

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY

Sector 25, PANJAB UNIVERSITY, CHANDIGARH
(PHONE Nos. 0172-2541242, 2534995, 2534996, 2534997)



TENDER NO. : UIET/PU/Equipment/2013/26

LAST DATE FOR RECEIPT : 02-08-2013 by 11.00 AM

DATE & TIME OF OPENING : 02-08-2013 by 12.00 Noon

PRICE RS 500/-

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY
Sector 25, PANJAB UNIVERSITY, CHANDIGARH

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TENDER DOCUMENT FOR PURCHASE OF EQUIPMENT

TENDER NOTICE NO. : UIET/PU/Equipment/2013/26

DUE DATE : **02-08-2013 by 11.00 AM**

DATE AND TIME OF OPENING: **02-08-2013 by 12.00 Noon**

NAME AND ADDRESS OF : _____

TENDERER _____

TELEPHONE NUMBER, FAX : _____

AND E-MAIL ADDRESS OF _____

THE TENDERER

TENDER PURCHASE DETAILS :

(i) In cash Rs. 500/- (Amount deposited in State Bank of India, Panjab University, Chandigarh Current Account No. 10444979507 Vide Scroll No. _____ Dated _____)

(ii) If the Tender Downloaded from internet

Rs. 500/- by Demand Draft in favour of "Director UIET" payable at Chandigarh

Demand Draft No. _____ Dated : _____

(iii) Rs. 600/- by Demand Draft No. _____ Dated _____
Name of Bank: _____ Amount: _____ (if required by post)

EARNEST MONEY DETAILS:

(i) a) Rs. 15,000/- for Journal Bearing Test Rig

b) Rs. 5,000/- for Rotational Viscometer

In cash for (a) Journal Bearing Test Rig (b) Rotational Viscometer

(deposited vide University Receipt No. _____ Dated _____)

(ii) By Demand Draft No. _____ Dated _____

Name of Bank: _____ Amount: _____

(iii) By TDR/CDR No. _____ Dated _____ Amount _____

INDEX

1. Invitation for Bids, General Rules, Terms & conditions for Tender	5-7
2. Procedure for submission of Bids	8
3. Technical Specification of Equipment	
a) Journal Bearing Test Rig	9
b) Rotational Viscometer	11

SECTION – I

Invitation for Bids, General Rules and Terms & Conditions for Tender

1. This invitation to tender is for the supply of different type of equipments for use by the students in various laboratories in UIET, Panjab University. The tender is liable to be rejected because of any misrepresentation by the firm.
2. The requirements of the Institute in terms of category of Software/equipment, detailed specifications and quantity are given in the enclosed list. Any change in the terms which are beneficial to the University can be carried out before the opening of the commercial bids.
3. The tender documents (non-transferable) should be purchased from the institute by depositing the amount in cash with the **State bank of India, Panjab University, Chandigarh, in C/A No.10444979507** and a receipt obtained for the same. In case, the tender document is obtained by post by sending a demand draft, favouring **the Director, UIET**, mentioning therein the DD Number and date in the space provided on the previous page. Tenders will be rejected in case the tender document has not been purchased from the Institute and in case of downloading from Internet, if draft of Rs.500/-is not attached.
4. Tenderers are advised to study all pre-qualification, technical and commercial aspects carefully of the tender document. Submission of Tender shall be deemed to have been done after careful study and examination of the Tender Document with understanding of its implications.
5. Sealed offers prepared in accordance with the procedure enumerated in Clause 1 of Section II, giving full detailed specifications of the equipment, should be submitted to The Director, UIET, Panjab University, not later than the date and time laid down, at his address given in the schedule for invitation to Tender.
6. The categories of items and quantity indicated in the Tender Document are tentative. Director, UIET, reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the institute without assigning any reasons. Other departments of the University can also place orders for the supply of the equipment/material/software mentioned in this tender document on the rates once finalized. Repeat orders on the rates finalized can also be placed with the successful /approved firms.
7. The tenderer should indicate specifically the Basic Price, Custom duty/Excise duty, other duties (if any), and levies chargeable quantitatively against each item. No additional information will be entertained after due date. Director,

