Patch Cord with LSZH for Patch Panel, **Country of origin USA/EU**	2M Molded Patch Cord should be CAT6A Shielded Twisted Pair (STP), Low Smoke Zero Halogen (LSZH), drain wire, 4 pair count, 24 AWG supported Copper alloy with contact plating of 50µ", Bare copper (99.99%) Transmission Standards: ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA and EN 50575 compliant. **Color: Red**	CommScope/ Belden/ PROSE/ Panduit	50	Nos		
10	Shielded CAT 6A Molded 3M Patch Cord with LSZH for Double port Faceplate, **Country of origin USA/EU**	3M Molded Patch Cord should be CAT6A Shielded Twisted Pair (STP), Low Smoke Zero Halogen (LSZH), drain wire, 4 pair count, 24 AWG supported Copper alloy with contact plating of 50µ" Transmission Standards: ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA and EN 50575 compliant. **Color: Gray**	CommScope/ Belden/ PROSE/ Panduit	850	Nos		
11	Shielded CAT 6A Molded 10M Patch Cord with LSZH for Double port Faceplate, Country of origin USA/EU	10M Molded Patch Cord should be CAT6A Shielded Twisted Pair (STP), Low Smoke Zero Halogen (LSZH), drain wire, 4 pair count, 24 AWG, Copper alloy with contact plating of 50µ" Transmission Standards: ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA and EN 50575 compliant. **Color: Blue**	CommScope/ Belden/ PROSE/ Panduit	30	Nos		
12	CAT6A Shielded RJ45 Connector, **Country of origin USA/EU**	RJ45 Modular Plug Kit or connector, Category 6A, shielded, 8-position, Head-shielded metal two part	CommScope/ Belden/ PROSE/ Panduit	1000	Nos		
B	**Fiber Supply Items: All same Manufacturer**						

13	48 core Single Mode OS2 Fiber cable , Heavy Armor, Stranding PE, Country of origin USA/EU	48 core SINGLE MODE FIBER OS2 (G652.D) cable Heavy Armored, stranded, Al-PE, Crush Resistance, N/100mm 10 Years1000, Tensile Strength, N after 10 Years 1000KN Central tube, Stranding & PE; Outdoor, **Color : Balck**	CommScope/ Belden/ PROSE/ Panduit	1200	Meter		
14	SC Type Loaded Fiber Panel For Entrance Ficilty wall Mount, **Country of origin USA/EU**	Fiber holding 48 Ports FTTH Fiber Distribution BOX	CommScope/ Belden/ PROSE/ Panduit	2	Nos		
15	Full Loaded Fiber Patch Panel : 24 port (48 core) LC-LC SM OS2 duplex, **Country of origin USA/EU**	19 inch Rack Mounted Full loaded Sliding, Fiber patch Panel and it accommodate 48 core OS2 SM Fiber with LC-LC duplex, Adapter , Modules, connector couplers, 1M Pigtel , Dust Cover Cap, Splice tray,1U, RoHS	CommScope/ Belden/ PROSE/ Panduit	2	Nos		
16	10 Meter OS2 SM LC- LC DUPLEX LSZH Fiber Patch Cord, **Country of origin USA/EU**	10 Meter OS2,Single Mode, LC-LC DUPLEX LSZH, Fiber Patch Cord, plastic packaging must have low-density polyethylenc (LDPE)	CommScope/ Belden/ PROSE/ Panduit	20	Nos		
17	6 core MM OM3 Fiber cable , Heavy Armor, Stranding PE, **Country of origin USA/EU**	6 core Multimode OM3 Outdoor Cable , Heavy Armored, stranded, Al-PE, Crush Resistance, N/100mm 10 Years1000, Tensile Strength, N after 10 Years 1000KN Central tube, Stranding & PE; Outdoor, **Color : Balck**	CommScope/ Belden/ PROSE/ Panduit	12000	Meter		
18	Full Loaded Fiber Patch Panel : 24 port (48 core) LC-LC MM OM3 duplex, **Country of origin USA/EU**	19 inch Rack Mounted Full loaded Sliding, Fiber patch Panel and it accommodate 48 core MM OM3 Fiber with LC-LC duplex, Adapter , Modules, connector couplers, 1M Pigtel , Dust Cover Cap, Splice tray,1U,RoHS	CommScope/ Belden/ PROSE/ Panduit	10	Nos		

19	Half Loaded Fiber Patch Panel : 12 port (24 core) LC-LC MM OM3 duplex, **Country of origin USA/EU**	19 inch Rack Mounted Half loaded Sliding, Fiber patch Panel and it accommodate 24 core OM3 MM Fiber with LC-LC duplex, Adapter , Modules, connector couplers, 1M Pigtel , Dust Cover Cap, Splice tray.1U, RoHS	CommScope/ Belden/ PROSE/ Panduit	35	Nos		
20	3 Meter MM OM3 LC- LC DUPLEX LSZH Fiber Patch Cord, **Country of origin USA/EU**	3 Meter Multimode, OM3 LC- LC DUPLEX , LSZH, Fiber Patch Cord,plastic packaging must have low-density polyethylenc (LDPE)	CommScope/ Belden/ PROSE/ Panduit	170	Nos		
21	10 Meter MM OM3 LC- LC DUPLEX LSZH Fiber Patch Cord, **Country of origin USA/EU**	10 Meter OM3, Multimode, LC-LC DUPLEX LSZH, Fiber Patch Cord, plastic packaging must have low-density polyethylenc (LDPE)	CommScope/ Belden/ PROSE/ Panduit	20	Nos		
22	19 Inch Rack Mount Horizontal Fiber Cable Manager, **Country of origin USA/EU**	Horizontal Fiber Cable Manager manages cables on the front standard 19in (483mm) EIA rack or cabinet. Must be Front Cover, ABS, 1RU, Black, 1pc.	CommScope/ Belden/ PROSE/ Panduit	48	Nos		
C	**Supply Of Local items**	**Accessories**					

23	18U Wall Mount Network Rack with mesh door(Front) as remote distribution rack, **Country of origin USA/EU**	18U Rack (Width X Depth: 600mm X 600mm), 80kg static load rating, Standard: ANSI/EIA RS-310-E/IEC297-2/ DIN41494;PART7, GB/T3047.2-92, certification requirements RoHS and UL 2416, Color : Black, RAL9005, tool free removable side doors, 2top mount fans, Rack Grounding Kit, , Front Door : Mesh door, revolving door handles with lock, Frame Structure Detachable. With Dual (2 Nos)1U rack-mount Power Distribution Unit (PDU) with 6 × UK Type-G (BS1363) 3-pin output sockets with 1 x MCB, supplied with a 16-Amp wit heavy-duty industrial Commando plug (IEC 60309 = 2P + E) and 3-meter power cable.	CommScope/ Belden/ PROSE/ Panduit	30	Nos		
24	32U Floor Mount Network Rack with mesh door (both Front and Back), **Country of origin USA/EU**	32U RACK (Width X Depth: 600mm X 1000mm), 1500kg minimum static load rating, Standard: ANSI/EIA RS-310-E/IEC297-2/ DIN41494;PART7, GB/T3047.2-92, certification requirements RoHS and UL 2416, Color : Black, RAL9005, High-density single open front vented tool free removable door, High-density double open vented tool free removable back door, tool free removable side doors, 4 top mount fans, Rack Grounding Kit, Heavy Duty Caster 4 pcs, Adjustable Feet 4pcs, M6 Screws & Nuts 40 pcs, revolving door handles with lock, Frame Structure Detachable. With Dual (2 Nos)1U rack-mount Power Distribution Unit (PDU) with 6 × UK Type-G (BS1363) 3-pin output sockets with 1 x MCB, supplied with a 16-Amp wit heavy-duty industrial Commando plug (IEC 60309 = 2P + E) and 3-meter power cable.	CommScope/ Belden/ PROSE/ Panduit	5	Nos		
D	**Supply items**	**OTHERS**					

25	uPVC Pipe for Conduit	Electrical uPVC Conduit Pipe, 1" (one inch) diameter, highest wall thickness (mm) as per BS 3305 standard, including all required accessories as necessary.	RFL or National Polymer.	2500	Meter		
26	uPVC Pipe for Conduit	Electrical uPVC Conduit Pipe, 1.5" (one and half inch) diameter, highest wall thickness (mm) as per BS 3305 standard, including all required accessories as necessary.	RFL or National Polymer.	1000	Meter		
27	Flexible Pipe	Flexible Pipe of 1" (one inch) diameter as necessary	RFL or National Polymer.	2000	Nos		
28	Flexible Pipe	Flexible Pipe of 1.5" (one and half inch) diameter as necessary	RFL or National Polymer.	500	Nos		
29	Flexible Pipe	Flexible Pipe of 2" (two inch) diameter as necessary	RFL or National Polymer.	500	Nos		
30	Civil Work PVC Pipe Laying	Civil Work for Copper Cable Conduit Laying: Providing all necessary civil works required for copper data cable installation, including wall groove cutting/chasing, installation of PVC/uPVC or flexible conduits with all required fittings, refilling of grooves, plastering, surface finishing, and making good to match existing finishes. All civil works shall be executed through and in coordination with the respective Civil Vendor of the project, under the supervision and direction of the relevent engineer/ team. (Payment shall be made based on actual measured length executed on site, duly certified by the Engineer/ Team, The estimated quantity is provisional and may increase or decrease without affecting the unit rate.)	Local	1500	Meter		
31	Cable Tray	Cable tray of 3" x 6"(ten inch) width 20 Gage MS material, painted, including cover, bracket, screw and mounting accessireis with installation.	Any Reputed Brand	300	Meter		
32	Cable Tray	MS Galvanized Cable tray 300mm width for Data Center	Any Reputed Brand	50	Meter		
33	GI Wire	GI wire for conduit pipe as necessary	Any Reputed Brand	1	LoT		

