



## **REQUEST FOR PROPOSALS (RFP)**

**Tender Name:** Design and Installation of Lightning Arresters

**Tender Reference Number:** RFP/PFPD-05/2025

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### **1. Introduction**

Solomon Islands National University (SINU) invites proposals from qualified and experienced contractors for the supply, delivery, and installation of lightning protection systems across its main campuses. This project aims to enhance safety measures, safeguard infrastructure, and mitigate risks associated with lightning strikes.

Over the years, SINU has incurred losses exceeding SBD100,000 annually due to lightning strikes, posing a significant concern for its infrastructure. This tender seeks to identify effective solutions to mitigate or eliminate future losses caused by lightning.

### **2. Scope of Work**

The successful bidder will be responsible for the complete design, supply, installation, testing, and commissioning of lightning arresters for the following buildings:

#### **2.1. Kukum Campus**

- Faculty of Science & Technology (FST)
- Nursing & Health Studies
- Faculty of Business & Tourism (FBT)
- Faculty of Agriculture, Fisheries & Forestry (FAFF)
- Business Information & Communication Systems (BICS)
- Administration & Finance Building
- ICT Centre
- Vice-Chancellor's Office (VCO)
- University Library
- Properties, Facilities & Projects Division
- Student Hostels

#### **2.2. Panatina Campus**

- Faculty of Education & Humanities (FEH) Complex
- New FST / Curriculum Building
- Pavilion
- University Library

#### **2.3. Ranadi Campus**

- Fisheries Library
- Administration Building
- Classrooms

### **3. Technical Requirements**

The lightning protection system must meet international standards, including but not limited to:

- IEC 62305 – Protection against lightning
- NFPA 780 – Standard for the Installation of Lightning Protection Systems
- BS EN 50164 – Lightning Protection Components

The installation must include:

1. Air Termination System
  - Copper/Aluminium air terminals are strategically placed to cover each building effectively.
  - Elevated masts where necessary to ensure full coverage.
2. Down Conductors
  - Copper/aluminium stranded cables are properly secured along the buildings.
  - Minimum conductor size: 50 mm<sup>2</sup>.
  - Proper grounding connections and routing to minimize resistance.
3. Grounding System
  - Earth rods: Copper-bonded steel rods (min. 3 meters in length, 16 mm diameter).
  - Soil resistivity tests must be conducted to determine optimal grounding.
  - Earthing resistance must not exceed 10 ohms.
4. Surge Protection Devices (SPDs)
  - Installation of SPDs at main distribution panels to protect electrical equipment.
  - SPD compliance: IEC 61643-11.
5. Testing & Commissioning
  - Ground resistance testing.
  - Continuity testing for down conductors.
  - Lightning impulse testing (if required).
  - Submission of test results and compliance certification.

### **4. Maintenance and After Sales Support**

- Contractors must provide a detailed maintenance plan for SINU staff.
- Training must be provided on basic troubleshooting and maintenance procedures.
- The warranty period for installed systems should be clearly specified (minimum 2–5 years).

### **5. Project Duration**

- The project must follow a structured timeline, including key milestones such as:
  - Delivery of materials
  - Completion of installation per campus
  - Testing and commissioning

## **6. Payments Schedule**

- Payments will be made in phases based on milestone completion and approval by SINU. An upfront mobilization payment of 20% will be made after signing the agreement. Other payment milestones will be proposed by the tenderer.
- All costs must be inclusive of the relevant tax applicable to this service.

## **7. Contractor Requirements**

Interested contractors must meet the following criteria:

- Registered business with valid business licenses and tax clearance certificates.
- Demonstrated experience in similar lightning protection projects.
- Trained personnel with relevant certifications in electrical and lightning protection installations.
- Proven track record of compliance with occupational health and safety (OHS) standards.
- Ability to supply all necessary tools, materials, and equipment for the installation.
- Proof of insurance coverage for workers, third-party liabilities, and property damage.
- Proof of Financial Capability such as Bank Statement.

## **8. Safety and Environment Compliance**

- Contractors must implement a strict safety plan, ensuring worker protection.
- All works must comply with SINU's health and safety regulations.
- Waste materials must be properly disposed of following environmental guidelines.

## **9. Pre-Bid Meeting & Site Inspection**

- A mandatory Pre-Bid meeting will be conducted followed by a site inspection before tender submission on **Wednesday 30<sup>th</sup> April 2025**.
- Prospective bidders will be required to attend to gain a better understanding of the scope and site conditions.

## **10. Submission Requirements**

All tenders must include:

- Company profile with details of previous similar projects.
- Copy of business registration, tax compliance, and relevant licenses.
- Bank Statement of Business and Financial Reports for the past two years.
- Detailed technical proposal, including design approach and methodology.
- Project timeline, outlining the estimated duration of works.
- List of equipment, tools, and safety measures to be used.
- Warranty period for the installed systems.
- Financial proposal, including cost breakdown.
- Risk management plan and insurance details.

## **11. Evaluation Criteria**

Tenders will be assessed based on:

#### Technical Proposal:

- Technical compliance and methodology.
- Experience and expertise in lightning protection systems.
- Safety and environmental compliance.
- Project timeline feasibility.
- Warranty and post-installation support services

#### Financial Proposal

- Financial capability.
- Cost

The weights applied will be Technical Proposal 40% and Financial Proposal 60%.

### **12. Contract Award**

The Most Economically Advantageous Tender will be contacted by the Purchaser in writing requesting the opening of negotiations on the proposed contract. The actual location and time of these negotiations will be decided and agreed upon by both parties at the opening of the negotiations. If these negotiations are successful, then contract documents shall be processed at the earliest opportunity.

### **13. Validity of Submission**

Submissions should be valid for a period of ninety (90) days from the deadline for receipt of submissions.

### **14. Submission Procedure and Deadline**

All EOI and required documentation must be submitted in a sealed envelope to the address below before 4.30 pm (Solomon Islands time) on **Friday 16th May 2025**. Electronic submission can be sent to email: *tender.board@sinu.edu.sb*. Late or incomplete submissions will not be considered.

*[Tender Ref. No, Tender name]*

**The Chairman**

**University Tender Board**

**Solomon Islands National University**

**P.O Box R113**

**Honiara**

### **15. Contact Information**

For any inquiries regarding this tender, please contact:

Name: Moffat Selo, Director of Property Facilities & Projects

Email: Director.PFP@sinu.edu.sb

Phone: +677 42600

*SINU reserves the right to accept or reject any or all submissions, without obligation to award a contract.*