

**Format for Submission of Expression of Interest and details specification of
GPR (Ground Penetrating Radar) based concrete scanner:**

Brief about Expression of Interest.

Name of the Equipment/ Good	<u>GPR (Ground Penetrating Radar) based concrete scanner</u>
Location of the Supply	Veer Surendra Sai University of Technology, Burla, Odisha-768018
Name of Authority	Vice-Chancellor
Eligible firms	The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier.
Date of Submission of EOI	Last date is 24.02.2020
Contact person	Nodal Officer, Procurement, TEQIP-III, VSSUT, Burla
Phone Number of Contact person	9437177717
Email	<u>pcvssutb@gmail.com</u>
Address for submission of EoI	<u>Nodal Officer, Procurement, TEQIP</u> Veer Surendra Sai University of Technology, Burla, Odisha-768018.
Selection Process	Stage1: Expression of Interest (EOI); Stage 2: Quotation proposal submission in TEQIP-III format
<ul style="list-style-type: none">• <u>The EoI will be submitted by Speed Post/Registered Post only</u> <p>1) The sealed envelope containing the EoI should be super scribed with “Expression of Interest (EoI) for supply of <u>GPR (Ground Penetrating Radar) based concrete scanner</u> in Department of Civil Engg.”</p>	

Specifications:-

GPR based concrete scanner shall enable real time and accurate inspection of concrete structures such as floors, walls, slabs, bridge decks for detection of metallic and non-metallic objects namely rebar, post tension cables, metallic, non-metallic conduits, pipes, voids.

Specifications:

The instrument shall be able to measure slab thickness when access is from one side only.

Scanning depth: 10mm-400mm or more

Shall be able to see and distinguish multiple rebar layers in concrete

Shall have four wheel drive survey encoder

Internal memory; 2GB or more

PC Connectivity: USB Port and/or SD card

The instrument shall be water resistant and dust proof

Display: LCD/LED display

The software shall have a capability to generate 3D representation of the structure/element

It shall have target detection system to measure slab thickness or to identify void location, cover depth etc

Battery Life > Time 2 hours

Center frequency: 1600MHz or better

The instrument shall be complete with user manual, CD, charger, cable and necessary software etc for satisfactory performance

System shall have time sweep in the range from 10-19999ns

System shall collect 128-16000 samples per scan or higher

System shall be capable of scanning rate equivalent to 4500 scans/second or higher

Controller shall have interface with data logger with minimum option Ethernet and wifi

The instrument must be compliant with IP65 (Complete protection from against contact, protection from infiltration of dust and protection from water projected from nozzle)

The system shall be complete with softwares to process, view and document 2D and 3D data collected from the site

APPLICANT'S EXPRESSION OF INTEREST

To,
Nodal Officer, Procurement, TEQIP-III
TEQIP Cell
Veer Surendra Sai University of Technology
PO- College of Engineering, Burla
Sambalpur - 768018
Odisha

**Sub: Submission of Expression of Interest for supply of with the given
Technical specification under TEQIP-III.**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on _____ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

Technical specifications

Organizational Details :

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No:
4. PAN No.:
5. Telephone No.
6. Fax Number
7. Mail Id:
8. Name of representative:
9. Representative Mobile Number :
10. Representative E mail Id:
11. Annual Turnover of the firm/company.

Experience in related fields: Attach the purchase orders if supplied to the institutions or organizations of repute. This is a key requirement to consider a firm for inviting quotation.

Additional information (if any):

Declaration: We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to VSSUT, Burla under TEQIP III and we certify that our organization has not been blacklisted during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp.....

Date:

Note: This is to be furnished on the letter head of the organization and signed in every page.