34	Cable Tie	12" (inch) High Quality Cable Tie as necessary	Any Reputed Brand				
35	Screw	1" (Inch) Steel Screw as necessary	Any Reputed Brand				
36	Royal Plug	1" (Inch) Plastic Royal Plug as necessary	Any Reputed Brand				
37	Royal Bolt	Royal Bolt for Wall Mount Racks as necessary	Any Reputed Brand				
38	PVC Pipe Jointer	1" (inch) PVC Pipe Jointer both L & T (Mixed in half of total quantity) as necessary	RFL or National Polymer.				
39	PVC Pipe Jointer	1.5" (inch) PVC Pipe Jointer both L & T (Mixed in half of total quantity) as necessary	RFL or National Polymer.				
40	Metal Clump	1" (inch) Metal U Clump as necessary	Any Reputed Brand				
41	Metal Clump	1.5" (inch) Metal U Clump as necessary	Any Reputed Brand				
42	Metal Clump	2" (inch) Metal U Clump as necessary	Any Reputed Brand				
43	PVC Tape	PVC Tape as necessary	Any Reputed Brand				
44	Valcro Tape	Valcro Tape as required as necessary after every 6-8 feet	Any Reputed Brand				
45	MK Box	MK Boxes (MS 18 Gage) as necessary	Any Reputed Brand	1000	Nos		
46	Faceplate, Patch Panel & Cable Identification Labels	Supply of labels for faceplates, patch panels, copper cables, and fiber cables. Labels shall be made of high-adhesive, tempered plastic material, with machine-printed numbering as necessary	Any Reputed Brand	1	Lot		
E	**Services**	**Installation Job for Fiber and Copper Cables**					
47	Copper Cable Installation	A. All Cat6A Cables Nodes (Both Side)	Local	1410	Node		
		1. Crimping: Patch Panel					
		2. Crimping: Modular Jack					
		3. Cable Laying					
		4. Rack Dressing					
		5. Labeling and Marking Tag (Cable & Patch Panel)					
		B. Design: Submission of detailed CAD Design and Drawing					
	Testing and Commissioning	Testing and commissioning of the passive network using a network analyzer, covering Patch Panel to Faceplate (PP-to-FP) or Source-to-Destination links. The	Local	1410	Node		

		testing analyzer shall support a minimum of 10G Ethernet ports. Test results for each node shall be submitted in the form of analyzer reports after validation, in compliance with TIA/EIA standards.					
48	Fiber Cable Installation	A. Fiber Cable Splicing and Dressing (Both Side), to be complied with TIA/EIA Standard	Local	912	Nos		
		1. Fiber Cable Laying	Local	13200	Mtr		
		2. Crimping: Modular Adapter For Fiber Panel					
		3. Crimping: Patch Panel For Fiber Panel					
		4. Rack Dressing For Fiber Panel					
		5. Labeling and Marking Tag (For Fiber Cable & Patch Panel)					
		B. Design: Submission of detailed CAD Design and Drawing					
	Testing and Commissioning	Testing and commissioning of the passive network using a network analyzer, covering Patch Panel to Faceplate (PP-to-FP) or Source-to-Destination links. The testing analyzer shall support a minimum of 10G Ethernet ports. Test results for each node shall be submitted in the form of analyzer reports after validation, in compliance with TIA/EIA standards.					

1	Raised Floor System					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	International Reputed Brand	SFT	610		
	Country of origin	To be mention by the bidder				
	Country of Manufacturing	To be mention by the bidder				
	Model	To be mention by the bidder				
	Description	The raised access floor panel are made of welded top and bottom cold steel shell infilled with cementitious core. The panel surface is coated with anti-corrosion epoxy powder.				
	Panel Dimension	600x600mm max., -0.6mm~0mm				
	Thickness	35mm overall thickness at corner(with HPL finish)				
	Squareness	0.75mm max				
	Flatness	Diagonal 1.0mm max., edge 0.6mm max.				
	Fire Resistance					
	BS 476-4	Non-combustible				
	EN13501-1	A1				
	ASTM E84-14	Class A				
	ASTM E119-2015	Insulation 23mins., Integrity 60mins. min..				
	Satic Concentrated Load	CISCA: 3596N, EN12825: 4/3/A/2				
	PSA MOB PF2	Medium grade				
	SJ/T10796-2001	Class Q				
	Impact Load	670N				
	Rolling Load	2959N at 10passes				
	Uniform Load	19800N/m2				
	Air Leakage	Pressure 25pa, less than 0.10 l/s.m2.				
	Acoustic	Calculated impact insulation class: IIC 58				
2	Thermal Insulation	Good fire-retardant rigid class "O" type insulation having minimum 19-mm thickness, doesn't absorb humidity, Zero Ozone Depleting Potential, green product fire safety.	SFT	620		
3	Panel Lifter	Double Cup Suction Type Panel Lifter	Nos	2		
4	Air Grommet	Same OEM Made Air Grommet	Nos	14		
5	Installation	Installation, Testing and Commissioning	SFT	610		

2	Server & Network Rack					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	APC /Vertiv/DELL	Nos	5		
	Country of origin	USA/EU				

	Country of Manufacturing	To be mention by the bidder				
	Model	To be mention by the bidder				
	Rack Space	42U				
	Rack Dimension	Standard H-1991mm xW -1200mmxD-800mm				
	Ventilation Rate	81%				
	Door Structure	Front single door and rear double doors with 135° opening angle.				
	Static Load	1200kg				
	Material	High class cold rolled steel plate and zinc-plated steel plate.				
	Foot Wheel & Pad	Standard with heavy duty foot wheel and supporting feet. Supports smooth transportation in height restricted scenario.				
	Color	RAL9005				
	Protection Level	IP20				
	Standard	Rack Must be UL 2416 & EIA-310E Certified				
	Key Features:	The structure withstands static loads 1200kg.				
		§ Adopts high class cold rolled steel sheet and zinc-plated steel sheet to ensure mechanical strength and corrosion resistance.				
		§ High ventilation rates for good heat dissipation				
		§ Built-in 19-inch frame is compatible with most of rack-mount devices on the market.				
		§ Multiple size options, easy to combine with various types cabinets on the market				
		§ Variety hardware accessories provide smooth cable management and convenient equipment installation and operation.				
		§ Air ventilation components ensure better hot and cold airflows				
	Marking	18 gauge front door 19 gauge rear door 16 gauge post 14 gauge EIA mounting rail				
	Blanking Panel	20 Nos 1 U Blanking Panel Per Rack				
	Fixed Tray	1 Nos Fixed Tray Same OEM Made				
	Sliding Tray	1 Nos Sliding Tray Same OEM Made				
	Cable Manager	2 Nos Vertical Cable Manager				
	Warranty	3 Years				

3	Intelligent Rack PDU 32A					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	APC/Vertiv/Dell	Nos	6		
	Country of origin	USA/EU				
	Country of Manufacturing	To be mention by the bidder				
	Model	To be mention by the bidder				
	Load Capacity	**7.4kW**				
	Input Current	32A Managed Rack PDU				
	Mounting Mode	Rack Mount Vertical Zero U				
	Input Voltage	200 V,208 V, 230 V				
	Output connections	**20 x C13 and 4 x C19 outlets**				
	Materials	Steel Metal				
	Monitoring	Yes				
	Switching	Yes				
	Energy Metering	Yes				
	System Setting	Yes				
	Alarm Notification	Yes				
	Remote Firmware Updated	Yes				
	Even & data Log	Yes				
	Multiple Network & Security Protocol	Yes				
	Display	Yes				
	Adjustable Display direction	Yes				
	Future Extension Port	Yes				
	Temperature & humidity /smoke /Water leakage /door contact and logical ports	Yes				
	Power Cut off Protection when Overload	Yes				
	Smart monitoring and branch monitoring	Yes				
	Product certifications	CE, TÜV, EAC,RCM				
	Key Features:	§ With environmental monitoring, power monitoring, control, management, lightning protection and other functions				
		§ Full metal housing design, and has passed strict safety test, safe and reliable				

4	32A Basic Rack PDU					
SL	Product Description		UoM	Qty	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	International Reputed Brand	Nos	4		
	Country of origin	USA/EU				
	Country of Manufacturing	To be mention by the bidder				
	Model	To be mention by the bidder				
	Load Capacity	7.4KW				
	Input Current	32A Basic Rack PDU				
	Mounting Mode	Rack Mount Vertical Zero U				
	Input Voltage	200 V,208 V, 230 V				
	Output connections	20 IEC 60320 C13 4 IEC 60320 C19				
	Materials	Steel Metal				
	Product certifications	CE,TÜV				
	Warranty	3 Years				

5	**TECHNICAL SPECIFICATION FOR 20kVA UPS SYSTEM (With Independent VRLA Battery Banks with 50-60 min Battery Backup with Full Load)**
	Compliance: Bidders must confirm compliance with all the given technical parameters shared in the spec. Any deviation must be explicitly stated. **Battery Configuration: Each UPS shall have a dedicated independent battery bank of 40 x 12V 65Ah VRLA batteries. Shared/common battery banks are NOT ACCEPTABLE.**

