

**NOTICE INVITING TENDER ENQUIRY FOR SUPPLY AND
INSTALLATION OF TOTAL STATION AND HANDHELD GPS
RECEIVERS FOR DEPARTMENT OF GEOGRAPHY**

Tender No.2019-20/12

Date of Issue: 27.09.2019

Date of closing: 18.10.2019



Central University of Tamil Nadu

Neelakudi Campus

Thiruvavarur-610 005



तमिलनाडु केन्द्रीय विश्वविद्यालय

(संसद द्वारा पारित अधिनियम 2009 के अंतर्गत स्थापित)

CENTRAL UNIVERSITY OF TAMIL NADU

(Established by an Act of Parliament, 2009)

नीलक्कुडी परिसर/Neelakudi Campus, तिरुवारूर/Thiruvarur- 610 005

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TENDER No.2019-20/12

27.09.2019

NOTICE INVITING OPEN TENDER ENQUIRY FOR SUPPLY AND INSTALLATION OF TOTAL STATION AND HANDHELD GPS RECEIVERS FOR DEPARTMENT OF GEOGRAPHY

Central University of Tamil Nadu, an institution setup by an Act of Parliament, invites sealed Tender for **Supply and Installation of Total Station and Handheld GPS Receivers for Department of Geography** as per the specifications given in **ANNEXURE-I**. The tender documents may be downloaded from www.cutn.ac.in.

The Technical Bid (**ANNEXURE-II**) and the Commercial Bid (**ANNEXURE-III**) shall be sealed by the bidder in separate covers duly superscribed as **Tender for Supply and Installation of Total Station and Handheld GPS Receivers for Department of Geography - Technical Bid** and **Tender for Supply and Installation of Total Station and Handheld GPS Receivers for Department of Geography - Commercial Bid** respectively and both the sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed as **Tender for Supply and Installation of Total Station and Handheld GPS Receivers for Department of Geography – Tender Notice No.2019-20/12**. The bidding may be made for a specific item or for all the items in ANNEXURE-I. **The technical details of the equipment/s along with the filled-in format (ANNEXURE-II) should be kept inside the Technical Bid Envelope and sealed.** The tender must reach **The Registrar, Central University of Tamil Nadu, Neelakudi Campus, Thiruvarur 610 005** by post or by hand on or before **18.10.2019, 15:00 hours. The Technical Bid will be opened on 18.10.2019 at 16.00 Hrs.**

Tenders received after due date/time will not be considered under any circumstances. Canvassing in any form will result in the disqualification of the bidder. Tenders sent by fax/email will not be considered. To avoid any complications with regard to Late Receipt/Non Receipt of Tenders, it may please be noted that responsibility rests with the bidder to ensure that the tenders reach the above mentioned address on or before the due date.

Who can bid?

1. The tenderer should be either an original manufacturer or the authorized dealer having been established in the field for minimum period of **THREE** years as on 01.07.2019. (Enclose supporting documents)
2. The tenderer should have an annual turnover of at least **Rs.30 Lakhs** per year during the last **THREE** financial years viz. 2016-2017, 2017-2018 and 2018-2019 (each year). (Enclose supporting documents, Profit-loss balance sheet etc.)
3. The bidder should have supplied similar equipment to at least **THREE** reputed central government educational/research institutions. Supporting documents such as purchase orders, work completion certificates should be attached with the bid
4. The firm should have registered with GST. (Enclose supporting documents)
5. The bidder should have an authorized service center in Chennai / Pondicherry / any other nearby city/town. (Enclose supporting documents)
6. The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Research (DSIR), Govt. of India, vide their Notification No.10/97 dt.01-03-1997 and 51/96 dt.23-07-1996 respectively, in respect of
 - a. Scientific and technical instruments, apparatus, equipment including computers.

- b. Accessories and spare parts of goods specified in (a) above and consumables.
- c. Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.,
- d. Prototypes

Hence, the bidders should take into consideration about this facility of the University while quoting for the advertised Minor equipment.

Pre-bid Conference: A pre-bid conference will be held as on **04.10.2019 @ 11.00 AM**. All prospective bidders/tenderers are requested to attend the pre-bid conference. In order to facilitate CUTN for proper conduct of the pre-bid conference, all prospective bidders/tenderers are requested to submit their queries with envelope bearing the tender number and date on top and marked "Queries for Pre-Bid Conference" so as to reach CUTN well before the date for Pre-bid Conference or by email to purchase@cutn.ac.in with subject "Queries for pre-bid Conference". CUTN will answer the queries during the pre-bid conference, which would become a part of the proceedings of the conference. All the participating bidders/tenderers shall sign the proceedings. These proceedings will become a part of clarifications/amendments to the bidding documents and would become binding on all the prospective bidders/tenderers. These proceedings will also be published in CUTN website for the benefit of all the prospective bidders/tenderers. Before submitting the bids, all prospective bidders/tenderers are advised to go through the CUTN website after the Pre-bid conference, in order to enable/make cognizance of the changes made in the bidding document

Instructions to Bidders including Terms and Conditions

1. Scope of Bid

Central University of Tamil Nadu (CUTN), Thiruvaur, hereinafter called "**Purchaser**", invites bid for supply, installation and commissioning of Laboratory equipment, including critical spares and warranty for three years after validation and subsequent maintenance for five years after the expiry of warranty for its Geography Laboratory at its campus in Thiruvaur.

