

PONDICHERRY UNIVERSITY, PUDUCHERRY – 605 014

(A central University)

Centre for Green Energy Technology

Sealed quotations are invited for the following items under DST-WOS A project. The quotation should be sent by post (normal/speed/registered/courier) only. The price quoted should include all the costs such as delivery, installation, testing etc., and also inclusive of all taxes. Warranty terms should be explicitly specified in your quotation. The technical specifications are given below. Last date for receiving quotation is 26.11.2015.

Radhika V Nair
Principle Investigator, DST WOS A Project
C/o Dr.R.Arun Prasath,
Centre for Green Energy Technology,
Pondicherry University,
R.V Nagar, Kalapet,
Pondicherry – 605014

Name of the required equipments for DST-WOSA Project

Sl.No.	Name of the Equipment	Qty
1	Photocatalytic Reactor	1
2	High Speed Centrifuge	1
3	Ultrasonicator Probe type	1
4	Tubular Furnace	1

CONTENTS

I	Terms and conditions under two bid system	2-8
II	Annexure-I (Bank Guarantee)	9-10
III	Description & Technical Specifications of Instruments	11-13

TERMS AND CONDITIONS

I. General Information: -

1. Last date and time of receipt of the Tenders: **26.11.2015, 3:00 PM** and they will be opened on same day i.e., **26.11.2015, 3:30 PM**

2. Tender Document fee and EMD rates: -

Tender Document Fee: Rs 500 /- (mandatory for all equipments)

EMD rate: 2.5 % of the quoted price

3. Two bid systems have to be strictly followed. (One for Technical bid and another for commercial bid to be submitted in separate covers superscribing the type of bid clearly on the top of the cover)

4. 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.

5. 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 back-up support, additional warranty, offer of additional / special features, compatibility with the existing system, training, etc.

6. 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.

7. The Photo Copies of the Bank Instruments on payment of EMD should be attached with each bidding covers.

8. The Tender must be submitted along with the stipulated EMD fee in the sealed cover, superscribing **"Tender for DST-WOSA Project Minor Equipments – Centre for Green**

Energy Technology". The name and address of the bidder should also be mentioned at the "From address" space.

9. 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

10. The Tender should be addressed and posted to the following address by speed, registered post or by courier to

**Radhika V Nair,
PI – DST-WOS A project,
C/o Dr R. Arun Prasath
Centre for Green Energy Technology,
Pondicherry University (A Central University),
R.V. Nagar, Kalapet,
Puducherry – 605 014**

II. Common Conditions

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 bidder may either quote for the entire equipments or individual items required for the Centre for Green Energy Technology. 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 (if any), etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until equipment is supplied to the Centre for Green Energy Technology, 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 sufficient number of installations of the similar Equipment in the premier Research Institutes in India. Any other techno commercial information, pertaining to this particular Equipment, principal suppliers, technical background and capability, local agents' background on Scientific Equipment Business, etc. may also be appended along with testimonials and documentary proof

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 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.

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 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. 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 safeguard 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 as per the details given below: -

Sl.No	Name of the Department	Name of the Principal Investigator	Contact Numbers
1	Centre for Green Energy Technology	Radhika V Nair	0413-2654612 9894339768

III. Specific Conditions

1. Payment of EMD:

The Tender 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 Pondicherry separately. The amount is refundable. The Small Scale units are exempted from payment of EMD provided they should enclose proof of their exemption Certificate issued by the competent authority.

2. Payments terms:

- Normally a letter of Credit will be opened for 90% of CIP price, on receipt of order acknowledgement. However, 100% of the LC also be considered, if the supplier provide Bank Guarantee towards performance Security for the 10 % of the total cost of the equipment 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.

REGISTRAR

Date: 19/10/2015

ANNEXURE – I

BANK GUARANTEE

Pondicherry University
Bharat Ratana Dr. B R Ambedkar Administrative Building
R Venkataraman Nagar
Puducherry 605 014

This guarantee made this _____ day of _____ 200_ by _____ Bank having its Registered Office at _____ and one of its branches at _____ (hereinafter referred to as “the Guarantor” which expression shall, unless it be repugnant to the subject, meaning or context thereof, be deemed to mean and include its successors and assigns) in favour of the Pondicherry University, Puducherry 605 014 represented by its Registrar, having his office at R. Venkataraman Nagar, Kalapet hereinafter referred to as the “University” which expression shall include his successors in office for an amount not exceeding Rs. _____ (Rupees _____ only) at the request of M/s. _____ (more fully described hereunder)

2. Whereas the University has placed Work Order No: PU/ _____ dated _____ for _____ with M/s. _____ having its office at _____ and hereinafter referred to as the “Contractor” which expression shall include their successors and assigns.

3. And whereas the Contractor has accepted and agreed to execute the work as per the work order as per undertaking / agreement dated _____ within the time stipulated and in the manner specified therein.

4. And whereas the University has called upon the Contractor to furnish Bank Guarantee for the sum of Rs. _____ (Rupees _____ only) for fulfillment of the said work as specified in the work order and as agreed to by the Contractor.

5. And whereas the Contractor has requested the Guarantor herein to furnish an irrevocable and unconditional Bank Guarantee in favour of the University for an amount of Rs. _____ as guarantee towards execution of the work as agreed to by the contractor to the University.

6. Now, therefore, we _____ Bank, the Guarantor herein, do hereby irrevocably and unconditionally Guarantee the payment to the University the sum not exceeding Rs. _____ (Rupees _____ only) in the event of any breach, failure, neglect or inability on the part of the Contractor in the execution of the said work, on demand without reference of the matter to the Contractor and without any prior consent of the Contractor, at all times throughout the period of execution of the work, without demur, cavil or argument or delay.