SL	Product Description		UoM	Qty	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	Schneider /Vertiv	Nos	2		
	Country of origin	USA/EU				
	Country of Manufacturing	To be mention by the Bidder				
	Model	To be mention by the Bidder				
	Capacity	20KVA/20KW (N+1 redundancy option)				
	Topology	Double Conversion on-Line				
	Modular elements	Power modules with Live Swap, static switch module, intelligence module				
	Display	Color touch screen, 4.3 inches, status LED, mimic on display				

	High priority for C&I	Network management card included with Ethernet (SNMP) and modbus. 8 dry contacts (4 inputs, 4 outputs)				
	Maintenance bypass	Internal maintenance bypass. Optional maintenance bypass panel				
	Parallel capability	Simplified 1+1 parallel (for redundancy); Up to 4 UPSs in parallel for capacity or redundancy				
	Input	380/400/415 V (3-phase + Neutral)				
	Input voltage range (phase to phase)	Phase to Phase +/-15%				
	Single mains/dual mains	Single mains as standard. Easily converted to dual mains				
	Input Frequency Range	40 – 70 Hz				
	Input Power Factor	IEC power factor: >0.99 @ load >25%, >0.95 @ load > 15%				
	Maximum short-circuit rating	65 kA				
	Output Voltage	380/400/415 V				
	Load power factor	PF=1 (0.7 leading to 0.7 lagging without derating)				
	Output Frequency	50/60 Hz +-0.1% free running				
	AC Voltage Regulation	±1%				
	Overload Capacity	1 min @ 150%; 10 min @ 125%				
	Harmonic distortion	Less than 3 %				
	Efficiency AC & DC Mode	Up to 97%				
	Efficiency: ECO mode	99%				
	Battery Capacity	12V/65AH -40Nos				
	Battery Backup Time	50-60 min at Full load				
	Battery Brand	Sprinter/FIAMM				
	Battery Type (to provide)	VLRA (maintenance free battery)				
	Battery Manufacturing Country	USA/EU				
	UPS Battery Type Support	External battery system Li-Ion (Lithium-Ion) VRLA				
	Battery Voltage	480 – 576 V				
	DC Protection	Each UPS shall be equipped with separate DC isolator/breaker for its respective battery bank				
	Charging power in % of output power(selectable)	Charging power in % of output power at 0 – 40% load: 80% Charging power in % of output power at 100% load: 20%				
	Operational Condition	0-40C, 0-95%RH (no condensing)				
	Dust protection	Air filter included. Conformal coated boards				

	Seismic	With optional kit. OSHPD tested				
	Environmental	Product Environmental Profile (PEP), RoHS, REACH				
	Certification	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC part 15 class A IEC 60721-4-2 level 2M2 UL 1778 5th edition				
	Protection class	IP21				
	Key Features	Critical system components built as modules for faster serviceability and fault tolerance. N+1 redundancy, scalability, and Live Swap options available				
	Flexibility and performance	• Unity Power Factor (PF=1) allows for right-size protection to real IT needs • High overload capability and wide input tolerance (±15%) for demanding applications • Seamless integration with single or dual mains support • Flexible DC bus and right-sized batteries for optimized run time				
	Higher availability: maximum uptime, reduced risk	• One extra power module for N+1 internal redundancy keeps your load protected and multiplies system availability by 10 with no extra footprint • Optimized uptime with wide input tolerance window (+/-15%) • With Live Swap*, it is simple and fast to add, replace, or remove power modules • N+0 or N+1 module-level redundancy • N+0 or N+1 system-level redundancy (parallel up to 4 UPSs)				

	Reliable power for IT and non-IT environments	• Robust, fault-tolerant design ensures continuous protection in critical circumstances • Designed to perform in dusty environments with its high-quality air filter and IP20 rating (optional IP52 kit available for select models) • Withstands 40ºC operating temperature without derating (50ºC with derating) • Suited for humid environments thanks to conformal coating • Seismic certified (with option kit) • Maximum short circuit rating: 65 kA • Exceeds industry standards on electromagnetic protection due to EMC Level C2 • Faster battery charging capabilities restore back-up time 2-to-3 times faster compared to industry standards • Operates at high elevation, with no derating up to 1000 m (3000 m with derating) • Models with halogen-free power cables available				
	Installation	Including all installation materials like Heavy-duty Steel Battery Rack , Parallel Kits and Cables, Circuit Breaker, Battery Interconnecting Link, All necessary cables and communication cards for 1+1 parallel operation etc will be provide by the bidder.				
	Documentation	Operation & maintenance manuals, as-built drawings, test reports				
	Warranty	Minimum 1 Year From the date of Commissioning				

6	**TECHNICAL SPECIFICATION FOR 120kVA UPS SYSTEM (With Independent VRLA Battery Banks with 20-25 min Battery Backup with Full Load)**

Compliance: Bidders must confirm compliance with all the given technical parameters shared in the spec. Any deviation must be explicitly stated.

Parallel Redundancy: The system shall be configured for parallel redundancy. If one UPS fails, the remaining UPS must support the entire 120kVA load with zero downtime.

Battery Configuration: Each UPS shall have a dedicated independent battery bank of 40 x 12V 150Ah VRLA batteries. Shared/common battery banks are NOT ACCEPTABLE.

SL	Product Description		UoM	Qty	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	Schneider /Vertiv	Nos	2		
	Country of origin	USA/EU				
	Country of Manufacturing	To be mention by the Bidder				
	Model	To be mention by the Bidder				
	Capacity	120KVA/120KW (N+1 redundancy option)				
	Topology	Double Conversion on-Line				
	Modular elements	Power modules with Live Swap, static switch module, intelligence module				
	Display	Color touch screen, 4.3 inches, status LED, mimic on display				
	High priority for C&I	Network management card included with Ethernet (SNMP) and modbus. 8 dry contacts (4 inputs, 4 outputs)				
	Maintenance bypass	Internal maintenance bypass. Optional maintenance bypass panel				
	Parallel capability	Simplified 1+1 parallel (for redundancy); Up to 4 UPSs in parallel for capacity or redundancy				
	Input	380/400/415 V (3-phase + Neutral)				
	Input voltage range (phase to phase)	Phase to Phase +/-15%				
	Single mains/dual mains	Single mains as standard. Easily converted to dual mains				
	Input Frequency Range	40 – 70 Hz				

	Input Power Factor	IEC power factor: >0.99 @ load >25%, >0.95 @ load > 15%				
	Maximum short-circuit rating	65 kA				
	Output Voltage	380/400/415 V				
	Load power factor	PF=1 (0.7 leading to 0.7 lagging without derating)				
	Output Frequency	50/60 Hz +-0.1% free running				
	AC Voltage Regulation	±1%				
	Overload Capacity	1 min @ 150%; 10 min @ 125%				
	Harmonic distortion	Less than 3 %				
	Efficiency AC & DC Mode	Up to 97%				
	Efficiency: ECO mode	99%				
	Battery Backup Time	60min at Full load				
	Battery Capacity	12V/150AH -40Nos				
	Battery Backup Time	25-30 min at Full load				
	Battery Brand	Sprinter/FIAMM				
	Battery Type (to provide)	VLRA (maintenance free battery)				
	Battery Manufacturing Country	USA/EU				
	Battery Type	External battery system Li-Ion (Lithium-Ion) VRLA				
	Battery Voltage	480 – 576 V				
	DC Protection	Each UPS shall be equipped with separate DC isolator/breaker for its respective battery bank				
	Charging power in % of output power(selectable)	Charging power in % of output power at 0 – 40% load: 80% Charging power in % of output power at 100% load: 20%				
	Operational Condition	0-40C, 0-95%RH (no condensing)				
	Dust protection	Air filter included. Conformal coated boards				
	Seismic	With optional kit. OSHPD tested				
	Environmental	Product Environmental Profile (PEP), RoHS, REACH				
	Certification	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC part 15 class A IEC 60721-4-2 level 2M2 UL 1778 5th edition				
	Protection class	IP21				

	Key Features	Critical system components built as modules for faster serviceability and fault tolerance. N+1 redundancy, scalability, and Live Swap options available				
	Flexibility and performance	• Unity Power Factor (PF=1) allows for right-size protection to real IT needs • High overload capability and wide input tolerance (±15%) for demanding applications • Seamless integration with single or dual mains support • Flexible DC bus and right-sized batteries for optimized run time				
	Higher availability: maximum uptime, reduced risk	• One extra power module for N+1 internal redundancy keeps your load protected and multiplies system availability by 10 with no extra footprint • Optimized uptime with wide input tolerance window (+/-15%) • With Live Swap*, it is simple and fast to add, replace, or remove power modules • N+0 or N+1 module-level redundancy • N+0 or N+1 system-level redundancy (parallel up to 4 UPSs)				
	Reliable power for IT and non-IT environments	• Robust, fault-tolerant design ensures continuous protection in critical circumstances • Designed to perform in dusty environments with its high-quality air filter and IP20 rating (optional IP52 kit available for select models) • Withstands 40ºC operating temperature without derating (50ºC with derating) • Suited for humid environments thanks to conformal coating • Seismic certified (with option kit) • Maximum short circuit rating: 65 kA • Exceeds industry standards on electromagnetic protection due to EMC Level C2 • Faster battery charging capabilities restore back-up time 2-to-3 times faster compared to industry standards • Operates at high elevation, with no derating up to 1000 m (3000 m with derating) • Models with halogen-free power cables available				