2. Cost of Bidding

- 2.1. The Bidder shall bear all costs associated with the preparation and submission of its bid and the Purchaser shall in no case be responsible or liable for those costs regardless of the conduct or outcome of the bidding.

3. Tender Document

- 3.1. The Tender Document is not transferable.
- 3.2. The bidder shall make a copy of the tender document before submitting the same to the Concerned office. No requests will be entertained for making a copy after the submission of the document.
- 3.3. Copy of Tender Document marked "Original" with each page signed and stamped to acknowledge acceptance of the same

4. Amendment of Tender Document

- 4.1. At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by way of amendment(s).
- 4.2. Amendments will be intimated in University Website and shall be binding on them. Further, it will be assumed that the Bidder has taken into account such amendments while submitting the bid.

5. Language of Bid

- 5.1. The bid prepared by the Bidder and all correspondence and documents related to the tender exchanged by the Bidder and the Purchaser shall be in English and the Contract shall be construed and interpreted in accordance with that language.

- 5.2. If any of the brochures, leaflets or communication is prepared in any language other than English, a translation of such document, correspondence or communication shall also be provided at the cost and risk of the bidder. The translation so provided shall prevail in matters of interpretation. The bidder, with respect to such documents, correspondence, and communications, shall bear the costs and risks of such translation.

6. Documents Comprising the Bid

- a. All the Documents as mentioned under the Heading Who can Bid?
- b. Earnest Money Deposit (EMD);
- c. Documents establishing conformity of the Equipment to the Tender Document;
- d. An undertaking to provide comprehensive onsite maintenance during the warranty and AMC periods for the equipment should be given by the bidder.

7. Format and Signing of Bid

- 7.1. The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons authorized. All pages of the bid shall be numbered and except for unamendable printed literature, shall be initialled by the person or persons signing the bid.

8. Bid Prices

- 8.1. Prices must be quoted separately for each equipment/item identified.
- 8.2. Price quoted for equipment must include all costs associated with packing, transportation, insurance, all duties and levies, delivery of equipment, loading and unloading on DOOR DELIVERY basis to the university at Neelakudi Campus, Thiruvavur 610 005 including its installation, commissioning, integration and validation.
- 8.3. Price of Annual Maintenance Contract (AMC) for **FIVE** years after the warranty period shall be quoted separately for each equipment in the format provided in **ANNEXURE-IV**. Purchaser reserves the right to negotiate on AMC.
- 8.4. Prices quoted by the Bidder shall be firm during the validity of the bid.

9. Bid Currency

- 9.1. Prices of equipment/items shall be quoted in Indian Rupees.

10. Conformity of the Tender Document

- 10.1. The Bidder shall furnish, as part of its bid, documents establishing the conformity of the Equipment that the Bidder proposes to supply under the Contract to the requirements of the Purchaser, as given in the Tender Document.
- 10.2. The documentary evidence of conformity of the Equipment to the Tender Document may be in the form of written descriptions supported by literature/diagrams/certifications, including:
 - (a) A detailed description of the essential technical, functional and performance characteristics of the Equipment that the Bidder is proposing to supply;
 - (b) Technical details of the major subsystems/components of the Equipment;

11. Earnest Money Deposit (EMD)

- 11.1. The Bidder shall furnish, as part of its bid, an EMD @ 2% on estimated value **by Demand draft drawn in favour of Central University of Tamil Nadu payable at Thiruvavur.**

EMD Details

Sl. No	Item Description	QTY	Estimated Amount (approximate) (Rs.)	EMD Amount (Rs.)
1	Reflector Less Total Station with Standard Accessories	01	5,50,000	11,000
2	Handheld GPS Receiver	06	4,50,000	9,000
Total			10,00,000	20,000

- 11.2 The firms who are registered with National Small Industries Corporation (NSIC) / or Small Scale Industrial (SSI)/ Micro & Small Enterprises (MSEs) are exempted to furnishing the EMD. Self-attested photocopy of valid registration certificate issued by competent authority for supply of laboratory equipment must be enclosed with the technical bid.

