



Republic of the Philippines  
**SOUTHERN LUZON STATE UNIVERSITY**  
Lucban, Quezon

**REQUEST FOR QUOTATION**

**GEOTECHNICAL INVESTIGATION (PDO-INFRA)**

**Purchase Request No. 2025-01-0110**

**Approved Budget for the Contract: ₱ 60,000.00**

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Geotechnical Investigation (PDO-Infra)** to apply the sum of **Sixty Thousand Pesos Only (₱ 60,000.00)** inclusive of VAT, being the **Approved Budget for the Contract (ABC)**, details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Geo-Water Scan for SLSu - Main Campus
		<b>*see attached document for scope of works</b>

1. The quotation must be submitted (can also be send thru email at the contact details listed below) or to the Office of the Procurement Office/Bids and Awards Committee, Southern Luzon State University, 2<sup>nd</sup> Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : [slsuprourement@slsu.edu.ph](mailto:slsuprourement@slsu.edu.ph)

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.

  
**MARIDEL C. ZABELLA**  
Director, Procurement Office  
Southern Luzon State University  
Lucban, Quezon  
Tel. No.: (042)540-6519





Republic of the Philippines  
Southern Luzon State University  
Planning & Development Office  
Lucban, Quezon

**PROJECT TITLE :** Geo-Water Scan for SLSU at New SLSU ~~Main~~ Campus

**PROJECT LOCATION :** SLSU – ~~Main~~ Campus ~~Lucban~~, Quezon

**OWNER :** Southern Luzon State University

**PROJECT DURATION :** 14 Calendar Days (Except Regular Holidays)

**SUBJECT :** Scope of Works



**SCOPE OF WORKS**

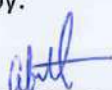
**I. GENERAL REQUIREMENTS**

- Mobilization – Mobilization shall include all activities and associated cost for transportation of contractor's personnel, equipment and material supplies to the site.
- Safety Program & Policy - The contractor will shoulder all the safety/protective equipment's that will be used for testing, such as safety shoes, safety helmet, first aid kit/meds, specialized PPE and safety warning devices in the duration of the project.
- Demobilization – Demobilization shall include all activities and cost for removing personnel, equipment and cleanup after completion of project.

**II. GEO-WATER SCAN**

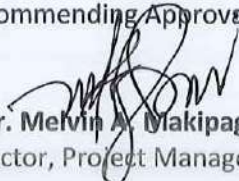
- The contractor shall provide all the necessary tools, equipment's and material's needed to conduct the water scan in the campus.
- The contractor shall be responsible for the preparation to be able to conduct water scan in campus.
- The contractor will provide the necessary signed results of the water scan.

Prepared by:



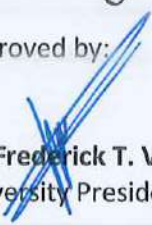
**Engr. Joe Marino P. Abutal**  
Assistant Planning Engineer

Recommending Approval:



**Engr. Melvin A. Makipagay**  
Director, Project Management Office

Approved by:



**Dr. Frederick T. Villa**  
University President

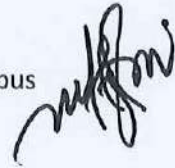
Republic of the Philippines  
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**PROJECT TITLE :** Geo-Water Scan for SLSU at New SLSU ~~MAIN~~ Campus

**PROJECT LOCATION :** ~~LUCBAN~~ Quezon

**OWNER :** Southern Luzon State University

**SUBJECT :** Methodology



## **METHODOLOGY**

### **I. Geo Water Scan/Geo Water Seeker:**

Geo-water scans are a method of detecting underground water using geophysical surveys, which can use electromagnetic, acoustic, gravity, or magnetic signals to create a subsurface map. It uses a groundwater detector that uses long-range locating technology to help uncover underground water sources. This method can help identify water-saturated soil layers that may be potential aquifers.

### **II. Objective of Geo Water Scan/Geo Water Seeker:**

1. Evaluate the groundwater potential of aquifers.
2. Predict the depth to boreholes.
3. Provides comprehensive understanding of the quantity of water resources on the area.

### **III. Procedure for Geo-Water Scan/Geo Water Seeker:**

1. The device Geo Water Scan/Geo Water Seeker uses two electrodes to pump electrical energy into the underground soil, in addition to two additional electrodes that measures the difference of the voltage (voltage drop) at specific points of the scan to calculate the final resistance value.
2. This mode is used to detect groundwater water deposits, in this scan you will be able to determine the depth accurately and measurements. So you will set the start and end of depth between 5 meters and 250 meters.
3. After the measurement is completed, a 3D graphical representation is created and displayed on the Tablet PC screen.
4. Scan and graphical dimensions of groundwater and water-bearing aquifer will be shown.

Prepared by:

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Assistant Planning Engineer

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