	Installation	Including all installation materials like Heavy-duty Steel Battery Rack , Parallel Kits and Cables, Circuit Breaker, Battery Interconnecting Link, All necessary cables and communication cards for 1+1 parallel operation etc will be provide by the bidder.				
	Documentation	Operation & maintenance manuals, as-built drawings, test reports				
	Warranty	Minimum 1 Year From the date of Commissioning				
7	**Dehumidifier**					
SL	Product Description		UoM	Qty		
1	Brand	Gree	Nos	2		
	Country of origin	China				
	Country of Manufacturing	China				
	Model	GD-24NL				
	Capacity	24 Ltr/Hr				
	Moisture Removal (L/day)	24 [30oC @ 80%RH].				
	Power Supply (V/Hz/P)	220-240V/50 Hz/1Ph.				
	Power Input (W):	380 Watts				
	Air Flow Volume (m3/hr):	170 m3/hr				
	Water Tank Volume	3.8Ltr				
	Refrigerant:	R-134a				
	Warranty	1 Year				

8	**Very Early Smoke Detection Apparatus (VESDA)**					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
	Item	VESDA Smoke Detection System	Set	1		
	Brand	Xtralis				
	Model	VLF-250				
	Brand Origin	USA				
	Features	Out-of-the-Box Installation & Commissioning				
		Ultrasonic Airflow Sensing				
		Laser-Based Absolute Smoke Detection				
		Pre-engineered pipe network designs				
		Programmable Alarm Thresholds				
		Clean air barrier optics protection				
		Instant Recognition Display				

		Instant Fault Finder				
		Auto Learn Smoke				
		Auto Learn Flow				
		Field Service Access Door				
		Multiple Event Logging in separate logs				
	Event log	up to 18000 events				
	Configuration capability	Offline/Online				
	Coverage	Up to 250 m2 (2500 sq. ft.)				
	Approval	LPCB (Loss Prevention Certification Board), UK				
		FM (Factory Mutual), US				
		UL (Underwriters Laboratories Inc.), US				
		ULC (Underwriters Laboratories Canada), Canada				
		Vds (Verband der Sachversicherer e.V), Germany				
	Power Supply	24 volt DC power supply	Nos	1		
	VESDA PIPE	25 mm dia PVC VEDA Pipe with Joint socket, t- Joint and pipe hanger ,	Lot	1		
	Installation	Installation, Testing and commissioning	Job	1		

9	**Rodent repellent system**					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
1	**Digital Controller**		**No's**	**2**		
	Brand	Maser				
	Brand Origin:	INDIA				
	Country of Manufacture:	INDIA				
	Model:	VHFO -V2				
	Coverage area: ≥5000 Sq Feet					
		LCD display with on-board controls				
		Wave Speed: Is an indicator for the number of frequency sweeps per minute. It can have a maximum value of 130 and a minimum value of 60. The incremental size is 5 i.e. 65, 70, 75 and so on.				
		Wave Density: Is an indicator for the number of divisions within a frequency band. It can have a maximum value of 100 and a minimum value of 80. The incremental size is 10 i.e.80,90 and 100.				

		Frequency Band Time: Is an indicator of the time for which the controller would operate in a pre-programmed frequency band. There are 3 bands available: Band A, Band B, and Band C. This parameter can have maximum value of 10 minutes and a minimum value of 1 minute per band. Depending upon the time frame set for each band, the controller will switch the bands automatically.				
		Machine/Controller ID: Is an indicator of the machine/controller identification number. It can have any value within the range of 0 to 255.				
		Password Protection: Every controller is password protected. To change the parameters mentioned above you have to key in the password. The password can be changed if required. The password can be any 5 digit number.				
		Frequency Testing: This feature will enable the user to test and verify the frequency that is being transmitted from the controller to the transducer. This feature would be particularly useful during systems audit.				
		Transducer Testing: Can drive up to 20 Transducers and all the 20 transducers can be tested in an audible range one at a time by using this feature of this device				
		Inbuilt RS/EIA-485 transmission up to 1.2 kms to protected area (BMS Room).				
		Frequency band of > 20 KHz and <60 KHz is pre-tuned for 100 different frequencies.				
		Each Transducer should cover up to 500 sq. feet of area on true ceiling and below false flooring or up to 400 sq. feet of area.				
		UL and CE approved transformers for power supply.				
2	Transducer		No's	8		
	Brand	MASER/ Internationally Reputed Brand				
	Brand Origin:	India				
	Country of Manufacture:	India				
		The satellites or Transducers shall be circular on true ceiling mounted low profile units that produce high decibel sound waves at very high frequency not less than 20 Khz. These satellites shall cover an area not less than 300 Sq.ft for				

		Room void application, for ceiling Voids & floor void applications				
3	Accessories		Lot	1		
4	Controller base		Nos.	1		
5	Cable for transducers (2x .4 rm) (100 meter per coil)	Cable for transducers (2x .4 rm) (100 meter per coil)	Coil	1		
6	Power Cable (100 meter per coil)	Power Cable (100 meter per coil)	Coil	1		
7	Others (if any)	Conduit with all accessories	Lot	1		
10	Installation	Installation, Testing, Commissioning	Job	1		

10	**Environmental Monitoring System**					
SL	**Product Description**		**UoM**	**Qty**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	NTI	Lot	1		
	Origin	USA				
	Country of Manufacturing	USA/China				
	Model	E-5D				
	Controller Port:	Minimum 8 port				
		Supports up to 8 x Temperature/Humidity Sensors				
		Supports up to 16 x Go-Probe Alarm Sensors				
		Optional GSM modem for SMS alerts				
		Email, SNMP alerts				
		Automated telephone voice alerts also available				
		Web browser interface for remote monitoring				
		Monitoring also possible using an SNMP-based Network Management System & Telnet				
		Up to 2 Relay Outputs for automated, on-site, crisis management				
		On-board logging (network independent)				
		On-board graphing facility				
		User-configurable alarm thresholds				
		Range of optional sensors available				
		Cat6 cabling to Temperature/Humidity probes for maximum user flexibility				
		SOFTWARE:				
		Browser				

		EMS can be monitored and managed 'out-of-the-box' via its comprehensive browser interface.				
		Key features include:				
		Visual 'comprehensive' interface for quick identification of temperature/humidity or sensor alarms				
		Straightforward labeling of sensors to identify location and type of sensor				
		Quick configuration of alarm thresholds, Email recipients, trap receivers, system information				
		Viewing of extensive event and detail files, all of which can be exported in .csv format into excel, etc. Java				
		A java window can be launched via the EMS browser interface to display real-time meters or graphs for each sensor being monitored, as well as for historical and extended historical data recorded by the EMS.				
		Network Management				
		EMS can be integrated into network management systems supporting SNMP, such as WhatsApp Gold and HP Open view				
2	**Temperature/Humidity**		Nos	3		
		High and low warning and critical temperature and humidity thresholds can be configured in the EMS to ensure alarms are raised when room or rack conditions are abnormal. The hysteresis configuration facility ensures that alarms are not continually triggered when levels are 'floating' around the configured thresholds.				
3	**Water leak detection sensor 3 meter**		Nos	1		
		The EMS water leak sensor is supplied with 3 m of leak detection cable. The cable can be run under air conditioning units, in ceiling voids, under raised floors, under pipes, and around room perimeters to provide a comprehensive, easy-to-install, leak detection facility.				
4	GSM modem	GSM modem for SMS alerts (SIM should provide customer)	Nos	1		
		Email, SNMP alerts				

		Automated telephone voice alerts also available				
		Web browser interface for remote monitoring				
		SNMP-based Network Management System & Telnet				
		Accessories				
		Supply, Installation & Commissioning charge				

11	Data Center Earthing					
SL	**Item**	**Description**	**UoM**	**QTY**	**Unit Price in BDT**	**Total Price in BDT**
1	Earthing system	Earthing depth should be 200 feet with 1.5 inch MS pipe. 0/2 SWG copper wire end connected with Copper bonded earthing Rods and top connected with a bus-bar with Socket. All groundings should be interconnected. Earthing value should be < 1 Ohm. All accessories Like: cooper, Nut+Bolt, Pit etc	Nos	2		
2	Earthing Cable	1X50rm BYA	Met.	70		

12	Cable Ladder					
SL	**Item**	**Description**	**UoM**	**Unit**	**Unit Price in BDT**	**Total Price in BDT**
1	MS angle ladder	MS angle: 12" for Power cable laying of Ceiling & wall mounting with top and bottom in Ground Floor to Data Center Power room.	RFT	100		
2	Cable Tray for Network & Power of data center	Cable Tray for industrial socket and Power Room:16 & 18 SWG Sheet steel fabricated Ceiling mounting with inside cable laying with cover. Siemens gray power coated Blackcolor painting.	RFT	100		
		* 16 gauge cable tray with Cover for Power room cable Laying (300mmX150mm)				
		* Accessories (Screw, Royal Bolt, Clump, Rivet, thread Road, Angle Bar) (At Actual)				