11.3. Any bid not accompanied with the EMD shall be rejected by the Purchaser as non-responsive.

12. Period of Validity of Bids: Bids shall remain valid for a period of 180 days after the date of deadline for submission of bids prescribed by the Purchaser.

13. Deadline for Submission of Bids

13.1. Bids must be received by the Purchaser at the address specified not later than the time and date as stated. In case this date happens to be a declared holiday for the office of the Purchaser or happens to be a holiday declared incidentally, the Bids shall be received up to the appointed time on the next working day.

13.2. The Purchaser may, at its discretion, extend this deadline for submission of bids in which case all rights of the Purchaser and all obligations of the Bidders will thereafter be subject to the deadline as extended.

14. Late Bids: Any bid received by the Purchaser after the bid submission deadline prescribed by the Purchaser, shall be rejected and returned unopened to the Bidder.

15. Clarification of Bids: During the bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered or permitted.

16. Evaluation of Responsive Bids: The Purchaser will evaluate the bids that have been determined to be substantially responsive.

17. Contacting the Purchaser

17.1. From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bid, it shall do so in writing.

17.2. If a Bidder tries to directly influence the Purchaser or otherwise interfere in the bid evaluation process and the Contract award decision, his bid shall be rejected.

18. Award Criteria

18.1. Purchaser will award the Contract to the Bidder whose bid has been determined to be substantially responsive and the Lowest Quote Evaluated Bid.

18.2. The University reserves the right to buy different items/quantity from different bidders considering price of individual/group of equipment or any other factors as decided by the committee.

19. Purchaser's Right to Accept/Reject/Modify Bids

19.1. The Purchaser reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

19.2. The Purchaser reserves the right to negotiate with the Bidder having the Lowest Evaluated Bid.

20. Award of Purchase Order

20.1. Prior to the expiration of the period of bid validity, the Purchaser will issue the Letter of Intent / Purchase Order to the successful Bidder in writing.

20.2. The Purchase Order will constitute the foundation of the Contract.

20.3. Upon the successful Bidder's furnishing of the copy of the Purchase Order duly signed on each page.

21. Contract Agreement

21.1. Within fifteen (15) days of receipt of the Purchase Order, the successful Bidder shall sign and date its copy on each page and return it to the Purchaser, along with the Performance Security.

21.2. Copy of Purchase Order duly signed and dated by the successful Bidder on each page shall constitute the Contract Agreement.

22. Performance Security

22.1. Within fifteen (15) days of receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security equal to 10% of the Contract value (excluding the value of annual maintenance charges). **The Performance Security will be valid all along the**

warranty period and shall extend upto sixty (60) days after the date of completion of warranty period.

22.2. The security shall be in one of the following forms:

- (a) A bank guarantee (in the format as provided in **Annexure-VII** of the bidding documents) issued by the Indian Scheduled bank acceptable to the Purchaser.
- (b) A Demand Draft favoring, **Central University of Tamil Nadu** payable at **Thiruvapur**.

22.3. The security shall automatically become null and void once all the obligations of the Supplier under the Contract have been fulfilled, including, but not limited to, any obligations during the Warranty Period and any extensions to the period. The security shall be returned to the Supplier not later than fifteen (15) days after its expiration.

22.4. Failure of the successful Bidder to comply with the requirements shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which event the Purchaser may make the award to the next lowest evaluated bid submitted by a qualified Bidder or call for new bids.

23. Contract Documents

23.1. All documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

23.2. The order of precedence of the Contract documents will be as follows:

- (i) Contract Agreement
- (ii) All other Forms
- (iii) Equipment and their Requirements
- (iv) Supplier's Bid
- (v) Tender Document

24. Amendment to Contract: No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract and is signed by a duly authorized representative of each party to the Contract.

25. Supplier's Responsibilities

25.1. The Supplier's obligations involve:

- (a) Supply of Equipment/items given in Tender Document.
- (b) Making operational the Equipment (installation, commissioning & validation of Equipment).
- (c) Development of test methods & applications.
- (d) Training, at the cost of Supplier, of personnel in operation, day-to-day maintenance and troubleshooting of the Equipment
- (e) Supply of Material (instruction/operation/service/maintenance manuals including drawings & circuit diagrams and application notes), Calibration Certificates (where applicable, traceable to national/international standards) and any other documents specified in the Contract.
- (f) Maintenance of the equipment during and after the warranty period (Five Years of AMC after the warranty of three years).

25.2. The Supplier shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items, services and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for installation & commissioning, integration & validation of Equipment as if such work and/or items and Materials were expressly mentioned in the Contract.

25.3. The Supplier shall comply with all laws in force in India. The laws will include all national, provincial, municipal or other laws that affect the performance of the Contract and are binding upon the Supplier. The Supplier shall indemnify and hold harmless, the Purchaser from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Supplier.