- UIET, may reject tenders if they do not carry such information separately and specifically quantitatively.
8. The bids should indicate clearly that the rates are F.O.R. UIET, P.U., Chandigarh.
 9. **The tender should be submitted in Three cover system i.e. a, b and c. There should be proper indication of the contents on each envelope as indicated in clause 1.1 of section II.**
 10. In case the Earnest Money is paid by Demand Draft/TDR, the draft/TDR must be in a separate sealed envelope indicating the amount, tender Notice Number and due date and enclosed with the bid.
 11. The tenderer should clearly indicate the delivery period and validity period of tender, which in **no case should be less than 60 days.**
 12. The tenderer should clearly indicate the availability of service and maintenance facilities at Chandigarh for the items quoted.
 13. The above mentioned details particularly the VAT, Sales Tax, custom duty/excise duty, any other duty/tax, if not quoted properly, the bid can be cancelled.
 14. **The tenderers are required to quote for each item separately in terms of basic price and all other charges.** Prices can be quoted in Indian as well as in Foreign Currency.
 15. The Tender should be submitted alongwith Earnest Money as mentioned above in the shape of Draft/Term Deposit/Call Deposit Receipt **valid for a minimum period of 3 months** in favour of **Director, UIET, PU, Chandigarh.** In all cases the interest of the UIET should be safeguarded, if in any case at a later stage the EMD is required to be forfeited because of non-supply/non-providing of demonstration and for any other fault of the firm. **Tenders not accompanied by Earnest Money or incomplete in any respect will be rejected outright.**
 16. The Tenderer must indicate the list of prominent institutions /organizations particularly in and around Chandigarh, where the same equipment has been supplied during the last three years.
 17. The Tender must be submitted along with the copies of :
 - Manufacturers license or authority from the manufacturer
 - Latest Income Tax Clearance Certificate
 - Sales Tax Registration Certificate
 18. **The Director, UIET, Panjab University, Chandigarh reserves the right to reject any or all tenders without assigning any reason whatsoever.**
 19. The tenders will be opened on the date and time indicated in the presence of tenderers if any present on the occasion. If the date of opening is declared to

be a holiday the tenders will be opened on the next working day. **The University will not be responsible for any delay in the submission of the tender document by the postal authorities/courier companies, which is received after the last date/time.**

20. **No advance payment or payment against Performa invoice will be made. 90% payment will be made after receipt, inspection, installation/testing on certification by the concerned teacher/Lab Incharge. Balance 10% payment will be released after satisfactory performance. The firm can be asked to give the demonstration of the equipment even before the order is placed with it.**
21. In case, the item(s) is/are to be imported for supply, irrevocable letter of credit will be opened with the Bank/SWIFT payment will be made. The Institute's Banker is State Bank of India, Panjab University, Chandigarh. **In case the AWB is supplied late by the firm, the demurrage levied, if any by the Airport authorities will be borne by the firm.**
22. All damaged or unapproved goods shall be returned at the Tenderer risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.
23. Printed conditions of the firm sent alongwith the quotation, if any, shall not be binding on us.
24. Packing list must be put in all packages.
25. All charges e.g. packing, freight, insurance etc., if payable, in terms of Tendered quotation and accepted by us should be supported by voucher/money receipts etc.
26. On acceptance of tender, the date of delivery should be strictly adhered to otherwise the Director, UIET reserves the right not to accept the delivery in full or in part and to claim **liquidated damages @1% per month** of the value of the order unless extension has been granted by the Director, UIET, PU, Chandigarh specifically. In case the order is not executed within the stipulated period, the Institute will be at liberty to make purchases through other sources at the risk and cost of the defaulting firm, and forfeiture of the earnest money of the Tenderer besides claiming damages.
27. No claim on account of payment of octroi etc. within the limits of the Municipal Corporation, Chandigarh shall be accepted.
28. Payment of bill will be made through/by crossed account payee Cheque drawn on the State Bank of India, Panjab University, Chandigarh, on receipt of the articles in good condition. The decision to purchase of each item is taken independent of other items quoted by the firm. It is not binding on the institute to purchase all the items quoted by any particular firm.