13	3 Ton Wall /Celling Mount Air Conditioner					
SL	**Item**	**Description**	**UoM**	**QTY**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	DAIKIN /General	Lot	5		
	Country of origin	USA/EU/Japan				

	Country of Manufacturing	To be mention by the bidder				
	Model	To be mention by the bidder				
	Capacity	3.0 Ton / 36,000 BTU/h				
	Type:	Wall-mounted indoor unit.				
	Power Supply:	208-230V ,1 Phase				
	Power Consumption	3400 Watt				
	Cooling Airflow (CFM)	600 to 799				
	Refrigerant:	R-410A (CFC Free)				
	Coil Material:	100% Copper				
	Modified Outdoor Cooling Temperature Range	,-40 to 115 F (-40 to 46 C) Matched with RKS36LVJU Outdoor (Air Adjustment Grille and Low Ambient Kit Required), 0 to 115 F (-18 to 46 C) Matched with RKS36LVJU Outdoor (Cutting a Jumper or Dipswitch Setting and Air Adjustment Grille Required)				
2	Automatic AC Control Panel	Automatic AC Control Panel	Nos	2		

14	**Electrical Works For Data Center**					
SL	**Item**	**Description**	**UoM**	**QTY**	**Unit Price in BDT**	**Total Price in BDT**
1	**EMDB-- 1 Nos**		Nos	1		
	INCOMING :					
		800A,TP, 50KA, 415V,50Hz (MCCB) Circuit Breaker Brand: Legrand/ABB				
		Current transformer ratio : 300/5A with suitable accuracy and burden.				
		Phase indicating lamp RED/YELLOW/BLUE.				
		Set control fuse.				
	OUTGOING :					
		125A,TP, 16KA, 415V,50Hz (MCCB) --1 Nos (for 60KVA AVR) Circuit Breaker Brand: Legrand/ABB				
		400A 25KA MCCB - -1 Nos for 200KVA AVR Input				
		32A TP MCB -2 Nos				
		32A, 10 kA, 3-pole, MCB for SPD (With 25KA SPD) -1 Nos				
		16/32SP MCB -4 Nos				
		Enclosure as required.				
		Copper Rating : 1000A,				
		TP+(N+PE busbar suitably sized).				

	MDB-- 1 Nos for Data Center		Nos	1		
	INCOMING :					
		125A,TP, 16KA, 415V,50Hz (MCCB) Circuit Breaker Brand: Legrand/ABB				
		Current transformer ratio : 300/5A with suitable accuracy and burden.				
		Phase indicating lamp RED/YELLOW/BLUE.				
		Set control fuse.				
	OUTGOING :					
		40A,TP, 16KA, 415V,50Hz (MCCB) --2 Nos (for 20KVA UPS) Circuit Breaker Brand: Legrand/ABB				
		Enclosure as required.				
		Copper Rating : 150A,				
		TP+(N+PE busbar suitably sized).				
	MDB-- 1 Nos for Floor UPS		Nos	1		
	INCOMING :					
		400A 25KA MCCB 150KVA AVR Out put Circuit Breaker Brand: Legrand/ABB				
		Current transformer ratio : 300/5A with suitable accuracy and burden.				
		Phase indicating lamp RED/YELLOW/BLUE.				
		Set control fuse.				
	OUTGOING :					
		250A 25KA MCCB for -for 2 Nos 120KVA UPS				
		Enclosure as required.				
		Copper Rating : 500A,				
		TP+(N+PE busbar suitably sized).				
	UPS Output DB-02 Nos		Nos	2		
	INCOMING :					
		40A,TP, 16KA, 415V,50Hz (MCCB) --1 Nos				
		Current transformer ratio : 300/5A with suitable accuracy and burden.				
		Phase indicating lamp RED/YELLOW/BLUE.				
	OUTGOING :					
		16/32SP MCB -8 Nos for Rack Connection				
		Enclosure as required.				

		Copper Rating : 60A,				
		TP+(N+PE busbar suitably sized).				
	UPS Output DB-01 Nos	For 120KVA UPS Output (Parallel Operation)	Nos	1		
	INCOMING :					
		250A 25KA MCCB - 2Nos for 120KVA UPS				
		Current transformer ratio : 300/5A with suitable accuracy and burden.				
		Phase indicating lamp RED/YELLOW/BLUE.				
	OUTGOING :					
		40A TP MCB - 3 Nos				
		16/32 SP MCB -20Nos for Rack Connection				
		Enclosure as required.				
		Copper Rating : 500A,				
		TP+(N+PE busbar suitably sized).				
3	**Electrical Cable**					
		Supply of PVC insulated single core cable/PVC insulated & PVC sheathed single/multi core fire rated cables (BRB) having ISO 9002 certified co. of the following sizes in pre-laid conduits/trench/tray and making good all damages and termination of connection at both ends as per drawing, specification and instruction of the Engineer-in-charge.				
		Cable Brand: Poly Cables				
	Floor DB to Server Room MDB	NYY 1 X 240RM Cable	Mtr	200	As required	
	Grounding Cable	BYA 1 X 120RM	Mtr	50	As required	
	MDB to 120KVA UPS Input /output	NYY 1 X 120RM Cable	Mtr	100	As required	
	UPS output Load to 120KVA	3 X 2.5RM BYA Cable	Mtr	2000	As required	
	MDB to UPS Input o/p Cable	NYY 1X 10rm	Mtr	100		
	UPS DB to Rack Industrial Socket	NYY 3 X 6RM	Mtr	200		
	MDB to AC Input Cable	3 X 4RM BYA Cable	Mtr	200		
	UPS indoor to Outdoor Cable	3 X 2.5RM BYA Cable	Mtr	300		
	Cable for Lighting	1 X 1.5RM BYA Cable	Mtr	400		

	Data Center Lighting	Energy saving LED Panel light with Square PashaSuncobd (300X300mm)	Nos	12		
	Emergency Light (Power & Server Room)	Emergency Light backup time min60min when electricity will failed	Nos	2		
	Industrial Socket	32A Single Phase Surface type Industrial Socket (Brand: Legrand)	Nos	10		
	Multi Socket	3 pin Multi Socket (Legrand)	Nos	8		
	Switch for light	2 Gang Switch (Legrand/)	Nos	4		
	Lighting Channel	Aluminum Lighting Channel	RFT	100		
	Accessories	All Accessories of electrical Installation like royal Plug, Channel, Conduite ,Tape, Screw etc will provide by Bidder	Lot	1		

Note: The final BOQ will be finalized after the site visit. the quantities are tentative and subject to variation based on actual site conditions. Final quantities shall be determined after site assessment and payment shall be made as per actual consumption at the quoted BOQ unit rates.

15	**32A Automatic Transfer Switch**					
SL	**Item**	**Description**	**UoM**	**Unit**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	APC/Vertiv/Dell	Nos	2		
	Origin	USA/EU				
	Country of Manufacturer	To be Mention by the bidder				
	Model	To be Mention by the bidder				
	Type	Automatic switching power redundancy to single corded equipment with Manageable				
	Input Voltage	200V, 208V, 230V				
	Frequency	50/60 Hz				
	Dimension	H X W X D (88x 432x236) mm				
	Output Voltage	230V				
	Form factor	2U				
	Manageability	Network manageable through TCP/IP				
	Transfer Time	<10ms				
	Capacity	32A				
	Display	LCD display for operating information				
	Output Connection	(16) IEC 320 C13 (Battery Backup) , (2) IEC 320 C19				
	Interface	Access, configure, and manage remotely via web interface, telnet, SNMP, SSH				

