



Dharmsinh Desai University, Nadiad
Faculty of Technology

Civil Engineering Department

Tender No.: CVL-02

Date: 01/03/2024

NOTICE INVITING TENDER

Quotations are invited for purchase of equipment for Surveying Laboratory, Civil Engineering Department - Faculty of Technology so as to reach us on or before 12th March 2024, 5.00pm. Tender documents can be downloaded from the website www.ddu.ac.in

SCHEDULE OF REQUIREMENTS

Sr. No.	Scope	Quantity
1	Supply of Equipment for Surveying Laboratory for Department of Civil Engineering (List of equipment and detailed specifications are mentioned in Annexure-1)	As mentioned in Annexure-1

Details	Information
Last date for receiving completed Tenders by Hard copy with proof documents:	12-03-2024 (Monday), 5.00 pm.
Address for Communication	Head, Civil Engineering Department, Faculty of Technology, Dharmsinh Desai University, Nadiad-387001.
Address for Delivery of Equipment	Civil Engineering Department, Faculty of Technology, Dharmsinh Desai University, Nadiad-387001.



TERMS & CONDITIONS

1. The bidder (vendor) must either be an Original Equipment Manufacturer (OEM) or an authorized dealer of OEM for the items offered in the bid. The certificate of OEM/Authorized Dealership should be enclosed with the bid.
2. The bidder should have prior experience in supply of similar equipment in technical institutes like IITs, NITs, LDCE-Ahmedabad, MSU-Vadodara, PDPU-Gandhinagar, Nirma Institute-Ahmedabad or other Government/Public undertakings/Organizations of National Importance. The bidder must enclose purchase order and satisfactory supply certificate from the respective organization for these types of works.
3. LEICA, SOKKIA, GARMIN, PENTAX, LYNX-LAWRENCE & MAYO Instruments and Controls are in the approved list of supplier with DDU. Their OEM or authorised dealers are eligible to bid for this Tender.
4. The instrument must not be manufactured in China or People's Republic of China.
5. The bidder must submit a self-certified declaration that the bidding firm/manufacturer or the consortium (any partner of consortium) has not been blacklisted from participating in the tendering/bidding process by any Central or any State Government Institute/Organization (including autonomous Institute/Organization) in Last Three Years.
6. The basic rates quoted should be including packing, forwarding, transportation, unloading, installation, demonstration as applicable, F.O.R.- D. D. University, Nadiad only.
7. The rates to be inclusive of all taxes other than GST. Also Bidder shall clearly mention applicable GST rates.
8. The quantity of the items mentioned may vary as per requirements.
9. Delivery period – 6 weeks from the date of receipt of order by the vendor/supplier.
10. 80 % payment against delivery of the equipment with all its components. Remaining 20% against satisfactory installation and demonstration of the goods as per specifications. No advance payment.
11. If the goods supplied failed to comply prescribed specifications, will be taken back by the supplier with no cost implication to DDU.
12. There will be 1 year replacement guarantee against any major manufacturing defects and 3 years of warranty against any defects. However, the vendor should provide minimum 1 routine maintenance services per year by company authorized engineer during the warranty period of 3 years.
13. The vendor will have to provide any of the unlock key or handover computerized passcode at the time of delivery of the Equipment for the future repair, calibration or other purposes
14. Validity: Bids/quotations shall remain valid for 8 weeks from date of the Tender closing date.
15. DDU Nadiad reserves right to award the order to one or more bidder. Choice of award of order may not be based on lowest bid.

Shri H. M. Desai
Vice Chancellor,
Dharmsinh Desai University
Nadiad-387001

Date :01-03-2024



ANNEXURE-1

“SPECIFICATIONS of EQUIPMENTS for SURVEYING LABORATORY”

A. LIST OF ITEMS:

Sr. No.	Particular	Quantity (Nos.)
1	Hand-Held GPS	2
2	Total Station	2
3	Electronic Distance Measurement Instrument	2



B. DETAILED SPECIFICATIONS:

1. Hand-Held GPS

The GPS Receiver should be an Antenna, Receiver and Controller integrated. The Receiver should be High sensitivity GNSS / SBAS Receiver.

Equipment must consist of the following Specifications:

- Internal Antenna: 70 channels or more
- Tracking capability: L1 C/A frequency of GPS, GLONASS
- Integrated Real Time Reception (SBAS)
- External Antenna Connector: Yes
- Position Accuracy on Real Time: Less than 2m (with SBAS)
- Operating System: Android based with version 6.0 or above
- Processor: 1.2 GHz processor with Quad core and Qualcomm Snapdragon or better
- Memory: 2GB SDRAM or better and 8GB Flash memory or better
- Rechargeable battery operated
- Wireless or wired connectivity

Equipment must consist of the following functions:

- Stake Out
- Surface Area Calculation
- Point to point navigation
- Point to line
- Volume Calculation
- Custom maps compatible

Equipment must be supplied with following accessories:

- Screen Protector
- USB Cable
- AC Charger
- Operators Manual
- Carrying case

2. Total Station

Equipment must consist of the following Specifications:

- Reflector less Total Station with Laser pointer
- Least Count: not less than 1"
- Accuracy: not less than 5"



- Measuring capacity in reflectorless mode: not less than 500 mtrs.
- Measuring capacity with single prism: not less than 4 kms.
- Internal memory: not less than 1gb
- Bluetooth for data transfer or data transfer by USB pen drive and data cable

Equipment must consist of the following functions:

- REM Measurement
- 3D Coordinate Measurement
- Resection
- Stake Out
- Topography Observation
- Offset Measurement
- Missing Line Measurement
- Intersection
- Surface Area Calculation
- Point to line
- Volume Calculation

Equipment must be supplied with following accessories:

- Rechargeable battery
- Quick charger and charging cable
- Lens hood, Lens cap, Tool kit
- Operators Manual, Carrying case with Shoulder Strap
- Prism Assembly consisting of prism with target plate and pole with bubble
- Mini Prism set
- Heavy Duty Tripod

3. Electronic Distance Measurement Instrument

Equipment must consist of the following Specifications:

- Range: 150 m in favourable conditions and 80 m in unfavourable conditions
- Distance Accuracy: 1 mm in favourable conditions and 2 mm in unfavourable conditions
- Smallest unit displayed: 0.1 mm
- Angle Accuracy: 2°
- 360° tilt sensor
- Digital point finder
- Bluetooth for data transfer or data transfer by USB pen drive and data cable

Equipment must consist of the following functions:



- Distance measurement
- Minimum/Maximum measurement
- Permanent measurement
- Stake out
- Addition/ Subtraction
- Area
- Room angle / triangle area
- Volume
- Area with partial measurement
- Pythagoras 3 – points
- Indirect height tracking
- Level
- Memory

Equipment must be supplied with following accessories:

- Universal Tripod
- Target plate for long distance
- Powerline charger
- Adapter
- Operators Manual
- Carrying case