7. The Guarantor agrees and undertakes that the decision of the University as to whether the contractor has committed any breach of the obligation with respect to the work to be executed, and the quantum of amount therefore payable by the Contractor to the University in that regard, shall be final, binding and conclusive as against the Guarantor and the Guarantor shall make payment accordingly, on demand by the University.

8. The Guarantor further agrees and undertakes to pay to the University the amount demanded by the University irrespective of and notwithstanding any dispute raised by the Contractor in any suit or proceeding before any judicial forum relating to the Contracted work and the Guarantor's liability under this Guarantee shall be absolute and unequivocal.

9. This Guarantee is issued subject to the condition that the liability of this Guarantor under this guarantee is limited to the maximum of Rs. _____ (Rupees _____ only) and the guarantee shall remain in full force up to _____ and cannot be invoked otherwise than by a written demand or claim by the University for the payment of the said amount by the Guarantor on or before _____ or any extended date as decided by the University.

10. This University shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the contracted work or to extend time for performance of the work by the Contractor. Any change to the contracted work shall not in any way release the Bank (Guarantor) from liability under this Guarantee and we waive notice of any such change. The University shall have full liberty to forbear or enforce any of the terms and conditions of the contracted work.

11. This Guarantee shall not be affected by any legal limitation, disability or other circumstances relating to the Contractor or the Guarantor.

12. This Guarantee shall be valid for the period upto _____ and shall extend further and beyond _____ for such period as determined by the University.

13. The Guarantor undertakes not to revoke this guarantee except with the previous consent of the University in writing.

14. Notwithstanding anything contained herein:

- Our liability under this guarantee shall be limited to Rs. _____ (Rupees _____ only)
- This guarantee shall be valid upto _____ and for such further period as determined by the University for fulfillment of the contract.
- We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____ or such extended period / date.

In witness whereof, this Guarantee has been executed by _____ for an on behalf of the Bank (Guarantor) on the day, month and year first above written.

SIGNATURE AND SEAL

NAME OF THE BANK (GUARANTOR)

ADDRESS

Description & Technical Specifications of Instruments

Item	Specification	Quantity
Photocatalytic Reactor	<ul style="list-style-type: none"> • Photoreactor minimum unit dimension L X B X H - 33" x 24" x 14" • Double jacketed quartz tubular reactor set-up for 100 ml and 250 ml capacity with inlet and outlet with Teflon -glass B7R threaded for product addition, sampling slide and sampling port • A central port to insert UV-Visible lamps and outer quartz double jacket for chilled water circulation for cooling with Teflon tube sealing arrangement. • UV safety cabinet with electronic ballast controller (250 W) or equivalent along with Step down transformer with built in exhaust fan. • 250 Watts high performance Mercury vapour UV lamp with built in safety resister, Wavelength : 200 - 400 nm with quartz jacket • 250 Watts high performance Mercury vapour Visible Lamp with built in safety resister, Wavelength : 400 - 800 nm with quartz jacket • Arc Length : 75mm for lamp shell • Manual UV lamp controller with toggle switch LED power on • Magnetic compact table top stirrer with hot plate, High quality corrosion free Plate Mount, RPM 0 -1000, Temperature upto 500°C • Other additional accessories for the working of the instrument can be quoted separately (like vaccum pump, septums, sampling vials, syringes etc.) <p style="text-align: center;">Note: Vendors may quote higher end versions as an option</p>	1
High Speed Centrifuge	<ul style="list-style-type: none"> • Bench Top Model High Speed Specification system • Programmable microprocessor controlled high performance centrifuge 	1

	<ul style="list-style-type: none"> • Dual digital display of set and actual setting, keypad entry • Zero start interlock, imbalance indicator • Timer : 1-99 min • Maximum capacity: 300 ml-500 ml • Maximum speed: 18,000 rpm • Temp: 20°C to 45°C • Min. 2 operational rotors (15 ml and 50 ml) • 50 ml and 15 ml round bottom propylene tubes with screw caps • Separate quote for other accessories required for the operation of instrument can be included <p>Note: In addition, vendors may quote higher end versions as an option</p>	
Ultrasonicator Probe type	<ul style="list-style-type: none"> • Frequency: 20-25 kHz. • Adjustable pulse (1sec-1min). • Ultra sonic power (650w or 750w). • Power 220/110v. • Probe 6mm. • Optional probe 2mm • Crushing capacity-10-250ml • Programmable timer-0-10hrs • Sound abating chamber • Elapsed timer indicator • Other additional accessories for the working of the instrument can be quoted separately <p>Note: In addition, vendors may quote higher end versions as an option</p>	1
Tubular Furnace	<ul style="list-style-type: none"> • Double walled outer body made of perforated CR sheet enamel painted. • Chamber Size - I.D: 60 x O.D: 70 x Length: 750-800 mm • Power- 4 KW • Fittings for controlled atm – Aluminium or SS fittings with water cooling arrangement under inert gas/air and Whiton ‘o’ ring. • Max. Temperature - 1200°C • Continuous work temperature - 1100°C • Heating rate 3-10°C /min • Temperature controller - PID automatic control and auto-tune function min 5 programmable segments for precise control. Built in protection for over-heated and broken Thermal couple. 	1

	<ul style="list-style-type: none">• Hot zone length - 200mm• Temperature Accuracy- +/- 1 °C• Heating Element - Kanthal A1• Thermal Couple - K type• Product dimension - ≈600 x 600 x 600 mm and 200 x 60 mm• Other additional accessories for the working of the instrument can be quoted separately <p>Accessories should be included: Pair of glove, crucible tongs, 2pcs tube insulation plugs, 5 alumina boats, vacuum pressure gauge, quartz tube compatible with the chamber size</p> <p>Note: In addition, vendors may quote higher end versions as an option</p>	
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