

PONDICHERY UNIVERSITY
SCHOOL OF PHYSICAL CHEMICAL AND APPLIED SCIENCES
DEPARTMENT OF CHEMISTRY
TENDER NOTICE

July 30, 2012

PU/DC/HSP/OSDD-PROJECT/EQUIPTS.ADVT/2012-2013/581

Sealed quotations are invited for the purchase of the following two laboratory equipments by the Principal Investigator, OSDD project, Department of Chemistry, Pondicherry University. The quotations duly signed and sealed should be submitted to **Dr. H. Surya Prakash Rao, Professor, Principal Investigator, OSDD Project, Department of Chemistry, Puducherry - 605014.**

The quotations should be sent by post (normal/speed/registered /courier) only. The price quoted should include all costs such as necessary accessories, delivery, installation, testing etc and also inclusive of all the taxes. Warranty is for three years. The technical specification is given below. **Last date for the receipt of quotations is August 14th, 2012 (Friday) 3:00 PM.**

Names of the required laboratory equipments are given below:

S No	Name of the equipment	Qty
1	Rotary Vacuum Evaporator	1 No
2	Electronic weighing balance	1 No

Detailed specification of the individual equipments given below:

1. Specifications: Rotary Vacuum Evaporator

The rotary evaporator should be a complete unit with water bath and other necessary basic requirements consisting of following parts:

a) Rotary Vacuum Evaporator should have vertical condenser. The rotary evaporator should have standard flask joint of NS24. It should be driven by brushless DC drive motor with electronic speed control ranging from 5 to 280 rpm and with smooth start. Speed display should be of analog / digital. Lift can be motor driven or manual with adjustable height of at least 150 mm.

b) Digital heating bath of at least 4.5 L capacity and accuracy of 1°C and maximum heating up to at least 150 °C with heating capacity of at least 1000 W and input of 220 V, 50 Hz.

Optional:

c) Diaphragm pump that will be compatible with the Rotary Vacuum evaporator.

Vendors should quote items manufactured by standard companies like Ika, Heidolph and Buchi. If not, the vendor should demonstrate functioning of their instrument by evaporating a solution of dimethyl sulfoxide at 40 °C at our premises.

2. Specifications: Electronic Weighing Balance

Capacity	Minimum = 400 g and maximum = 500 g
Minimum display	0.001 g
Calibration range with external weights	100-500 g
Repeatability (g)	0.001 g
Linearity (g)	of at least 0.002 g
Response time (s)	1.5-2.5 seconds
Pan size (mm) approx.	110 × 105 mm
Main body dimensions (mm) approx.	200 W × 320 D × 10 H
Weight (kg) approx.	Not more than 5 Kg
Display	LCD with back light
Power requirement	of about 12 V from 220 V 55 Hz
UPS	Suitable UPS with 30 min power back up

Only those manufactured by reputed companies with ISO certification and supplied to Pondicherry University or to other Government educational institutions in Pondicherry need to quote. All others who quote should demonstrate working of their balance to our satisfaction at our premises.

3. Common conditions (Imported / Indigenous)

1. Price schedule

The rate should be quoted for a single unit and also for the total quantity required by the university. The price should include the delivery, installations, at respective Department in the university. The price quoted shall remain firm till the equipment is supplied to respective department, Pondicherry University.

5. Technical specifications

- i) Warranty: The equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operations and performance for period of at least 36 months (3 years) from the date of putting the system into operation at the department of Chemistry, Pondicherry University or at least 42 months from the date of receipt of the last lot of consignment.
- ii) If any item covered under the warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
- iii) Complete technical specifications of the equipments include the operation manual to be included in the bid.
- iv) The necessary service support should be provided by bidder during the agreement period.
- v) The training should be given by the supplying company.
- vi) Operation manual should be provided in English
- vii) The equipment must operate at 230V/50Hz single phase and /or equivalent three phase electric power.
- viii) Validity of each quotation should be at least for three months from the closing date.**
- ix) The vendors should provide a list of users from nearby educational institutions of the model that they have quoted.