26. Time for Supply, Installation, Commissioning and Validation of the Equipment

26.1 The Supplier shall supply the Equipment within the period specified in the tender document i.e. **within FOUR weeks of signing the purchase order or within the period mutually agreed between purchaser and supplier.**

26.2 The Supplier shall thereafter proceed with the installation & commissioning, integration and validation and demonstrate operational acceptance of the Equipment within the period specified, unless it is mutually agreed.

27. Terms of Payment

- 27.1. For **indigenous equipment**, 90% payment will be released after satisfactory delivery, installation of the equipment and remaining 10% will be released on submission of a Bank Guarantee for equivalent value (10%) as performance security to cover the warranty period (36 months).
- 27.2. Payment for annual maintenance contract after the warranty period shall be released at the end of six month/1 year after the expiry of warranty period, subject to Government of India norms.
- 27.3. If any time before the delivery of the equipment, it is found that the same equipment have been offered to another party in India at a lower rate, payment shall be restricted to the extent of such lower rate and the Supplier shall be liable to pay the Purchaser the difference in two rates i.e. excess charged over such lower rate, if payment had been made by the purchaser. The University will look into a reasonable past period to ensure this.
- 27.4. The bidder should submit Mandate Form for e-payment through EAT module as per the format given in the bid document at **Annexure – VI**.

28. Taxes and Duties: The Supplier should ensure payment of all taxes, duties, levies and charges assessed by all municipal, state or national government authorities, in connection with the Goods and Services supplied under the Contract.

29. Product Upgrades: The Supplier shall continue to support and maintain the version/model of the Equipment supplied by upgrading the software and the hardware as and when amendments are Carried out in the existing version or the product is upgraded. Whereas upgrades to the software shall be supplied free of cost, the Supplier may charge for upgrade in hardware provided it is of major nature. An upgraded higher version of the instrument and software related with the instrument shall be supplied.

30. Penalties

- 30.1. If the Supplier fails to complete any of the activities in accordance with the time specified for it, or any extension of the time granted by the Purchaser, the Supplier shall pay to the Purchaser penalties at the rate specified in the Tender document.
- 30.2. The Purchaser reserves the right to terminate the contract if the Supplier defaults on any of the time limits by more than **FOUR** weeks.

31. Defect Liability

- 31.1. The Supplier warrants that the Equipment, including all subassemblies and components provided, shall be free from defects in the design, engineering/manufacturing, workmanship and performance that prevent the Equipment and/or any of its subassemblies and components from fulfilling the Equipment Requirements or that limit in a material fashion the operation, reliability, accuracy, sensitivity and precision of the Equipment, its subassemblies and components. Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.
- 31.2. The Warranty Period shall commence from the date of validation of the Equipment and shall extend for the length of time specified in the tender document supra.
- 31.3. If during the Warranty Period any defect found in the Equipment, the Supplier shall promptly, at its sole cost, repair or otherwise make good such defect as well as any damage to the Equipment caused by such defect. Any defective Equipment, Subassembly or component that has been replaced by the Supplier shall become the property of the Supplier and the new substituted/replaced equipment in good condition shall become the property of the purchaser.
- 31.4. Validation of the Equipment shall be carried out by the Supplier each time a major repair is carried out in the Equipment during the warranty period.
- 31.5. Response time for attending to defects shall be 24 - 48 hours after they are reported to the Supplier or its designated service agent. If the Equipment cannot be used for more than TWO working days by reason of such defect and/or making good of such defect, the warranty period for the Equipment shall be extended by a period equal to the period during which the Equipment could not be used by the Purchaser because of such defect and/or making good of such defect.

32. Intellectual Property Rights Warranty and Indemnity

- 32.1. The Supplier hereby represents and warrants that the Equipment as supplied, installed & commissioned along with its Application Software and copying of Manuals & other documents

provided to the Purchaser in accordance with the Contract does not and will not infringe any Intellectual Property Rights held by any third party.

- 32.2. The Supplier shall indemnify and hold harmless the Purchaser from and against any and all losses, liabilities and costs (including losses, liabilities and costs incurred in defending a claim alleging such a liability), that the Purchaser may suffer as a result of any infringement or alleged infringement of any Intellectual Property Rights.

33. Effect of Force Majeure

- 33.1. If the Supplier is prevented, hindered, or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the Purchaser in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fifteen (15) days after the occurrence of such event.
- 33.2. The Supplier, when affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upon its performance of the Contract and to fulfill its obligations under the Contract, but without prejudice to Purchaser's right to terminate the Contract.
- 33.3. No delay or non-performance by the Supplier caused by the occurrence of any event of Force Majeure shall:
- (a) Constitute a default or breach of the Contract;
 - (b) Give rise to any claim for damages or additional cost or expense occasioned by the delay or non-performance.
- 33.4. If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than THIRTY days or an aggregate period of more than sixty (60) days on account of one or more events of Force Majeure, the Purchaser shall have the right to terminate the Contract by giving a notice to the Supplier.