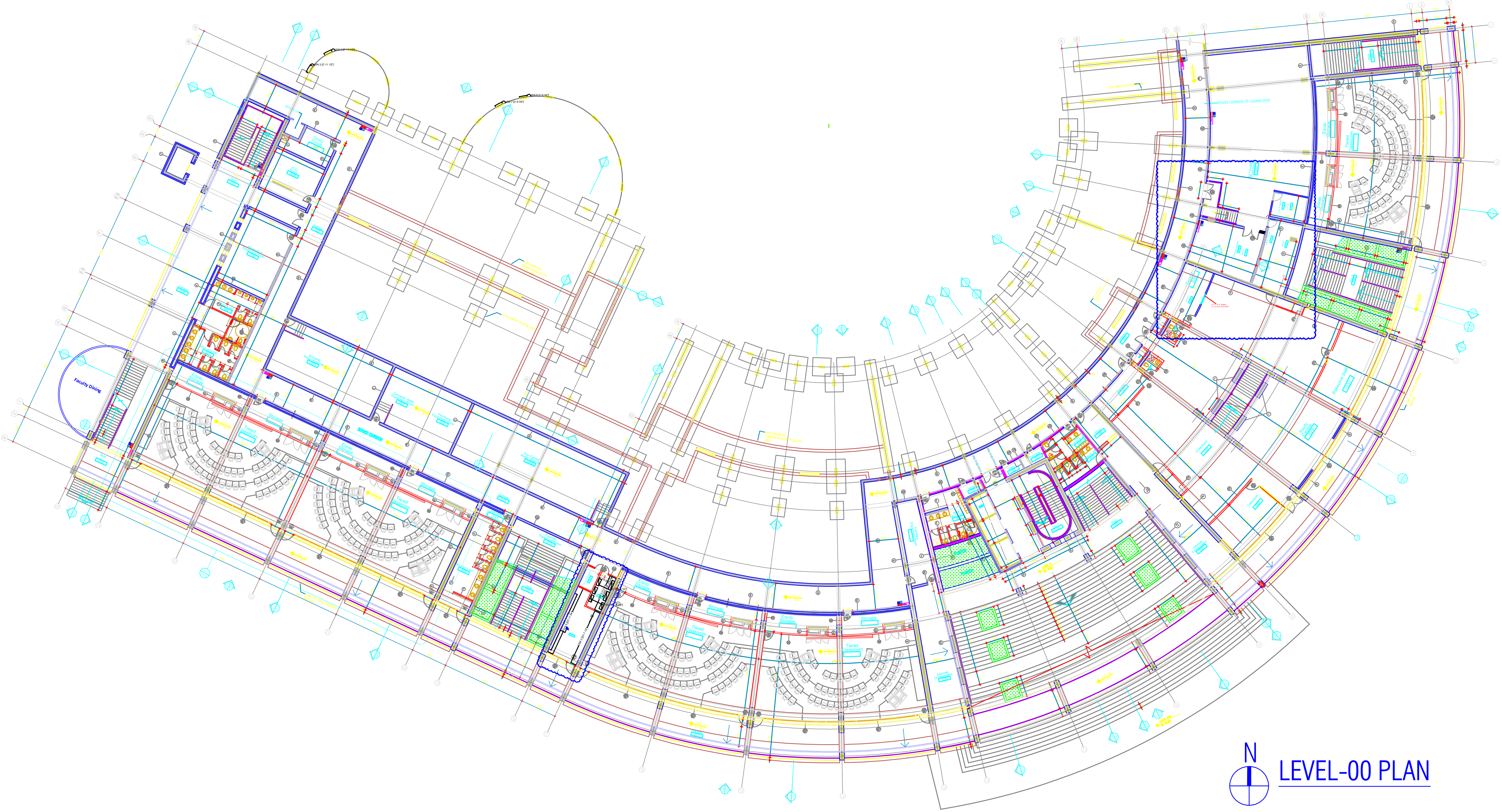
		Bidder should be integrate with Central CMS/DCIM which are installed at Data Center				
	Input Connection	IEC 309 32A 2P+E				
	Cord Length	2.44 meters				
	Installation	All kinds of Installation, Commissioning, Troubleshooting at site				

16	60 KVA Automatic Voltage Regulator					
SL	**Item**	**Description**	**UoM**	**Unit**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	International Reputed Brand	Nos	1		
	Origin	To be Mention by the bidder				
	Country of Manufacturer	To be Mention by the bidder				
	Model	To be Mention by the bidder				
	Capacity	60KVA				
	Input Voltage	305=4V-456V AC (3 Phase)				
	Output Voltage	380V +/-2.5V (3 Phase)				
	Voltage regulation Accuracy	±2.5%				
	Insulation Resistance	>2MΩ				
	Withstand Voltage	2000v 1min no disruption or flashes phenomenon				
	Frequency	50Hz/60Hz				
	Response Time	<1.5s (when the input voltage changes 10%)				
	Efficiency	>98%				
	Waveform aberration	Without waveform				
	Warranty	1 Year				

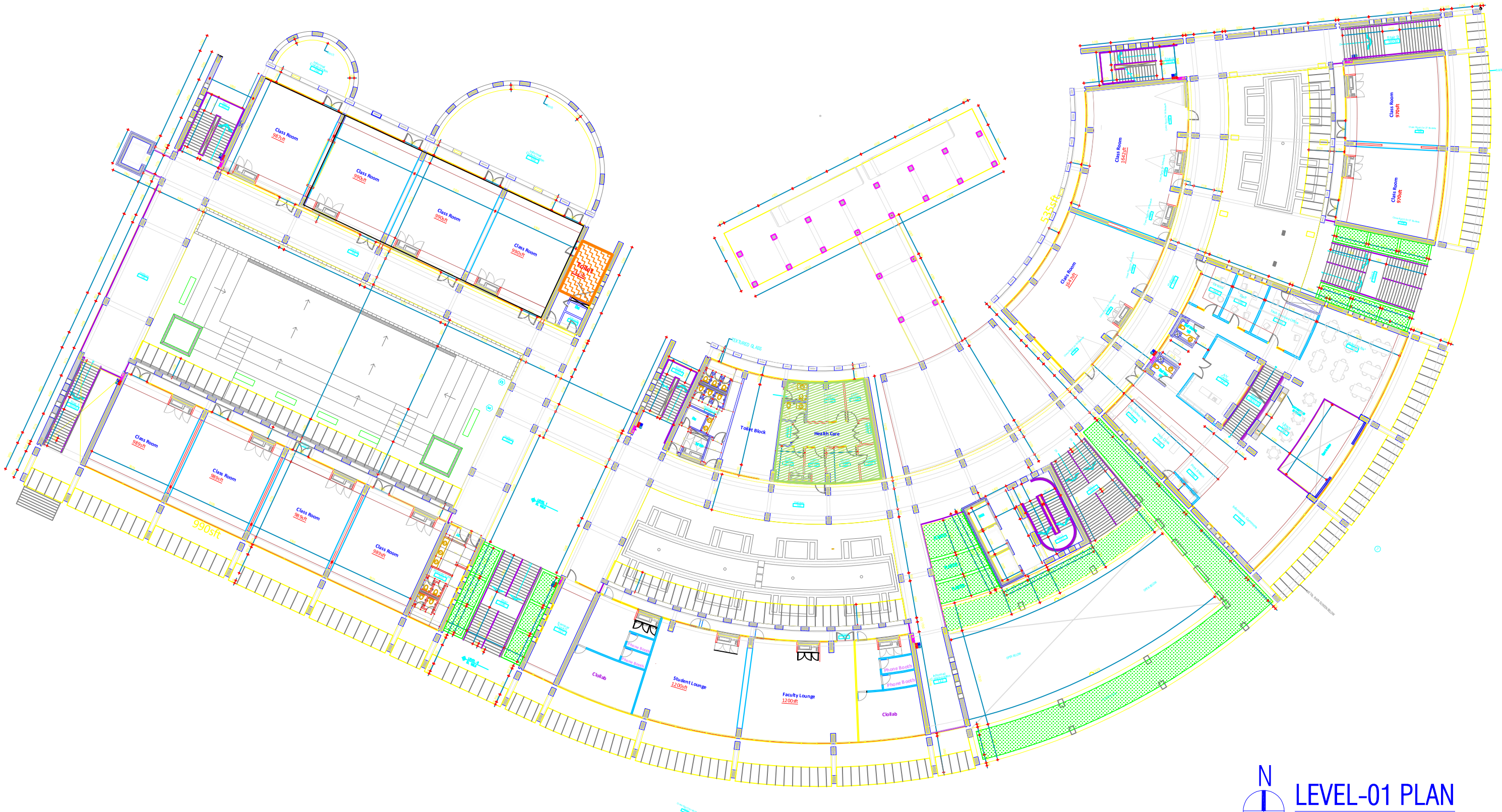
17	200 KVA Automatic Voltage Regulator					
SL	**Item**	**Description**	**UoM**	**Unit**	**Unit Price in BDT**	**Total Price in BDT**
1	Brand	International Reputed Brand	Nos	1		
	Origin	To be Mention by the bidder				
	Country of Manufacturer	To be Mention by the bidder				
	Model	To be Mention by the bidder				
	Capacity	200KVA				
	Input Voltage	305=4V-456V AC (3 Phase)				
	Output Voltage	380V +/-2.5V (3 Phase)				
	Voltage regulation Accuracy	±2.5%				
	Insulation Resistance	>2MΩ				

	Withstand Voltage	2000v 1min no disruption or flashes phenomenon				
	Frequency	50Hz/60Hz				
	Response Time	<1.5s (when the input voltage changes 10%)				
	Efficiency	>98%				
	Waveform aberration	Without waveform				
	Warranty	1 Year				

