



NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

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BID REFERENCE: NITD/MME/DST-YS/BKS/2015/1

Date: 12-10-2015

To

SUB : Fresh bidders are requested to submit quotation for item as specified in annexure-II.

1. The bidders are invited in **two separate sealed covers (Technical and Commercial offers)** to submit the most competitive quotation for the listed item of instruments/equipment as per **Annexure-II**. Price bid form as per Annexure-I must be filled with complete numerical values. Please note that the main item will include accessories. **No separate quotations are required for accessories.**
2. **Bid Price (Annexure-I)**
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
 - b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. NIT Durgapur**.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
3. **The bid submitted by the bidder must comprise the following:**
 - (a) Detailed technical specifications, conforming to the given specifications (vide Annexure – II), and literature /drawings /manuals of the goods/services to be supplied
 - (b) Authorized dealership certificate from the original manufacturer
 - (c) Credentials and list of organizations where the bidder supplied similar items
 - (d) Warranty period (12 months comprehensive on-site)
 - (e) Valid sales-tax / VAT clearance certificate
 - (f) Price bid as per Annexure-I
4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.
5. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e.

 - (a) which are properly signed and
 - (b) conform to the terms and conditions, and specifications.
6. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive, technologically acceptable and who has offered the lowest evaluated quotation price. It is to be noted that **the price bids will be opened only for technologically acceptable bidders.**

- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
8. Delivery shall be made at **Department of Metallurgical and Materials Engineering at NIT, Durgapur.**
9. Payment shall be made within 30 days after satisfactory installation, commissioning and acceptance of the good.
10. Comprehensive onsite warranty shall be applicable to the supplied goods for a period of **12 months** from the date of installation.
11. The Institute is **exempted from payment of custom and excise duty** on items mentioned below:
 - a) Scientific and technical instruments, apparatus, equipment (including computers)
 - b) Accessories, spare parts and consumables thereof
 - c) Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
12. The successful bidder must submit before the release of payment a valid bank guarantee on any nationalized bank of 10% of the order value towards **Performance Security** during the warranty period. Else, 90% of the payment will be released retaining 10% of the order value towards Performance Security during the warranty period.
13. **Liquidated Damage** will be applicable at the rate of 0.5% per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %.
14. A bank draft or bank guarantee worth 2% of the quoted value payable to “**PROJECT-BKS-DST-1**” at Canara Bank, REC Durgapur Branch, will be enclosed with the bid by the bidder towards the Earnest Money Deposit (EMD). The EMD shall remain valid for a period of 105 days.
15. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
16. You are requested to provide your offer latest by 11.00 hours on **November 19, 2015**
17. The purchaser will open the bids at 11.30 hours on **November 19, 2015** in the Metallurgical and Materials Engg. Department
18. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
19. The items must be delivered within **60 days** from the date of placement of purchase order at the respective department.
20. Comprehensive onsite warranty for **12 months** from the date of satisfactory installation shall be applicable for offered goods.
21. All other terms and conditions of GFR 2005 of the Government of India will be applicable.
22. **Place of Delivery: Dept. of Metallurgical and Materials Engineering, NIT Durgapur.**
23. **Installation / commissioning / demonstration requirement: Installation, commissioning, complete demonstration and successful running at Dept. of Metallurgical and Materials Engineering, NIT, Durgapur**

I look forward to receiving your quotations and thank you for your interest in this project.

The bid (hard copy) must be addressed to:

The Registrar
National Institute of Technology, Durgapur -713209, W.B., India
Attention:
Dr. Bijay Kumar Show (Principal Investigator)
Department of Metallurgical and Materials Engg.,

Contact No: 0343-275-4727/4739

E-mail: bijayshow@gmail.com

Tendering for New Equipment and Experimental Accessories
For DST-SERB (Start Up Research Grant (Young Scientists)) sponsored research project

Sl. no.	Name of the Equipment	Specification of the Equipment	Qty.														
01	Pin-on-disk wear testing machine and its accessories	<p>Pin on Disc (Base): Should also be capable for Ball on disk single lever system in 1 : 1 ratio with the following parameters:</p> <table border="1" data-bbox="511 625 1442 898"> <tr> <td>Disc size</td> <td>165 mm x 8 mm</td> </tr> <tr> <td>Normal Load</td> <td>5 to 200 N</td> </tr> <tr> <td>Rotational Speed</td> <td>200 rpm to 2000 rpm</td> </tr> <tr> <td>Frictional Force</td> <td>up to 200 N</td> </tr> <tr> <td>wear measurement range</td> <td>up to 2000 μm</td> </tr> <tr> <td>Wear Track Diameter</td> <td>145 mm (variable)</td> </tr> <tr> <td>Pin/Ball Diameter</td> <td>3, 6, & 10 mm</td> </tr> </table> <p>Lubrication Module: with Lubrication Cup and re circulation Module</p> <p>Environmental Chamber to maintain environmental condition</p> <p>Chamber Heating Module S.S. Disc Holder up to 400 Deg C (min.)</p> <p>Pin Heating Module S.S Sample holder up to 400 Deg C (min.)</p> <p>Automated Loading system Automated by motorized loading with load cell feed back with following parameters: Ramp , Step and constant loading</p> <p>Pin sensing temperature with K type thermocouple</p> <p>Computer of Suitable configuration</p> <p>Standard ASTM G- 99 or equivalent</p> <p>High speed on-line data acquisition system for Friction Force, Co-efficient of friction, normal load and cumulative wear using acquire pro software.</p> <p>Fully computer controlled, with no manual intervention to change operational modes.</p> <p>Advanced comparative view reporting for comparison of multiple test results: ACACA algorithm based signal processing.</p> <p>Safety interlocks to ensure safe operations at all times within manufacture's permissible maximum limit shall be provided</p> <p>Easy to calibrate.</p>	Disc size	165 mm x 8 mm	Normal Load	5 to 200 N	Rotational Speed	200 rpm to 2000 rpm	Frictional Force	up to 200 N	wear measurement range	up to 2000 μm	Wear Track Diameter	145 mm (variable)	Pin/Ball Diameter	3, 6, & 10 mm	One (01)
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