34. Extension of Time Limits for supply & making operational the Equipment

The time limit for supply, installation & commissioning, integration & validation shall be extended if the Supplier is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:

- (a) Any occurrence of Force Majeure;
- (b) Any other matter specifically mentioned in the Contract;

By such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Supplier.

35. **Assignment:** The Supplier shall not, without the prior written consent of the Purchaser, assign to any third party, the Contract or any part thereof.
36. **Governing Law:** The Contract shall be governed by and interpreted in accordance with the laws of India.
37. **Settlement of Disputes :** Any dispute or claim arising out of/relating to this Contractor the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Thiruvapur.
38. The page number should be marked in all pages serially (including all supporting documents enclosed with the tender document) and the declaration for the same shall be submitted by the bidder as **Annexure-IX**.
39. **REASONABILITY OF PRICES:** Please quote best minimum prices applicable for a premier Research Institution, leaving no scope for any further negotiations on prices. The quoting party should give a certificate to the effect that the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to INST to any other customer nor they will do so till the validity of offer or execution of the purchase order, whichever is later. We request you to fill the price reasonability certificate format in the enclosed file (**ANNEXURE "X"**)
40. Central University of Tamil Nadu reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.
41. **Acknowledgement:** It is hereby acknowledged that we have gone through all the conditions mentioned above and we agree to abide by them

TECHNICAL SPECIFICATION**1. Technical Specification requirement for 5 Sec Total Station**

S. No.	Specifications	Specification to be offered
1.	Angle Measurement	
1.1	Accuracy	5 "
1.2	Least Count	0.1 Sec
1.3	Compensator	Dual Axis
1.4	Compensation Range	± 3'
2.	Distance Measurement with Prism	
2.1	Single Prism Range	5000 Meters or better
2.2	Prism Accuracy	±(2+2 ppm x D)mm or better
3.	Distance Measurement without Prism in DR mode (Direct Reflex mode)	
3.2	Range Non-Prism DR Range	600 Meters or better
3.3	Non-Prism DR Range Accuracy @500matleast	±(3+2 ppm x D)mm or better
4.	Data Storage / Communications	
4.1	Internal Memory	4 GB Internal Memory or better
4.2	External Memory	Atleast 8 GB or better in the form of Pen Drive / SD Card
4.3	Interface	Serial,USB,
4.4	Wireless Communication	Integrated Bluetooth
4.5	Focusing	Auto lock
4.6	Track / Guide Light	Track / Guide light should be available.
4.7	Tangential Clamps	Should have Tangential Clamps for both Horizontal and Vertical
4.8	Battery Type	Li – ion Battery / equivalent
4.9	Operating time for measurement of Distance/Angle and autofocus on at every 15sec interval	10Hrs / equivalent
5.	General Specifications	
5.1	Magnification	30X
5.2	Minimum Focusing Distance	1.00m
5.3	Display	Identical Windows Based Touch Screen LCD Back-lit on both side
5.4	Operating System	Windows Embedded 6.5 or better
5.5	Keyboard	Hard Or soft Alphanumeric Keyboard on both side
5.6	Track light / Guide Light	Inbuilt Track light / Guild light should be Available
5.7	Weight without Carry case	Less than 5 kg
5.8		
6	Environmental	
6.1	IP rating dust and Water proof	IP 66 / equivalent
6.2	Operating Temperature	-20° C to + 50° C
6.3	Atmospheric Temperature Correction range	-40° C to + 60° C
7	Field Software for data collection and downloading	
7.1	Field Software	Software capable of basic surveying like Station Setup, Back site- Fore site data collection, Stakeout, Co-ordinate Geometry functions, generating, Area, Volume, Automatic Drawing generation from feature codes, 3-Dimensional view, Traverse Adjustment, Generation of data to export to third party software like CSV, DXF etc in the instrument itself.

Scope of Supply

1. Total station with 5Sec Accuracy – 1 no
2. Aluminum Telescopic Rod – 1 no
3. Prism Tilttable Large – 1 no
4. Heavy Duty Tripod -1 no
5. Battery - 2 nos.
6. Dual Battery Charger – 1 no.
7. Carry Case for Total Station – 1no.

Note: All instrument and Accessories including field operating software should be of Same OEM (original Equipment Manufacturer) Make.

