

**Office of the Dean Research and Development
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Project Code: DRC/DST-INSPIRE/SMSE/SG/029/16-17

**Dr. M. N. Dastur School of Materials Science and Engineering
Indian Institute of Engineering Science and Technology
Shibpur, Howrah-711 103**

Ref.: Tender Advt. No. SMS 1341, dated 06.02.2018

Notice Inviting Quotations

Sealed quotations are invited for the supply of (1) A Vacuum Oven; (2) A Rockyvap Vacuum Pump as per the technical specifications provided in section II. The relevant bidding document can be downloaded from the website. The document can be also obtained from the Dr. M.N. Dastur School of Materials Science and Engineering (contact: Dr. Swatilekha Ghosh) between 12.00 a.m. and 3.00 p.m. on all working days for ten working days from the date of publication. The sealed quotations should be submitted at the office of the M.N. Dastur School within 10 working days from the date of publication of the notice till 5.00 P.M. The quotation should include the delivery charges, installation charges (in INR) of the item to MNDSMSE, Indian Institute of Engineering Science & Technology, Shibpur.

Dean (R &D)

(A. Code DRC-T122/17-18)

This is downloadable

**Indian Institute of Engineering Science and Technology,
Shibpur, Howrah-711 103**



BIDDING DOCUMENT

(Project Code: DRC/DST-INSPIRE/SMSE/SG/029/16-17)

For Supply of

Vacuum Oven with a Rockyvap Vacuum Pump

Under

Government of India Project

Dr. M. N. Dastur School of Materials Science and Engineering

February, 2018

SECTION I: Terms & Conditions and Important Instructions for Bidders

1. Bidders are to collect the tender documents with technical specifications for tendered items from the office of Dr. M. N. Dastur School of Materials Science and Engineering (MND-SMSE) between 10.30 a.m. to 3.00 p.m. from **7th February to 20th February, 2018** except Saturday, Sunday and other public holidays (Please consult list of holidays in the university website www.iiests.ac.in for details). Bidding documents may also be downloaded from the website (www.iiests.ac.in) and quotations may be submitted as per instructions in the document.
2. The last date of receipt of Bids is **21th February, 2018** up to **4.00 p.m.** Bids received later will not be entertained under any circumstances.
3. Date and time of opening of bids is **23th February, 2018** at **11.30 a.m.** and the place of opening of bid is the **meeting room (MST-106)** of MND-SMSE, IEST, Shibpur, Howrah-711103.
4. Bidders are to submit the tenders in **sealed envelope** at the following address:
Tender No.:

Dr. Swatilekha Ghosh
Assistant Professor,
(DST-INSPIRE Faculty)
Dr. M. N. Dastur School of Materials Science and Engineering
Indian Institute of Engineering Science and Technology, Shibpur
Howrah-711103.
5. All bids should be submitted in ONE-BID (TECHNO-COMMERCIAL BID) Format in covers (Advt. No. must be mentioned on cover).
6. All bids should be submitted giving **detailed specifications**, international standards (BIS/international), catalogues, list of users & technical details / **operating parameters, pre-installation requirements, payment terms, warranty**, etc.
7. Prices quoted should include **costs of ALL necessary spares and accessories** as well as **installation and other incidentals** that are necessary to make the equipment working and functional with all its capabilities.
8. All Vendors / Agents must submit **full details and requirements for installation & commissioning** of the equipment as per technical specifications submitted by them, including information about: (i) Water supply (Filtered, Flow rate) required; (ii) Ambient temperature and/or atmosphere control, if required, as applicable; (iii) Electrical and power requirements; and (iv) Any special requirements for installation of the equipment at the designated place.
9. Bidders are required to submit, along with the quotations, Original Manufacturer's catalogue mentioning Brand and Model No. (if applicable) with dimensions.
10. Bidders must attach the at least **03** Purchase Order copies for Supply & Installation of above equipments during the last **02** financial years in Central Government/Central Autonomous Body/Central

PSU/State Government or Autonomous/Reputed Private Research Centres (in Nos. and Value). Please attach a list of clients.