Architectural Floor Plan



LEVEL-00 PLAN



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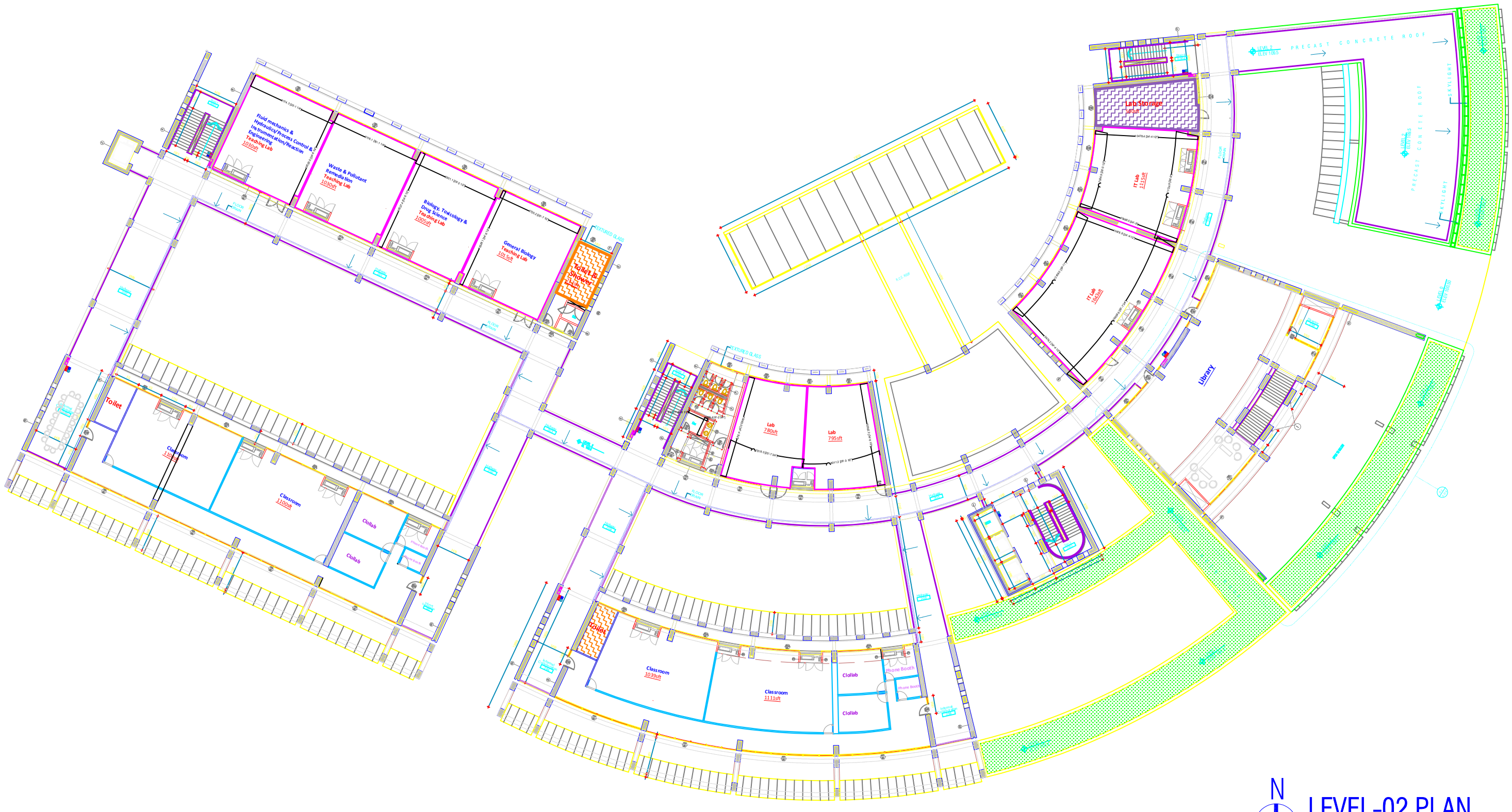

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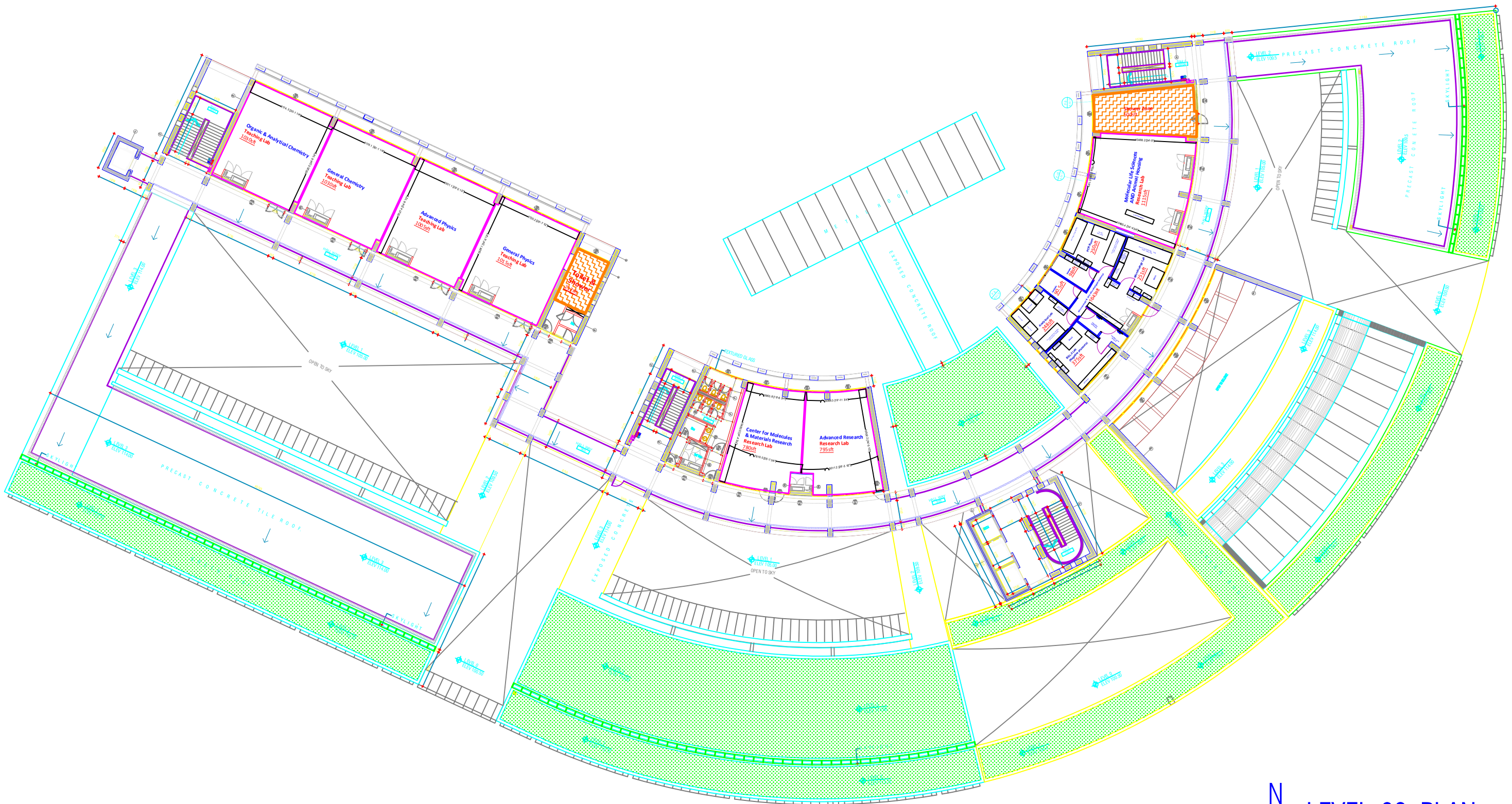

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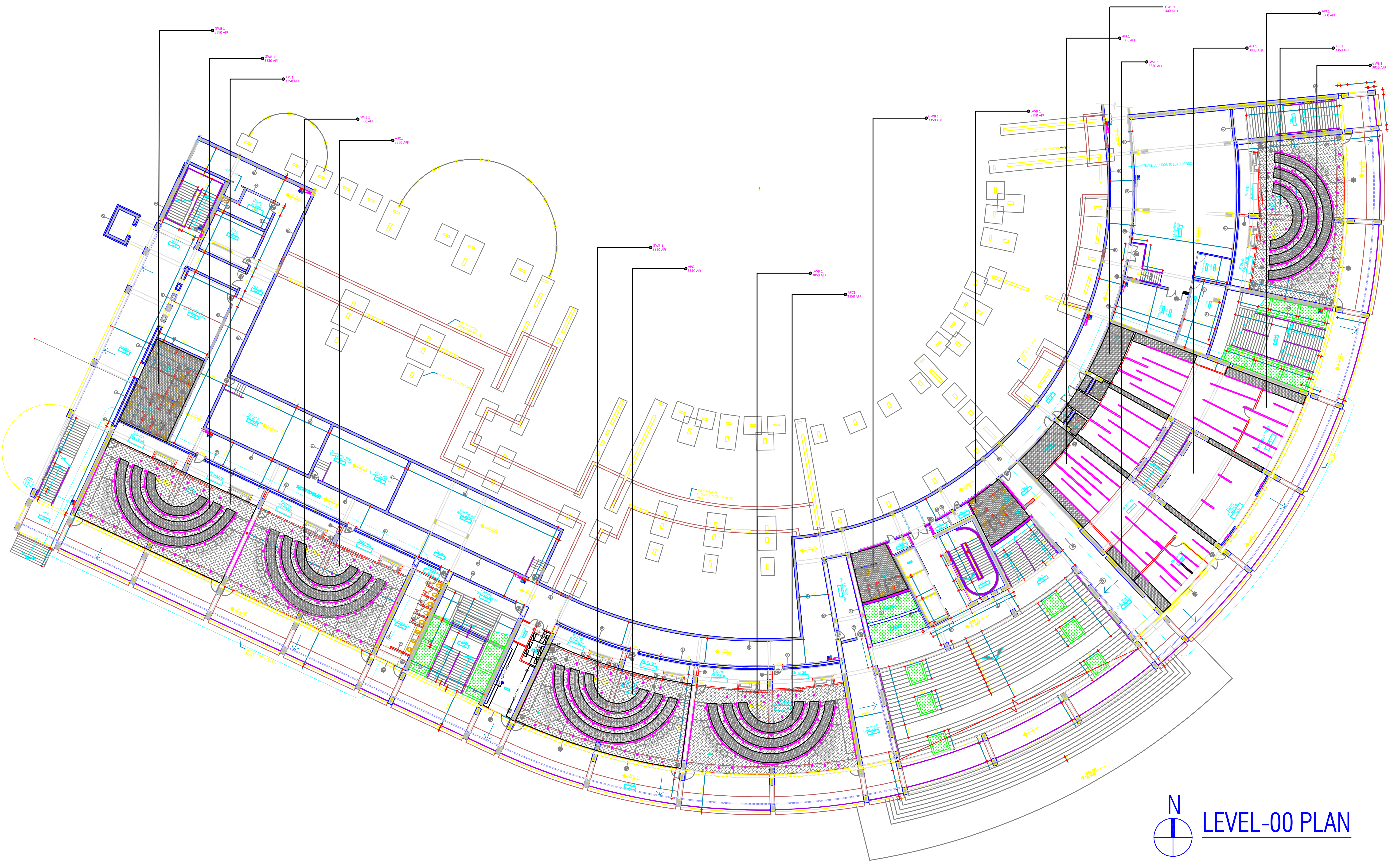

