



Tender Document

PONDICHERRY UNIVERSITY (A Central University) (R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)

The Centre for Nanoscience and Technology, Pondicherry University invites sealed tenders under two bid systems for the supply and installation of accessories for existing lab equipments under XII Plan Grant for Centre for Nanoscience and Technology Department fund. The technical specifications for the equipments' accessories are given below. All tenders should be sent to the address given below. The last date for the submission of tender is 27.09.2013 at 3.00PM

Sl. No.	Name of the Equipment with specifications	Quantity
01.	<p><u>High Temperature Sample holder set up for electrical measurements (in vacuum and with different gas environments) with safety cooling.</u></p> <ul style="list-style-type: none"> • This integrated high temperature sample holder set-up contains a sample holder, a furnace (T_{Max}: 1200°C), and a water chiller. All should be supplied as integrated. <p><u>Sample Holder:</u></p> <ul style="list-style-type: none"> • Should be able to hold the sample pellet of size 13 mm dia and 1 mm thick. • Pellet should be spring loaded between Pt electrodes to avoid the air gap. • Contact electrodes should be of 15 mm dia platinum disc (4 Nos.; two in the supplied holder and 2 Nos. spare should be supplied). • Input signal and output signal (Connecting) wires from the electrodes to outside connections should be Pt wire (at least 0.5 mm dia). • Thermo couple should be kept as close to the sample as possible. • Six lead output provision should be given (Two for Pt electrodes, two for thermocouple, and two spare leads). • Should be able to evacuate the sample chamber and the vacuum level must be of the order of 10⁻⁶ Torr. • Provisions should be given to do the experiment under different gas environments. Inlet and outlet must be provided for gas purging. • Maximum operating temperature should be 1000°C at the sample zone. • Suitable materials must be used so as to withstand 1000 °C. • The sample should be seated exactly in the hot zone of the furnace and the electrical connections are to be kept away from it. • Hot area near the outside flange containing electrical connections should be water cooled (at least 3" width of the outer chamber of the sample holder) by a chiller with circulating system. • The whole sample holder set up should be made in such a way that it can be placed inside the furnace for high-temperature measurements. <p><u>Heating furnace with capacity to adapt the sample holder.</u></p> <ul style="list-style-type: none"> • T_{max}: 1200°C. • T_{Operating} : 1150°C. • Double walled (made of 20 SWG thick CR Sheet). • Proper insulating materials should be used so that heat is not felt in the outside wall. • Ceramic insulation of 64 Kg density thick to be used to avoid thermal loss. • Temperature controller: Programmable Digital PID Temperature Controller • Size of the furnace is 4" × 4" × 9" (it should be designed in such a way that the sample holder will sit inside exactly). • The furnace set-up should be mounted on castor wheels for easy mobility. • Eurotherm Temperature controller (Optional but must be quoted separately). <p><u>CHILLER with circulating unit</u></p> <ul style="list-style-type: none"> • Temperature range in the bath: 10°C to ambient. • Water Tank capacity : 70 litres minimum • Outer body, inner chamber and lid of 304 grade 22 SWG thick Stainless Steel Sheet. • Hermetically sealed compressor with environment friendly CFC free refrigerant. • Temperature controller: Digital PID controller. • Water output pressure monitor • Circulation Pump : 10 litre per minute at zero head of water of standard make for cold water circulation to an external system. • The entire unit should work at 220V AC/50 Hz power supply. • The unit should be mounted on castor wheels for easy portability. <p>All the units should work at 220V AC/50 Hz power supply single phase.</p>	01

TERMS AND CONDITIONS

I. General Information:

1.Last date and time of receipt of the Quotations: **27.09.2013 at 3.00PM**

2. Date and Time of Opening of the Quotations (Technical quotes): **27.09.2013 at 3.00PM**
3. Quotation/Tender document Fee: Rs.500/-* and EMD rate:Rs. 2000/- (Rupees one thousand only)
4. **Two bid systems** have to be strictly followed. (One for Technical bid and another for commercial bid to be submitted in separate covers)
5. However, the tender document fee and EMD as specified above should be remitted by each firm / bidder, collectively for all their bids advertised under this tender.
6. Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support, additional warranty, offer of additional / special features, Compatibility with the existing System, Training, etc.
7. The Tender Document Fee and EMD should be submitted in a separate cover superscribing **Bank Demand Draft and which should be enclosed with the technical bid.**
8. The Photo Copies of the Bank Instruments on payment of EMD should be attached with each bidding covers.
9. The tender / quotation must be submitted along with the stipulated tender document fee and EMD in the sealed cover, super-scribing the name of the Department / Centre for whose equipments the tender is quoted for.
10. The cover should also contain the information like, Name of the Equipment and Serial Number of Equipments for which the bids are submitted. The name and address of the bidder should also be mentioned at the from address space.
11. The tenders should be addressed to **The Registrar, Pondicherry University.**

