



Department of Ecology and Environmental Science

Pondicherry University

Puducherry-605014

PU/DEES/SPD/UGC-MRP-Project/Equipment Tender/2012/02

10.10.2012

Sealed quotations are invited for the purchase of the following laboratory equipments under UGC-MRP project entitled “Development of pilot scale solar photocatalytic reactor”. The quotations can be submitted for one or more equipments. The quotations duly signed and sealed should be submitted to **Dr.Suja P.Devipriya Assistant Professor, Department of Ecology and Environmental Sciences, Pondicherry University, Puducherry-605 014.**

The quotation should be sent by post (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 **31.10.2012 by 4.00 PM.**

Name of the required items for UGC-MRP Project:

- 1. Jar Test Apparatus (Flocculator)**
- 2. Turbidity Meter (Nephelometer)**

The detailed specifications of the individual equipments are given below:

1. Jar Test Apparatus with Four stirrers (1 no)

The illuminated base must consists of fluorescent tube mounted below translucent plastic plate to provide diffused cold light through floc samples. Flocculator should consist of geared continuous run heavy duty 1/20 H.P variable speed motor from 50 to 100 RPM with built in speed control. The Stirring rods should be made up of stainless steel with adjustable spacer to adjust the depth of stirring paddles. The stirring shaft could be removed without disturbing other stirrers. It should supply with 4 stirrers and must work on 220 V AC. This unit should supply with beakers as accessories.

2 .Nephelometer or Turbidity meter Digital (1 no)

The turbidity meter should be suitable for

- **Measurement of Turbidity Upto1000 NTU/JTU**
- **Sewage & Drinking Water Testing**
- **Highly Stable, Reliable & Accurate Results**
- **Simple & Easy to Use.**

Technical Specifications of Turbidity Meter:

Range	Two Ranges 0 to 200 JTU/NTU and 200 to 1000 JTU/NTU
Display	3½ digit LED display
Accuracy	+3% of Full Scale Deflection in 0-1000 JTU/NTU
Sample System	30 mm. Clear Glass Cuvettes
Light Source	6.8 Volt, 0.3 Amp. Tungsten Lamp
Detector	Photo diode
Calibration	With Formazine Solution
Power Supply	230 Volt +- 10%, 50 Hz AC

TERMS AND CONDITIONS

1. **As per the university rules no freight or advance towards the cost of items are payable.**
2. **The envelope carrying the quotation should be super scribed with last date and time of the quotation.**
3. The university has the right to accept or not to accept any quotation and has the right to restrict the quantity, number of items of purchase.
4. The university has the right to reject the quotation that has corrections in the rates and other figures quoted.
5. The supply should be made in the premises of Department of Ecology and Environmental Sciences, Pondicherry University, Kalapet, Pondicherry –14.

6. Indicate actual tax chargeable, since no 'D'Form will be issued.
7. Enclose the relevant catalogue/Manual for all the instruments quoted.
8. If the cost of the instrument exceeds more than **one lakhs, an EMD of @ 2.5. %** of the cost of the instrument should be given in the name of The Finance Officer, Pondicherry University, Payable at Pondicherry.
9. Only original equipment manufacturers are permitted to quote against the requirement. Original equipment manufacturers may, if they so desire, route their tenders/quotations through an authorized Indian agent. In the latter case, the tender must be on the manufacturers letter head and duly signed by authorized personnel (with name and designation of the original company (Not by the Indian agent).
- 10 The total cost should be quoted for FOB (ex-port, Chennai, India) as well as CIF-Pondicherry, India.
- 11 The University has been granted the benefit or 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.in respect of Scientific and technical instruments, apparatus, equipment including computer
- 12 A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included
- 13 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.
- 14 The prices quoted shall remain firm until equipment is supplied to the Pondicherry University.
- 15 **The validity of each quotation should be at least 90 days from closing date of the bid.**
- 16 The offers will not be considered if received after the bid closing date and time

- 17 The university shall not be responsible for delay / loss or non-receipt of tenders by post / courier service
- 18 If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at this time
- 19 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.
- 20 Complete technical specifications and literature, including process flow, to be included with the quotation. Manufactures of various major parts/equipment must be mentioned explicitly
- 21 Additional terms and conditions may be incorporated in the purchase order to safe guard the interests of the University.
- 22 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.
- 23 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

Dr. Suja P. Devipriya

Principal Investigator