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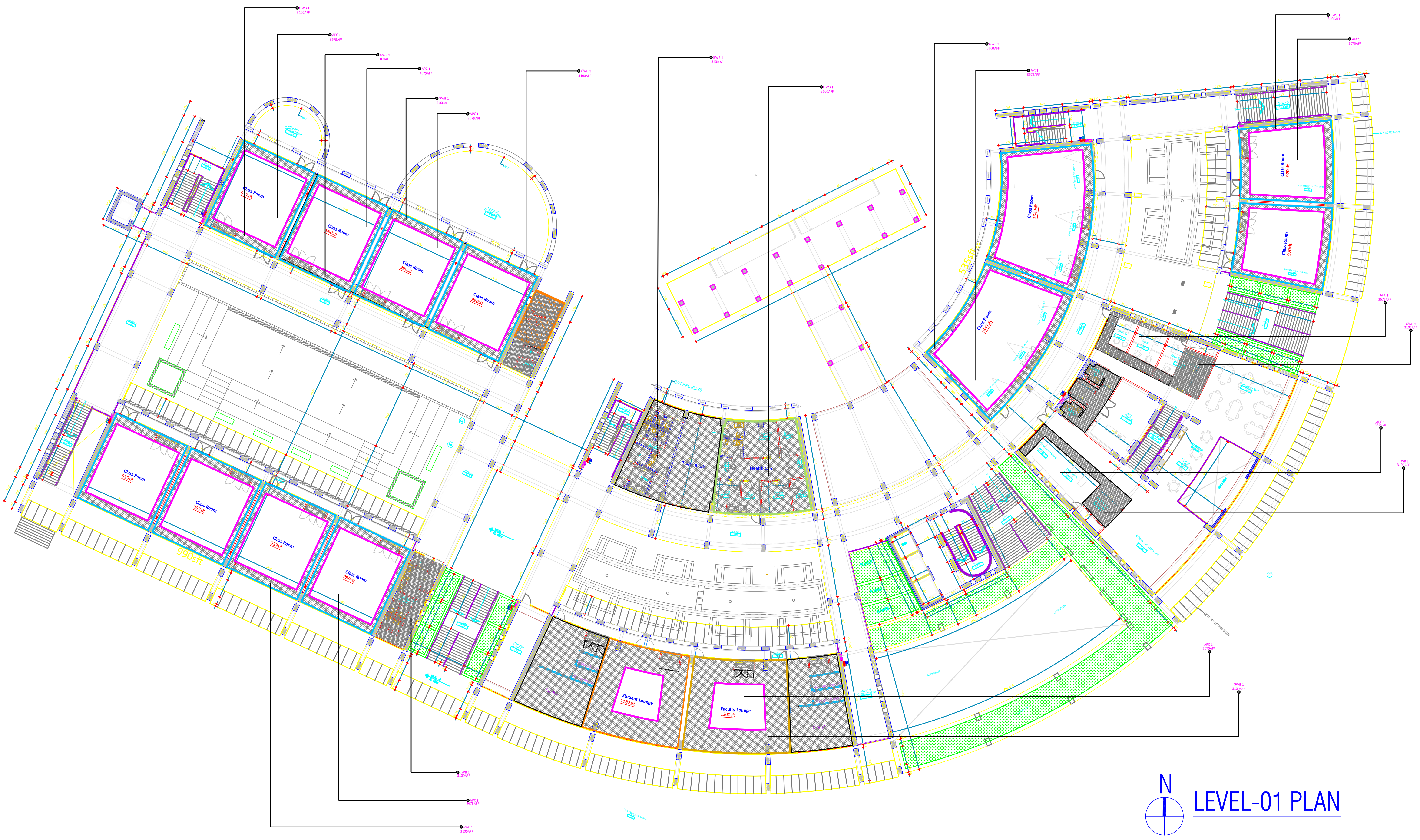


LEVEL-01 PLAN

Fluid mechanics & Hydraulicity Process Control & Environmental Engineering Teaching Lab
105SQ.M

Waste & Pollutant Remediation Teaching Lab
105SQ.M

Biology, Toxicology & Drug Science Teaching Lab
105SQ.M

General Biology Teaching Lab
105 S.M

Teacher's Office
21SQ.M

Toilet
21SQ.M

Corridor
105SQ.M

Porter

Classroom
110SQ.M

Classroom
110SQ.M

Classroom
110SQ.M

Toilets

Toilets

Lab Storage
60SQ.M

Lab Storage
105SQ.M

Lab Storage
105SQ.M

Lab
105SQ.M

Lab
105SQ.M

Library

PRECAST CONCRETE ROOF

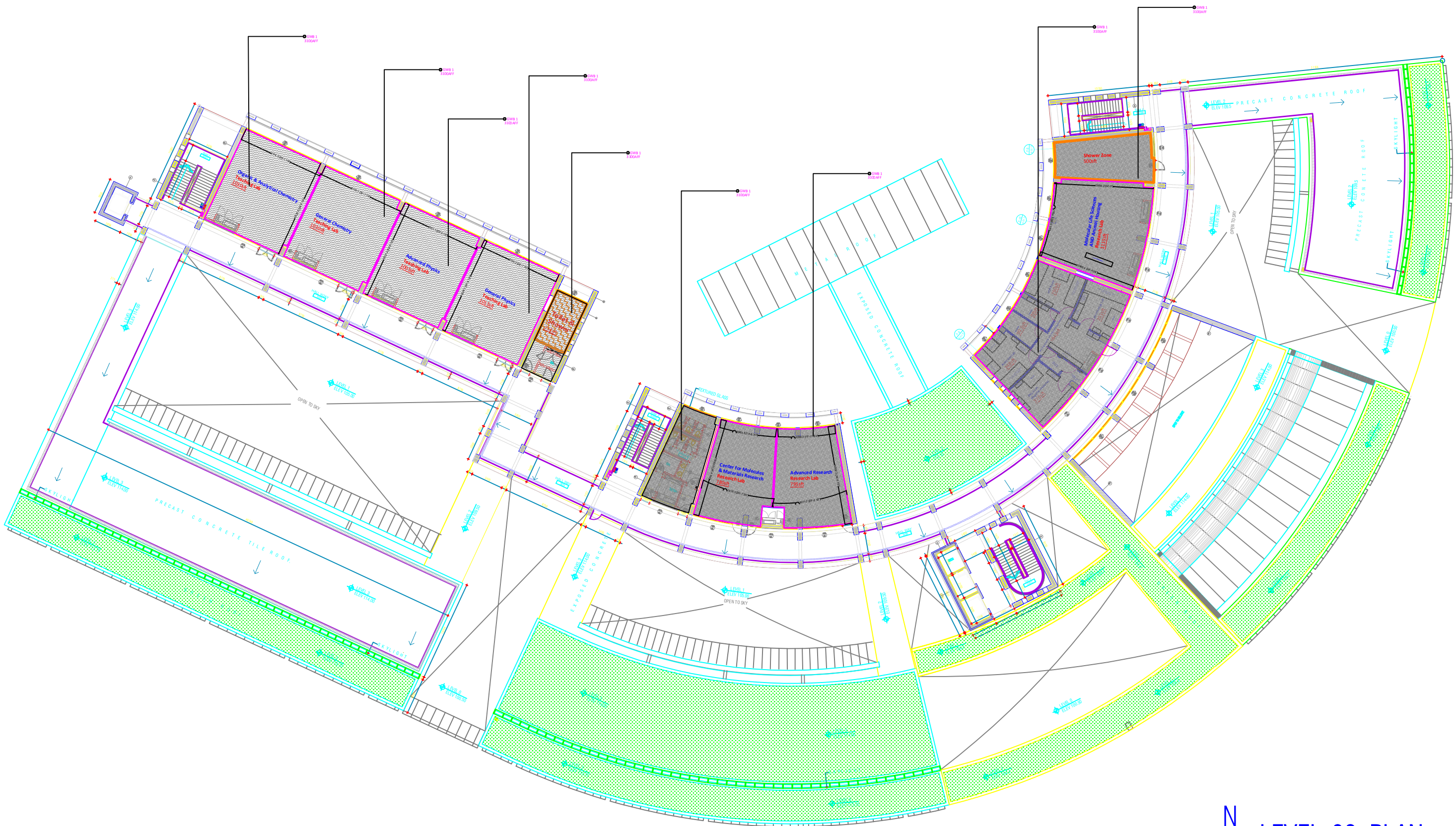
SKYLIGHT

SKYLIGHT

PRECAST CONCRETE ROOF

PRECAST CONCRETE ROOF

LEVEL-02 PLAN



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LEVEL-03 PLAN