



PONDICHERY UNIVERSITY
(A Central University)

MADANJEET SCHOOL OF GREEN ENERGY
TECHNOLOGIES

CENTRE FOR GREEN ENERGY
TECHNOLOGY

**Tender document for supply of minor
equipments**

- i) 6m² Solar Air Heater with drying chamber
- ii) Digital Thermo Anemometer
- iii) Solar Tunnel Drier powered by PV module

(Tender No. Ref: - PU/CGET/RESEARCH/2012-13/ Dt. 4.07.2013)

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TERMS AND CONDITIONS (UNDER SINGLE BID SYSTEM)

I. Instructions to the Bidder: -

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 tender document fee as specified below, by means of a Demand draft drawn in favor of **the Finance Officer, Pondicherry University, payable at Puducherry**. In case of downloaded documents, it should be submitted along with the tender document fee in the form of Demand draft drawn as mentioned above.

2. Tender Document fee

S.No	Name of the Equipment	Tender Document Fee
1	6m ² Solar Air Heater	Rs. 100/-
2	Digital Thermo Anemometer	Rs. 100/-
3	Solar Tunnel Drier powered by PV module	Rs. 100/-

3. Last Date & Time for submission of Tender Documents

30.07.13 at 3.00 p.m. and they will be opened on 30.07.13 at 4.00 p.m.

4. Submission of tender Document

Tender/ quotation must be submitted in sealed cover super-scribing thereon bidder's name, Notification No. and name of the Item, along with tender document. Any tender, submitted without tender document fee, will not be accepted. Tender has to be sent by Registered/Speed post / courier service addressed to **“Dr. A. Sreekumar, Principal Investigator, UGC-Start-up Grant, Centre for Green Energy Technology, Pondicherry University, R.V.Nagar, Kalapet, Puducherry – 605 014”** positively before the tender bid closing time. **Tenders sent through Fax or Email will not be accepted.**

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

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid and under no circumstances these components shall be added to the basic price and shown as single price. All the components of taxes, if applicable, should be shown explicitly and separately.

6. EMD

If the cost of the instrument exceeds more than one lakh, an EMD of Rs. 5000/- should be given in the name of Finance Officer, Pondicherry University payable at Pondicherry.

7. The validity of the Quotation

The validity of the quotation should be for **at least 180 days** from the closing date of the bid.

8. Late Bids

The offers will not be considered if received after the bid closing date and time.

9. Invalid quotes

The offers received through tele-fax / e-mail will not be accepted by the University under any circumstances.

10. In case of Postal loss

The University shall not be responsible for any delay / loss or non-receipt of tenders by post / courier service.

11. No unsolicited correspondence

No unsolicited correspondence shall be entertained after the submission of the offer.

12. Purchase Agreement

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.

13. Additions in terms and conditions

Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University. Tender **is not** transferable.

14. Power to reject the offer

Any offer containing incorrect and incomplete information shall be liable for rejection. 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.

II. Price Schedule

1. The bidder who is capable of supplying the entire solutions for the instrument quoted as per the list of ITEMS mentioned in the schedule, is alone need to submit their quotation.
2. The rates should be quoted for a single unit.
3. The price should include the delivery and installation at the **Centre for Green Energy Technology**, Pondicherry University, Puducherry and training charges (if any).

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III. Conditions of Contract: -

1. The offer must be in English. The rates should be indicated both in figures and words against item specified in the tender document. It is preferable that the price be quoted in Indian Rupees.
2. The total cost **should be quoted for FOB as well as CGET** – Pondicherry University, Puducherry.
3. The price quotes under FOB and CIF should also include the expected installation cost in the University Laboratory at Puducherry and also cost of consumables which are required for the main equipment for initial operation up to a reasonable period.
4. In case of the Principal supplier of foreign country unable to meet the conditions, the local agent / dealer should fulfill the above said conditions in respect of Local Insurance, Freight, safety transport and installation, etc.
5. The prices quoted shall remain firm until equipment is supplied to the Centre for Green Energy Technology, Pondicherry University, R.V.Nagar, Kalapet, Puducherry
6. 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 Research (DSIR), India, vide their Notification No. 10/97 dt. 01-03-1997 and 51/96 dt. 23.07.96 respectively.

