



File No: SOT-IT/COR-OUT/2023-24/1665

Date: 06/11/2024

NOTICE INVITING QUOTATION

The Department of Information of Technology, North-Eastern Hill University, Shillong, invites sealed quotations from eligible and reputed suppliers/vendors for the supply of equipment and sensors for the project titled "*Landslide Susceptibility Mapping and Monitoring using Machine Learning and IoT: A Case Study of Meghalaya, India*" (File No. EEQ/2023/000124)" under Dr. Khwairakpam Amitab.

Details of Requirement:

Sl. No.	Description	Specification	Qty.
1	Geophone	<ul style="list-style-type: none">HG-5HSr U 5Hz 1850High sensitivityVertical geophone element	6
2	Strain Gauge	<ul style="list-style-type: none">BX120-3AAHigh Precision Resistance Strain Gauge	18
3	Bluetooth Module	<ul style="list-style-type: none">ESP324MB memoryWiFi + Bluetooth + SD card slotCompatible with Raspberry Pi and Arduino	18
4	GSM Module	<ul style="list-style-type: none">ESP32 microcontroller with SimCom A7672S Chipsupporting 4G/LTE, WiFi, Bluetooth and GPS tracker	6
5	Inclinometer	<ul style="list-style-type: none">WT901C-485 mpu9250High-Precision Gyro+Accelerometer+Angle+Magnetometer9-Axis Digital CompassTriple-Axis Tilt Angle Inclinometer for PC/Arduino/Raspberry Pi	6
6	Tilt sensor	<ul style="list-style-type: none">BMA456 sensorHigh-performance angle measurementsAcceleration Range $\pm 2g, \pm 4g, \pm 8g, \pm 16g$	18
7	Raspberry Pi	<ul style="list-style-type: none">Pi 4 Model B8GB RAMStandard 40-pin GPIO Header1.5 GHz Clock Speedsupport maximum 32G Micro SD Card Memory Features	6
8	Solar Panel	<ul style="list-style-type: none">8W Solar PanelWater Resistant & Durable18V 1A Power PV Board Portable Charger for Battery Charging	18
9	Piezometer	<ul style="list-style-type: none">(Pore Pressure) Weighing Load Cell Sensor 20kgHX711 Dual-Channel 24 Bit Precision A/D weight Pressure Sensor	18
10	Raspberry Pi case	<ul style="list-style-type: none">Compatible with Pi 4Precise access to all port and status LEDs	6
11	Rain Gauge	<ul style="list-style-type: none">Rainfall Sensor Module with Tipping Bucket- 12C & UART3.3 to 5.5V DCOperating temperature: -40 to 85C	6

Quotations, complete in all respects, should reach the undersigned on or before **21st November 2024** at the Department of IT, NEHU, Shillong. Quotations should be submitted as a hard copy in a sealed envelope superscribed as '**NIQ File No: SOT-IT/COR-OUT/2023-24/1665 Dated: 06/11/2024.**' Quotations received after the due date will not be entertained.



Terms and Conditions:

1. The quotation should include all charges, including transportation, taxes, and any other applicable fees.
2. The supplier/vendor must attach copies of relevant documents, such as GST registration, PAN card, and any other applicable licenses.
3. The supplier/vendor must also attach a copy of their valid trading license issued by the competent authority of Meghalaya (as applicable).
4. The quotation should be valid for at least the current financial year.
5. The university reserves the right to accept or reject any or all quotations without assigning any reason.

Amitab
6/11/2024

Dr. Khwairakpam Amitab
Assistant Professor
Dept. of Information Technology
NEHU, Shillong-793022