2. Tender Specification for Handheld GNSS Receiver

General Specification – The GNSS Receiver should be an Antenna, Receiver and Controller integrated. The Receiver should be High sensitivity GNSS / SBAS Receiver and have Android platform	
GNSS Signal	
Internal Antenna	70 Channels or more
Tracking capability	L1 C/A frequency of GPS, GLONASS, Galileo, Beidou
Integrated Real Time Reception (SBAS)	GAGAN, QZSS, WAAS, EGNOS, MSAS
External Antenna Connector	Yes
Position Accuracy on Real Time	Less than 2m (with SBAS)
System Configuration	
Operating System	Android based with version 6.0 or above
Processor	1.2GHz processor with Quad core and Qualcomm Snapdragon or equivalent
Memory	2GB SDRAM or better and 8GB Flash memory or better
Camera	Rear Camera with 8 MP or better
Display	5" or better with Gorilla glass damage-resistant
Resolution	1280 x 720px / equivalent
Audio	Built in microphone and speaker with Audio jack
Free Drop	The receiver should withstand a drop of 1m on to a hard surface
Battery	3000mAh or better and atleast 12hrs with GPS on
Communication Ports	Bluetooth v 3.0 WiFi 802.11 b/g/n USB connector
Other Accessories	Screen Protector, USB Cable and AC Charger
Software for Field Data Collection	The field software capable of collecting and updating Point, Line and Polygon. Capable of displaying Background maps like Vector and Raster and google maps. Field data ready for Post Processing Import / Export to Shape file, CSV files etc.

TECHNICAL BID			
1.	Name of the Company/Organisation		
	Complete Postal Address:		
	Full address of the premises		
	Telegraphic address		
	Telex number		
	Telephone number		
	Fax number		
	Name of the proprietor /Partners		
2.	E-mail ID:		
	Name of Contact Person/ representative of firm		
	Designation:	Mobile number:	
Particulars		Remarks of Bidder	Documentary proof Attached at page no.
3.	Years of Establishment		
4.	Location of offices in India		
5.	Type of firm: Propriety/ Private/ Private Ltd/ MNC/ Cooperative /Govt. undertaking		
6.	Firm Registration No.		
7.	PAN Number		
	GST Number		
8.	Experience towards dealing with the supply of similar equipment at least THREE years as on 01-07-2019.		
9.	Annual turnover of at least Rs. 30 Lakhs per year during the last THREE financial years viz. 2016-2017, 2017-2018 and 2018-2019		
	Annual Turnover (2016-2017)		
	Annual Turnover (2017-2018)		
	Annual Turnover (2018-2019)		
10.	Supply of similar equipment to at least three reputed central government educational/research institutions.		
11.	Authorized service center in Chennai / Pondicherry or any other nearby city/town.		
12.	Name & Location of service centres in India		
13.	Whether the OEM makes available any service support in India		
14.	Whether the service set up maintains stock of essential spares in India		
15.	Lead time for supply of essential spares		
16.	Has the firm ever been debarred/ blacklisted by any Govt. Organization/Dept.? If yes details thereof and if No. undertaking to be submitted		
17.	Whether Submitted Price Reasonability Undertaking as per Annexure 10 (Mention YES /No and Page No.)		
<p>Testimonials from three satisfied customers may be attached</p> <ul style="list-style-type: none"> Compliance Statement to specifications of the equipment to be provided by the tenderer as in ANNEXURE-IV. All equipment must operate at 230V/50 Hz single phase and/or equivalent three phase electrical power. Quoted model shall be in accordance to the geographical location. <p style="text-align: right;">Signature _____ Name _____ Designation _____</p> <p>Date: _____ Place: _____</p> <p>Seal of Company : _____</p>			

Commercial Bid
(To be enclosed in separate sealed cover)

PRICE BID
FOR INDIGENOUS SUPPLIES, QUOTES IN INR ONLY

Sr. No.	Description of Item & Specification	HSN Code / SAC Code	Qty in Units	Unit Price ₹	GST @ %	Total Bid Price ₹
1	Reflector Less Total Station with Standard Accessories		1No.			
2	Handheld GPS Receiver		6No.			
Grand Total in Rs. (Inclusive of all Taxes)						

#HSN Code: "Harmonized System of Nomenclature Code No." and SAC Code: "Service Accounting Codes Code No."

1. Delivery Mode: Delivery at CUTN, Thiruvavur Only.
2. Total bid price in the above column should be inclusive of all taxes and levies transport, loading, unloading etc.
3. Delivery Period.....days
4. Validity Date: Minimum 180 days from the date of submission of quotation/tender.
5. Payment Term: Payment within 0 days from the date submission of bill Acceptance Certificate to concerned Dept./Sect./MMD.
6. Maximum educational discount as could be offered should be mentioned.
7. Price quoted for equipment must include all costs associated with packing, transportation, transit insurance, all duties and levies, delivery of equipment, loading and unloading, including its installation, commissioning, integration and validation.
8. Prices quoted in other currencies will be summarily rejected.