11. The price quoted should be **inclusive of ALL taxes, duties, levies and transportation**. Inclusion of tax/levy at a later stage will not be accepted. Freight, insurance charges should be clearly indicated. **Nothing extra will be paid** in addition to the quoted rate.
12. In case of imported equipment the local agents are to quote the price in foreign currency.
13. The supply of above equipments should be made at Dr. M.N. DASTUR SCHOOL OF MATERIALS SCIENCE AND ENGINEERING, IEST, SHIBPUR and supply means "Supply, Installation, Commissioning and satisfactory demonstration of the whole equipments". If any charges extra are payable for Installation and Commissioning, the same should be specified in the commercial offer.
14. The supplier / manufacturer shall provide **training** in operation and application of the instrument for the R&D work to user scientists and/or scholars at IESTS, if required.
15. The materials are to be supplied at a place within IESTS premises between 11.00 a.m. and 4.00 p.m. The **bidder will be responsible for any breakage, damage or defect in the equipment** detected subsequently. The **supply and installation** of the equipment should be **completed within** a period not exceeding **2 months** from the placement of the formal work order or opening of the LC, failing which appropriate action will be taken as per institute rules.
16. If the supply is not completed within the stipulated period as indicated in the work order, a Liquidated Damage @ ½ per cent per week will be imposed subject to maximum of 5% of the value of work order.
17. If the net price of the equipment is above Rs.1,00,000 then that instrument/equipment will not be considered.
18. Bidders are required to submit self-attested photocopies of valid Trade-License, Professional tax, VAT-Registration, PAN Card and latest IT-Return Certificates.
19. For the proprietary items, the bidders/manufacturers should submit proper proprietary certificate.
20. (a) For Indian purchase: **Bills in triplicate** should be presented for payment within **15 days of supply/completion** of work. **No advance payment can be made**. All bills are to be accompanied by order copies and Challan receipt.
Or
(b) For Foreign purchase:
Payment will be made through Letter of Credit/Bank Transfer. AWB, Packing list, Warranty certificate, etc should be provided.
21. Tender has to be kept valid for acceptance for a period of 6 months without any modifications in its terms and conditions.
22. Supplier should mention their details of service setup and manpower in Kolkata / Howrah, who are responsible for after sales support. **Response time** should be **within 24 hours**.
23. IEST, Shibpur will issue customs duty exemption certificate or excise duty exemption certificate for foreign purchase, if required.

24. The Bids should be submitted along with this tender document with the terms & conditions duly signed by the proprietor/ partner/director of the company as a token of acceptance of terms & conditions of tender.
25. Warranty/guarantee for all the items of equipment supplied shall be on 'all comprehensive' basis (i.e., including repairs, replacements, maintenance, etc.).
26. The minimum applicable period of all comprehensive warranty for all items of **equipment** shall be **36 (thirty six) months**, unless mentioned otherwise, from the **date of installation**.
27. **Indian Institute of Engineering Science and Technology, Shibpur, reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever. Indian Institute of Engineering Science and Technology would not be under any obligation to give any clarifications to those vendors whose tenders have been rejected. The decision of Director, IEST Shibpur is final and binding in case of any dispute arising out of this contract between both the parties. IEST will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier/Indian Agents to make their own arrangements.**

We accept the above terms and conditions.

Dated:

Signature of Bidders/Suppliers

With date & Seal

SECTION II: TECHNICAL SPECIFICATIONS

ITEM 1: Vacuum Oven (1)

Item Specifications: (Vacuum Oven)

- a) Size: 25- 30 Lit
- b) Working Temperature: +10°C to 400°C
- c) Maximum Temperature: 400°C
- d) Accuracy: $\pm 1^\circ\text{C}$
- d) Capacity: 1.5 KW, 230 VAC, 1 Phase, 50 Hz
- e) Heating Element: KANTHAL make NICROTHAL heating elements (Fe-Cr-Al allows doped by Mo type)
- f) Thermocouple: 'Pt 100' type with S.S. tube and connecting holder
- g) Temperature Controller: Microprocessor based digital PID temperature programmer controller, Single program 8 segments (8 ramps 8 shocks). Programming for heating, cooling and holding. 'FUJI' make, Model no: FXR4
- h) Thermal Insulation: For best thermal efficiency shall be used in high density ceramic blanket withstand 700°C and finally air insulation.
- i) Vacuum Range: Vacuum range in working chamber is apt to 760 mm of Hg, Analog type. The vacuums lose not more than 50 mm of Hg/24 hrs.
- j) Vacuum Pump: Model No: RV-2006

ITEM 2: Rockyvac Vacuum Pump (1)

Item Specifications: (Rockyvac Vacuum Pump)

Model: Tarson, Rocker 300

Cat. No.: 7010