



**TENDER NOTICE FOR SUPPLY AND INSTALLATION OF
TABLE TOP X-RAY DIFFRACTOMETER
(THROUGH E-PROCUREMENT MODE)**

Online bids are hereby invited for and on behalf of Central University of Karnataka, for supply, delivery and installation of **Table Top X-ray Diffractometer** to Central University of Karnataka (as per Annexure-1) as briefly described hereunder:

1.	Name of the Equipment	Supply, delivery and installation of Table Top X-ray Diffractometer (as per Annexure-1).
2.	Bid submission mode	Online through e-procurement mode on Central Public Procurement Portal. <u>Two packet system:</u> Packet 1 -Techno-Commercial Bid and Packet 2 –Financial Bid.
3.	Earnest Money Deposit Rs. 1,05,000/-	A/c payee Demand Draft or bankers cheque payable at Canara Bank Kadaganchi in favor of “ Central University of Karnataka, Karnataka ”. The DD should be sent to “The Registrar, Central University of Karnataka, Kadaganchi -585367, Kalaburagi District” in sealed envelope by superscribing as “ EMD for supply of Table Top X-ray Diffractometer ”. The EMD payment should reach the university before the date and time of opening bid. OR Online payment Account Number: 5109101000001 Bank: Canara Bank IFSC: CNRB0005109 Bank Address: Canara Bank, Central University of Karnataka, Kadaganchi – 585367, The online EMD payment should reach the university before the date and time of opening bid is to be sent to Registrar as above.
4.	Date and time of availability of Tender document in the portal.	From 14.00 Hrs. of 09.05.2019 to 15.00 Hrs. of 29.05.2019
5.	Last date and time for submission of bids through portal.	15.00 Hrs. of 29.05.2019
6.	Date and time of opening technical bids.	16.30 Hrs. of 31.05.2019

A. Instructions to Bidders

1. Bids are to be submitted online through e-Procurement portal of the Central Public Procurement Portal (CPP portal).
2. Bids submitted offline will not be considered.
3. Bidders are instructed to read and understand the eligibility criteria as well as terms and conditions.
4. The EMD as account payee DD or payment online transfer payable at Canara Bank Kadaganchi in favor of “**Central University of Karnataka**”, **Kalaburagi**. The DD should be sent to “The Registrar, Central University of Karnataka, Kadaganchi -585367, Kalaburagi District” in sealed envelope by super scribing as “EMD for **Table Top X-ray Diffractometer**”. The EMD shall reach on or before the date and time of bid opening.

OR through Online payment

Account Number: 5109101000001 Bank: Canara Bank

IFSC: CNRB0005109

Bank Address:

Canara Bank,

Central University of Karnataka,

Kadaganchi – 585367, Kalaburagi district, Karnataka, INDIA

5. EMD of the unsuccessful bidders will be returned/refunded after opening the financial bid and EMD of the successful bidder will be refunded after successful installation and testing.
6. To avail the concessions available to Micro and Small enterprises, such bidders are required to upload, the registration certificate issued by NSIC. Any other certificates will not be considered. The tendered item must be specified in the NSIC certificate.
7. Bidders are advised to submit the tender strictly based on the terms and conditions and specifications contained in the Tender Document. Conditional bids will be summarily rejected.

B. Eligibility of the bidders

1. The bidder shall be registered firm.
2. Bids can be submitted by original equipment manufacturers or representatives of original equipment manufacturers or authorized dealers of **Table Top X-ray Diffractometer** as specified in Annexure I.
3. The bidder shall not be black listed by any Govt./Semi Govt./Private Institution.
4. The bidder shall be free from the encumbrance and there shall not be any vigilance case/ CBI case/ Court Case pending against the bidder.
5. The firm should be registered with the Income Tax, GST and other required statutory registrations.
6. The firm should have an experience of at least 3 years in supply of **Table Top X-ray Diffractometer** or similar equipment.
7. Average annual turnover during the past three years (i.e., 2015-16 to 2017-18) should be at least

Rs. 1,20,00,000/-.

8. The bidder should enclose audited financial statements for the three financial years from 2015-16 to 2017-18 and income tax returns for three Assessment Years from 2015-16 to 2017-18.
9. List of clients served highlighting Government organizations along with contact numbers and work order copies to be furnished.
10. The bidder should submit the Purchase Order and Installation Report of supplying at least one **Table Top X-ray Diffractometer** or similar equipment to any of the Government organization during the last two years (2016-17 and 2017-18).