PAN No:
GST Registration No. :
Signature:
Name:
Company Name & Address:

Date:
Place:

ANNEXURE-IV

2. The quote should include a warranty of **THREE** years from the date of commissioning/installation. The AMC Charges from 4th years onwards may be quoted in the format below:

Sl. No.	Annual Maintenance Contract (AMC) after the Warranty Period					
	Name of the Equipment	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year

Compliance Statement to specifications of the equipment

1. Compliance Statement Technical Specification requirement for 5 Sec Total Station

S. No.	Specifications	Specification to be offered	SPECIFICATON OF ITEMS TO BE SUPLIED	COMPLIANCE WITH REQUIREMENT (YES/NO)
1.	Angle Measurement			
1.1	Accuracy	5 "		
1.2	Least Count	0.1 Sec		
1.3	Compensator	Dual Axis / equivalent		
1.4	Compensation Range	± 3'		
2.	Distance Measurement with Prism			
2.1	Single Prism Range	5000 Meters or better		
2.2	Prism Accuracy	±(2+2 ppm x D)mm or better		
3.	Distance Measurement without Prism in DR mode (Direct Reflex mode)			
3.2	Range Non-Prism DR Range	600 Meters or better		
3.3	Non-Prism DR Range Accuracy @500matleast	±(3+2 ppm x D)mm or better		
4.	Data Storage / Communications			
4.1	Internal Memory	4 GB Internal Memory or better		
4.2	External Memory	Atleast 8 GB or better in the form of Pen Derive / SD Card		
4.3	Interface	Serial,USB,		
4.4	Wireless Communication	Integrated Bluetooth		
4.5	Focusing	Auto lock		
4.6	Track / Guide Light	Track / Guide light should be available.		
4.7	Tangential Clamps	Should have Tangential Clamps for both Horizontal and Vertical		
4.8	Battery Type	Li – ion Battery / equivalent		
4.9	Operating time for measurement of Distance/Angle and autofocus on at every 15sec interval	10Hrs or equivalent		
5.	General Specifications			
5.1	Magnification	30X		
5.2	Minimum Focusing Distance	1.00m		
5.3	Display	Identical Windows Based Touch Screen LCD Back-lit on both side		
5.4	Operating System	Windows Embedded 6.5 or better		
5.5	Keyboard	Hard Or soft Alphanumeric Keyboard on both side		
5.6	Track light / Guide Light	Inbuilt Track light / Guild light should be Available		
5.7	Weight without Carry case	Less than 5 kg		
5.8				
6	Environmental			
6.1	IP rating dust and Water proof	IP 66 or equivalent		
6.2	Operating Temperature	-20° C to + 50° C		
6.3	Atmospheric Temperature Correction range	-40° C to + 60° C		
7	Field Software for data collection and downloading			

7.1	Field Software	Software capable of basic surveying like Station Setup, Back site- Fore site data collection, Stakeout, Co-ordinate Geometry functions, generating, Area, Volume, Automatic Drawing generation from feature codes, 3-Dimensional view, Traverse Adjustment, Generation of data to export to third party software like CSV, DXF etc in the instrument itself.		
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2. Compliance Statement for Handheld GNSS Receiver

General Specification – The GNSS Receiver should be an Antenna, Receiver and Controller integrated. The Receiver should be High sensitivity GNSS / SBAS Receiver and have Android platform		SPECIFICATON OF ITEMS TO BE SUPPLIED	COMPLIANCE WITH REQUIREMENT (YES/NO)
GNSS Signal			
Internal Antenna	70 Channels or more		
Tracking capability	L1 C/A frequency of GPS, GLONASS, Galileo, Beidou		
Integrated Real Time Reception (SBAS)	GAGAN, QZSS, WAAS, EGNOS, MSAS		
External Antenna Connector	Yes		
Position Accuracy on Real Time	Less than 2m (with SBAS)		
System Configuration			
Operating System	Android based with version 6.0 or above		
Processor	1.2GHz processor with Quad core and Qualcomm Snapdragon or equivalent		
Memory	2GB SDRAM or better and 8GB Flash memory or better		
Camera	Rear Camera with 8 MP or equivalent		
Display	5" or better with Gorilla glass damage-resistant		
Resolution	1280 x 720px		
Audio	Built in microphone and speaker with Audio jack		
Free Drop	The receiver should withstand a drop of 1m on to a hard surface		
Battery	3000mAh or better and atleast 12hrs with GPS on		
Communication Ports	Bluetooth v 3.0 or better WiFi 802.11 b/g/n USB connector		
Other Accessories	Screen Protector, USB Cable and AC Charger		
Software for Field Data Collection	The field software capable of collecting and updating Point, Line and Polygon. Capable of displaying Background maps like Vector and Raster and google maps. Field data ready for Post Processing Import / Export to Shape file, CSV files etc.		