The examples for super-scribing the envelopes of the different categories of tenders are given below:

<p>Tender submitted under two bid system for The Centre Head, Centre for Nano Science & Technology.</p> <p>Name of the Equipment: _____</p> <div style="text-align: right; margin-top: 20px;"> <p>To The Registrar, Pondicherry University, R.V. Nagar, Kalapet Puducherry – 605 014.</p> </div> <p>From Supplier's Address</p>	
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12. In case of local delivery, all tenders are to be dropped in the tender box placed at the Information Facilitation Counter, Bharat Ratna Dr.B.R.Ambedkar Administrative Block, Pondicherry University, R.V. Nagar, Kalapet, Puducherry – 605 014.
13. The tenders sent through fax / e-mail will not be accepted.

II. Common Conditions (Imported or Indigenous items)

1. Purchase of Tender Document:

The Tender document can be either downloaded from the University website www.pondiuni.edu.in or procured from the Information Facilitation Counter, Dr.Ambedkar Administrative Block, Pondicherry University on payment of fee as specified above, by means of a D.D, drawn in favor of the Finance Officer, Pondicherry University, payable at Puducherry. The downloaded application should be accompanied with the tender document fee, in the form of a Demand Draft.

Separate bids should be submitted.

2. Price Schedule

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the Delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

3. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

4. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this Tender and must have executed at least three orders for this kind of Equipment) during the last three years.

5. Duty Exemption

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 Re-search (DSIR), India, vide their Notification No.10/97, dated 01-03-1997 and No.51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software 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.

Customs duties at Indian port, if any, will be to the account of the University.

6.WARRANTY: The Equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (**preferably 3 years**) from the date of putting the system into operation at the Centre for Nanoscience and Technology, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment.

If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.

7. The information pertaining to infra-structural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, at least 120 days in advance of the installation to be commenced if purchase order is issued. All drawing for electrical connections, electrical safety items piping work etc. must be provided in detail.
8. Complete technical specifications and literature, including process flow, to be included with the quotation. Manufacturers of various major parts/equipment must be mentioned explicitly.
9. A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included.

10. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.
11. If the bidder is an authorized representative in India, they are requested to inform their technical ability to take care of the problems in the system, if developed later within the warranty and outside the warranty period. The responsibility of the Indian agent must be clearly specified.
12. The bidder from abroad shall obtain, if required, export permission from the appropriate authorities in his country or the country of origin for items to be shipped to India in case of items to be imported. The University shall provide necessary information if required for this purpose.
13. All equipment must operate at 230V/50 Hz single phase and / or equivalent three phase electrical power.
14. The validity of the each quotation should be at least 1 Year from closing date of the bid.
15. The offers will not be considered if received after the bid closing date and time.
16. The offers received through telex / tele-fax / e-mail will not be accepted by the University under any circumstances.
17. The University shall not be responsible for any delay / loss or non-receipt of tenders by post / courier service.
18. No unsolicited correspondence shall be entertained after the submission of the offer.
19. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.
20. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University.
21. Tender is not transferable.
22. In case of any dispute in respect of the tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

23. Power to reject the offer

Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

24. No Agency commission will be paid to any authorized agent in India.
25. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty/LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.
26. The training should be provided by the supplying companies on the specimen and operation of the equipments for a minimum period of two weeks from the date of installation with an expert team.
27. For any clarification with respect to technical specifications, please contact the respective Department Heads as per the details given below:

Sl.No.	Name of the Department	Name of the Centre Head	Contact Numbers
01	Centre for Nanoscience and Technology	Prof. N. Satyanarayana	0413-2654404 e.mail: nallanis2011@gmail.com
02.	Centre for Nanoscience and Technology	Dr P. Thangadurai	0413-2654974 e.mail: thangadurai.p@gmail.com

III. Specific Conditions for Imported Equipments

1. Payment of EMD:

The Quotation must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favour of **The Finance Officer, Pondicherry University, payable at Puducherry**. The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.

2. Payments terms:

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the furnace to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier.

3. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in Rupees or in US Dollars or in major foreign currencies.
4. The total cost should be quoted for FOB as well as CIF – Pondicherry University.
5. However, the price quoted under FOB or should also include the following cost if they are required during the initial stage:
 - a) Local freight / insurance for Chennai airport to University laboratory.
 - b) Installation cost if any.
 - c) Cost of consumables which are required for the equipment for initial operation upto a reasonable time.
6. In case of the Principal supplier of Foreign country unable to meet the conditions stated at para no.4, the local agent / dealer should fulfill the above said conditions in respect of Local Insurance, Freight, safety transport and installation, etc.
7. The bidder from within India shall obtain the requisite approval for Imports etc., if required.