In respect of

- a. Scientific and technical instruments, apparatus, equipment 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.
7. Infra-structural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided, at least 120 days in advance of the installation to be commenced. 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. If you have an authorized representative in India, you are requested to inform his 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.

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11. 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.
12. The bidder from within India shall obtain the requisite approval for Imports etc., if required.
13. **Warranty:** The material 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 from the date of putting the system into operation** at the Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment in India. (A signed Bidder's Warranty as per Annexure – I has to be submitted along with the Bid Document) 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.
14. **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. 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 US Dollars or in major foreign currencies.

For any clarification with respect to technical specifications, please contact Dr. A. SREEKUMAR, Asst. Professor, Centre for Green energy Technology, Pondicherry University, Puducherry.

Email: getpcu@gmail.com or sreekmra@gmail.com

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Mob: +91-944 300 7469

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Name of the Instrument and specification

S.No	Name of the Item	Specifications	Qty
1	6m ² Solar Air Heater with drying chamber	Absorber plate of solar air heater– 24 SWG corrugated selective coated GI mesh Insulation – 50 mm PUF insulation (4 sides and bottom) Area of solar air heater – 2m x 1m (3 collectors arranged in series configuration) Size of the drying chamber Width - 1000 mm Depth – 1100 mm Height – 1200 mm Loading per tray – 3kg Maximum temperature outlet of the solar air heater - 65°C Mode of heating – hot air generated from solar collectors circulated into the casing through blower Auxiliary heating – Electric coil Blower – 1 No. of 0.5 HP Power supply – 240 V single phase/440V Three phase Tray material- SS 304 Tray size – 600 x 900 x 25 Control panel – Controls for axial fans, blowers, back up electric heaters and air flow	1
2	Digital Hot Wire Thermo Anemometer.	Medium : Air Range : 0 to 30 m/s Temperature Limits: Probe: 20 to 80°C Probe Diameter : 12 mm or below Probe Length : above 25 cm	1
3	Solar Tunnel Drier powered by PV module	Length: 2m Width: 1m Absorber: 22 SWG Selective coated Al plate Glazing: 4-mm solar toughened glass Trays: Perforated 4 mm SS trays Tray size: 45 cm x 45 cm No. of trays : 4 Rail and wheel arrangement of smooth movement of trays. Solar PV of 50 W to operate two axial fans Insulation: 50 mm PUF or rock wool Door: 1 meter wide for loading and unloading.	1

BIDDER'S WARRANTY

ANNEXURE - I

The Registrar, Pondicherry University, Puducherry invited Bid Document for Supply of Equipments at **Centre for Green Energy Technology**, Pondicherry University and M/s. _____

There in after referred to as "The Bidder" having carefully studied all the bid documents, Specifications, etc. accompanying the tender for supply of the _____ (Name of the Instrument) and desirous to submit the bids as per the Tender Document advertised vide Notification -Tender No. - **PU/CGET/RESEARCH/2012-13/501 Dt. 22.02.2013**)

DO HEREBY WARRANTY THAT

1. The bidder is familiar with all the requirements of the bid documents.
2. The bidder has investigated the site and satisfied, he regarding the character and scope of the work and local conditions that may affect the supply or its Performance.
2. The bidder is satisfied that the supply can be performed and completed as required in the contract.
4. The bidder accepts all risk directly or indirectly connected with the performance of the contract.
5. The bidder has had no collusion with other contractors, with any of the men of Pondicherry University, Puducherry, or with any other person in preparation of the bid.
6. The bidder has not been influenced by any statement or promise of the Officials of Pondicherry University, Puducherry but only by the bid documents.
7. The bidder is financially solvent.
8. The bidder is experienced and competent to perform the contract to the satisfaction of the Centre Head, Centre for Green Energy Technology, Pondicherry University, Puducherry.
9. The statements submitted with the bid are true.
10. The contractor is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
11. All the terms & conditions of the Supply Order will bind the bidder once his quote is accepted and supply order issued.

Signature of the Bidder