MANDATE FORM FOR PAYMENT THROUGH EAT MODULE IN PFMS
DETAILS OF ACCOUNT HOLDER:

Name of the Vendor/Beneficiary	
Name of the Bank	
Account Number	
IFSC Code	
PAN Number	
GST Number (if applicable)	
Address (Including City, Pin code etc.)	
Mobile No./email id	

I hereby declare that the particulars given above are correct and complete.

DATE:

SIGNATURE WITH SEAL

DETAILS OF PREVIOUS EXPERIENCE AND SUPPLY ORDERS

SI No.	Name of the similar Equipment	Name of the Organisation where supplied	Type of Organisation (Govt./University/ PSU/ Private/Autonomous Body etc.)	Date of receipt of Purchase Order	Quantity	Value of Order

Enclose Relevant/Supporting Documents such as Purchase Order, Work completion certificate etc.

DATE:

SIGNATURE WITH SEAL

FORM OF PERFORMANCE SECURITY (GUARANTEE) BY BANK

1. This deed of Guarantee made this day of _____ between Bank of _____ (hereinafter called the "Bank") of the one part, and Central University of Tamil Nadu, Thiruvavur (hereinafter called "the Purchaser") of the other part.
2. Whereas the Purchaser has awarded the contract for Supply, Installation, Commissioning, Integration and Validation of _____ (name of the equipment) (hereinafter called the contract) to _____ (hereinafter called the Supplier); (Name of the Supplier)
3. AND WHEREAS the Supplier is bound by the said Contract to submit to the Purchaser a Performance Security for a total amount of Rs. _____ (Amount in figures and words).
4. Now, I/we the undersigned, being fully authorized to sign and to incur obligations for and on behalf of and in the name of _____ (Full name of Bank), hereby declare that the said Bank will guarantee the Purchaser the full amount of Rs. _____ (Amount in figures and words) as stated above.
5. After the Supplier has signed the aforementioned Contract with the Purchaser, the Bank is engaged to pay the Purchaser, any amount up to and inclusive of the aforementioned full amount upon written order from the Purchaser to indemnify the Purchaser for any liability of damage resulting from any defects or shortcomings of the Supplier under the Contract mentioned above, whether these defects or shortcomings are actual or estimated. The Bank will deliver the money required by the Purchaser immediately on demand without delay without reference to the Supplier and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings of the Supplier. The Bank shall pay to the Purchaser any money so demanded notwithstanding any dispute/disputes raised by the Supplier in any suit or proceedings pending before any Court relating thereto and the liability under this guarantee shall be absolute and unequivocal.
6. This Guarantee is valid for a period of thirty six months from the date of signing. (Initial period for which this Guarantee will be valid must be for at least thirty (30) days longer than the anticipated expiry date of warranty period).
7. At any time during the period in which this Guarantee is still valid, if the Purchaser agrees to grant a time extension to the Supplier or if the Supplier fails to complete the work within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages as stated under Para 5 above, the Bank shall extend this Guarantee under the same conditions for the required time on demand by the Purchaser and at the cost of the Supplier.
8. The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank or of the Supplier.
9. The neglect or forbearance of the Purchaser in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Purchaser for the payment hereof shall in no way relieve the bank of its liability under this deed.
10. The expressions "the Purchaser", "the Bank" and "the Supplier" hereinbefore used shall include their respective successors and assigns.

In witness whereof I/We of the bank have signed and sealed this guarantee on the _____ day of _____ (Month & Year) being herewith duly authorized.
 For and on behalf of the _____ Bank.

Signature of Authority

Bank official Name: Designation:
 Stamp/Seal of the Bank:

Signed, sealed and delivered for and on behalf of the Bank by the above named _____ in the presence of:

<p><u>Witness 1</u> Signature</p>	<p><u>Witness 2</u> Signature</p>
<p>Name</p>	<p>Name</p>
<p>Address</p>	<p>Address</p>

Declaration

We hereby undertake that there are _____ pages, serially numbered, in the submitted tender including the supporting documents. (Please number all the pages including blank page, if any).

We have submitted our principal's exclusive authorization letter which is specific for this tender No. _____ dated _____.

Signature and seal of the bidder

PRICE REASONABILITY CERTIFICATE

This is to certify that we have offered the maximum possible discount to you in our Quotation No. _____ dated _____ for (Value Rs.) _____. We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to CUTN to any other customer nor we will do so till the validity of offer or execution of purchase order, whichever is later.

Signature and seal of the bidder