SECTION – II

Procedure for submission of Bids

1. There will be three Cover System for this tender
 - a. Pre-qualification documents (in duplicate) in one cover.
 - Pre qualification will required
 - Sale Tax No.
 - I.T. clearance
 - Authorization from OEM if applicable
 - EMD draft/Call deposit receipt.
 - b. Technical Bid (in duplicate) in one cover.
 - c. Commercial bid (in duplicate) in one cover.
2. Each copy of the Pre-qualification document should be covered in a separate sealed cover super scribing the word: 'Pre-qualification document': Each copy should be marked as "Original Copy" and 'First copy'. Both should be put in a single sealed cover super scribing the wordings 'Pre-qualification document'.
3. Each copy of Technical Bid of the Tender should be covered in a separate sealed cover super scribing the wordings "Technical Bid". Each copy should be marked as "Original Copy" and "First Copy". Both should be put in a single sealed cover super scribing the wordings "Technical Bid".
4. Each copy of Commercial Bid of the Tender should be covered in a separate sealed cover super scribing the wordings "Commercial Bid". Each copy should be marked as "Original Copy" and "First Copy". Both should be put in a single sealed cover super scribing the wordings "Commercial Bid". Commercial Bid should only indicate prices (Preferably item-wise).
5. All the three documents viz. Pre-qualification, Technical Bid Cover and Commercial Bid Cover prepared as above are to be kept in a single sealed cover super scribed with Tender Number, Due date and the wordings **"DO NOT OPEN BEFORE 12.00 Noon on 02.08.2013"**.
6. The cover thus prepared should also indicate clearly the name and address of the tenderer to enable the Bid to be returned unopened in case it is declared "late".
7. Each copy of the tender should be a complete document and should be bound as a volume. Different copies must be bound separately.
8. The bids prepared by the Tenderer and all correspondence and documents relating to the bids, shall be written in English language and any printed literature furnished by the Tenderer written in another language must be accompanied by English translation, failing which, tender is liable to be rejected.

Technical Specification for Journal Bearing Test Rig

(to measure the temperature and pressure of circulating oil film in non-circular journal bearing)

1. Pneumatic/Hydraulic loading: 0.5 kN to 5 kN.
2. Variable Rotational speed maximum of 9000 rpm.
3. Digital display of the load and speed on the panel.
4. Shaft Diameter : 100 mm
5. Oil film temperature : Ambient to 100° C
6. Accuracy of the machine should be $\pm 05\%$.
7. Test Rig should be equipped with oil Re-circulation system.
8. The machine should be equipped with Digital oil flow meter to measure the oil in circulation.
9. Oil flow meter : 0.2 to 2 L/mins
10. It should be capable of measuring oil film temperature in three circumferential planes (at least at 22 locations) of the bearing using RTD sensors.
11. The mechanism for changing the test bearing should be simple and easy to operate.
12. Software to measure online oil film temperatures during operation should have following features
 - Measurements with manually defined parameters or by defining a 'Standard Operating Procedure'
 - Compatible with latest Windows based operating system.
 - Trend plots to allow plotting any one measured parameter from selected records versus the second parameter.
 - Facility for overlaying several plots with facility to export plots.
 - Results should be exported to word processing packages or spreadsheets using a template or cut and paste.
 - Access to all measured data including correlation functions, fitted data points, residuals and all experimental parameters should be possible. The same might be stored for subsequent examination.
13. For data acquisition, the system should be offered with latest version of branded windows operating system based PC compatible with above software along with laser printer and UPS.

14. The Test Rig should be provided with at least two different samples of non-circular journal bearing and the demonstration on the same should be given at the time of installation. The drawing for the same will be provided by the institute.
15. Installation/Demonstration/Training to be provided by the supplier at the institute free of cost.
16. Warranty period of the test rig should be at least two years.
17. The test rig should be supplied within one month after placing the purchase orders.

Additional features

- It may be capable of measuring oil film Pressure in the central plane of the bearing using any type of pressure measurement sensors at the same central location where oil film temperature has been measured.

Other Conditions

- Standard reference material should also be provided for calibration of equipment.
- The price should include installation, commissioning and two years warranty and all freight handling airport, insurance, CFR value (airport) etc, clearing from airport and transportation to University Institute of Engineering and Technology, Panjab University, Chandigarh.
- Rates should be inclusive of all taxes and duties and F.O.R., University Institute of Engineering and Technology, Panjab University, Chandigarh.

Technical Specification for Rotational Viscometer

1. Viscosity Range : 20 - 20,00,000 cP
2. Temp. range: 0⁰C to 200⁰C
3. It should be provided with environmental control chamber.
4. Viscosity measurements should be at different speeds of spindle.
5. Installation/Demonstration/Training to be provided by the supplier at the institute free of cost.
6. Quality of services and maintenance of the instrument should be of high order in terms of time, efficiency and cost.
7. Warranty period of the viscometer should be at least one year.
8. The Viscometer should be supplied within one month after placing the purchase orders.

Other Conditions

- Standard reference material should also be provided for calibration of equipment.
- The price should include installation, commissioning and two years warranty and all freight handling airport, insurance, CFR value (airport) etc, clearing from airport and transportation to University Institute of Engineering and Technology, Panjab University, Chandigarh.
- Rates should be inclusive of all taxes and duties and F.O.R., University Institute of Engineering and Technology, Panjab University, Chandigarh.