C. Each Bidder shall upload scanned copies of the following original / self-attested documents

Packet I:

1. Duly filled in Annexures I, Annexure II and Firm registration certificate.
2. GST registration certificate, PAN Card and NSIC certificate if applicable.
3. Certificate of OEM / Representative of OEM / Authorized Dealer
4. Audited Profit and Loss for last 3 financial years from 2015-16 to 2017-18.
5. ITRs for the last three years (from the Assessment Year 2016-17 to 2018-19)
6. Work orders/purchase orders from reputed organizations to meet the eligibility requirements.
7. Brochure/leaflet of the **Table Top X-ray Diffractometer**.

Packet II: Annexure III/BoQ – Financial Bid

D. Terms and conditions

- a. Bids can be submitted directly from Original Equipment Manufacturer (OEM) or Representatives of OEM or authorized dealer of the item put for tender.
- b. The bidder should provide PAN and GSTIN etc.
- c. Incomplete bids will be summarily rejected.
- d. Technical literature/brochures/operational Manual of the quoted model explaining all specifications should be uploaded. All the documents should be in English.
- e. The supplier must ensure that all the specifications being offered in the quotation will be met by the equipment supplied. **The supplier must submit a table indicating the compliance of the features of the quoted model with those given in Annexure - I.** If any feature is not matching, it should be justified.
- f. Minimum of **three-year warranty** is required on the main equipment and accessories from the date of installation.
- g. Spare parts if any should be supplied with the instrument.
- h. Utility and installation requirements (Electrical power etc.) should be clearly mentioned in quotation.
- i. Price quoted should be inclusive of all taxes, handing, transportation up to CUK Campus, Kadaganchi, Kalaburagi District, installation charges, and training charges, if any.

- j. Documentary evidences of system performance should be provided along with the submitted technical bid.
- k. The supplier should provide a list of users from Government institutions in India as well as from abroad. Confirmation of the claim should be supported by at least three users of specified model.
- l. Quotation validity should be at least for 120 days.
- m. Time required for delivery after issue of the purchase order or LC whichever is later order, should be provided.
- n. EMD of the unsuccessful bidders will be refunded after opening the financial bid.
- o. The supplier shall provide security deposit of 10 % of the total value of the contract either in DD or Bank guaranty or Bankers cheque for the warranty period.
- p. The University reserves the right to postpone and/or extend the date of receipt or to withdraw the tender notice or not to place the order or to place order for part or full quantities without assigning any reason thereof at any stage of the tender. In such an event, bidders shall not be entitled to any compensation, in any form whatsoever.
- q. Canvassing in connection with the tender is strictly prohibited and the bids submitted by such bidders indulging in such practices are liable to be rejected. CUK reserves the right to debar the firm for minimum one year as per the Company policy.
- r. Any legal action taken or proceeding initiated on any of the terms of the agreement shall be only in Kalaburagi jurisdiction.

E. Payment terms

- a. For domestic companies, payment will be made online after successful installation of item via cheque or online transfer within 30 days.
- b. For foreign companies, payment will be made through one of the following options:
 - i. Irrevocable letter of credit (L/C) for 90 days. Name and address of company on whose L/C will be opened should be clearly mentioned.
 - ii. Electronic transfer after 30 days from the date of installation of the equipment.

Registrar

Central University of Karnataka

Annexure I – Technical Specifications

Technical Specifications for X-ray Diffractometer System

The technical offer should clearly include make and model number of the offered equipment.

Technical Specifications:

Description	Compliance
<p>Specifications for Bench-top X-ray Diffractometer System</p> <ol style="list-style-type: none"> 1. Compact Benchtop X-ray Diffractometer System for phase identification and phase quantification and structure determination. 2. X-ray Generator <ol style="list-style-type: none"> 2.1 Continuous rated output of 500W or better. 2.2 Voltage in range of: 20- 40 kV with increment of 1kV or better 2.3 Current in range of: 2 – 15mA with increment of 1mA or better 2.4 HT Stability better than +/-0.05% for Mains stability +/- 10 %. 2.5 X-ray tube power: 1 KW with Cu/Co target normal focus with ceramic insulation 2.6 Tube cooling water/air internal. Cooling with or without Chiller 3. Gonimeter <ol style="list-style-type: none"> 3.1 High Precision goniometer, with adjustable vertical position 3.2 Goniometer with theta -2 theta Geometry 3.3 Range: -5° to 100° 2Theta or better 3.4 Minimum scanning step- 0.02 or better 3.5 Necessary diffraction beam slits and soller slits be provided for Narrow beam. 3.6 Suitable Ni K-beta filter provided. 3.7 Achievable resolution < 0.02° 2theta with NIST SRM LaB6. 3.8 Linearity <0.02° 2theta with NIST SRM Si/Quartz/Al₂O₃ or better 3.9 Phi Scan for pole figure analysis (Optional) 4. Sample stage Default Sample in stable or rotating configuration (stage with spinning capability-optional). 5. Sample Holders Minimum 3 holders with automatic sample changing option preferably with zero background 6. Detector High speed Solid State 1D Detector based on Si technology (Or equivalent) or better. Detector preferably without cooling 7. Software & Database Software packages with self-diagnosis, and provide best algorithms for solving analytical tasks. Easy simulation and automatic refinement / smoothening of measured data, peak search, integrated intensity, Kα 1 and Kα 2 separation. Software for pole figure analysis. 8. Computer – Computer with appropriate configuration and operating system be provided 9. UPS and Chiller – An appropriate UPS and chiller (if needed) for above XRD system shall be quoted. 10. Power supply – Single Phase, 200 to 230 V, 50/60 Hz or compatible. 11. Warranty: 3 years' warranty with supply of spares and consumables 12. High temperature stage (Optional)- Kindly quote separately High temperature stage with heating till 150 °C or better. 	<p>Specify whether the equipment mentioned is in COMPLIANCE with the Technical specification given for each items (from S.No. 1 to 11). If any feature is not matching, it should be mentioned and explained.</p>

Installation and Warranty:

Onsite installation and training should be provided by the supplier. Minimum of three-year warranty on the equipment and spares from the date of installation is required.

Date: _____

Name:

Place: _____

Designation:

Seal:

Annexure II Tender Application and Declaration Form

1. Name of the Firm:
2. Full Postal Address:
3. Mobile No.
4. Telephone No.
5. Email Id:
6. Date of Establishment of Firm.....
7. Registration No. of Firm:
8. Participating as OEM / Representative of OEM / Authorized Dealer.....
9. Give details of any Government contracts executed during the last twelve months (attach separate sheet, if necessary):

10. Details of the EMD paid

Particulars	Amount	DD/UTR No	Date	Name of the Bank
EMD	1,05,000/-			

UNDERTAKING

- a) I the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with all the terms and conditions mentioned in the tender document.
- b) The price quoted by me are valid and binding upon me for the entire period of contract.
- c) I hereby undertake to supply the items as per specifications given in the tender document/supply order within stipulated period, if I qualify in the tendering process.
- d) I give the rights to the Central University of Karnataka to forfeit the earnest money paid by me if any delay occurs on my part or if I fail to comply with the terms and conditions mentioned in the tender document.
- e) There is no vigilance/CBI case or court case pending against my firm **nor** is my firm blacklisted by any agency/department.

Date: _____

Name: _____

Place: _____ Designation: _____

Seal:

Note to bidder: To be submitted by the bidder in the letter head and to be signed by the authorized signatory with name and designation. Affix the seal of the firm.

Annexure III(To be filled in BoQ also) – Financial Bid

Sl. No.	Description	Currency _____
1	Price of the Table top X-ray diffractometer as specified in Annexure I	
2	GST applicable (specify)	
3	Total Transit cost (Up to the CUK premises)	
4	Price inclusive of taxes and transportation.	
Price inclusive of taxes in words:		

Time required to supply and install the equipment from the date of issue of purchase order or LC whichever is later: _____ days

Note: 1. The University is having valid DSIR Certificate.

- Prices quoted in foreign currency will be converted into Indian Rupees at the exchange rate prevailing on the date of opening the price bid to prepare the comparative statement and to determine the lowest quoted bid (L1).

Date:

Name: _____

Place:

Designation: _____

Seal:

Note to bidder: To be submitted by the bidder in the letter head and to be signed by the authorized signatory with name and designation. Affix the seal of the firm.