

**Pondicherry University**  
**Centre for Pollution Control & Environmental Engineering**

*Quotation Notice No CPEE/R-8(b), R-15/2013 dated 18.10.2013*

Sealed quotations are invited for the purchase of the items given in the attached list for this centre, so as to reach the undersigned on or before 26.10.2013, 3 PM

**This notification is subject to the following terms and conditions:**

- a) Your tenders must be sealed ones and **our reference and due date must be mentioned on the covers**. Quotations without full specifications WILL BE CONSIDERED INVALID.
- b) Prices quoted by you should clearly indicate all the taxes/duties applicable. For any item that qualifies for DGS&D rates or any other duty concessions applicable to governmental organizations or educational institutions, this fact must be indicated prominently and such concessional rates must be quoted along with the normal ones.
- c) Make sure that dates, rates etc are correctly put. Avoid overwriting. If in a rare case you have to make a correction, please do initial it (the initial must be by the same person who signs the tender response).
- d) Your responses must reach us by the due time. Please therefore ensure that you send them well in advance by speed post or reliable courier. Alternatively they should be delivered in person. **Late tenders shall not be accepted under any circumstances.**
- e) The university rules do not permit advance payment. But as soon as items are received in satisfactory condition, your bills will be passed.
- f) Price validity: The base price quoted by you should be valid against any upward revision for at least 90 days from the date of your quotation.
- g) For any clarification please contact undersigned on e-mail <Prof.S.A.Abbasi@gmail.com>.

Puducherry  
Date: 18.10.2013

**Prof S. A. Abbasi, Head**  
Center for Pollution Control and Environmental Engineering  
Pondicherry University  
Kalapet, Pondicherry 605 014

### List of equipment

	Items with specifications	Please quote
1.	<b>Heat Flux sensors with data acquisition kit</b> Heat flux – upto 100 kw/m <sup>2</sup> Temperature upto – 800° c Accuracy – ± 2 % for 0 – 100 kw/m <sup>2</sup> Response time < 0.5 sec Mountable on cylindrical or any curved surface	Per piece
2.	<b>Thermocouple wire</b> K type (24 gauge) Ceramic fiber insulated Can measure temperature upto – 1200° c	Per meter
3.	<b>Data acquisition module for the thermocouples which can record temperature from up to 8 thermocouples</b> Measures from -270 to 1820°C (-454 to 3308°F) Accepts thermocouple Types J, K, T, E, R, S, B and N Automatic cold junction compensation High Accuracy and Resolution Multiple units can be run on a single PC Minimum 10 readings per second per thermocouple Windows software included: TC-08 recorder and TC-08 player USB Interface	Per module
4.	<b>Anemometer</b> Display Air Velocity ( 1 cm/s to 10 m/s) Selectable averaging function of 5, 10, or 13 second intervals Fold up protective housing extends to 9" (229mm) for better reach, Tripod mount Stores/recalls up to nine sets of three readings in nonvolatile memory Time-stamps and saves up to 20,000 data points at user-selected sampling rate from 5 seconds to 1 hour Included USB cable and interface/data logging software enable transfer of stored data logs from the meter's internal memory to a PC for tabular or graphic display and analysis Data Hold with Auto power off	Per piece
5.	<b>Emergency lights, portable, atleast 18W fluorescent</b> 18 w Fluorescent Tube, auto on during power failure, natural colour rendering, overcharge and deep discharge protection for prolonged, battery life, 4 hrs of Back up lighting, light output: 250 Lm, Normal Working Voltage-110-270V, Frequency: 50-60Hz.	Per piece
6.	<b>Termireactors</b> Rectangular boxes of following dimensions, made of G.I of thickness 24 gauge; provided with two handles for lifting; the base of the box to be perforated throughout with holes of 1 cm diameter at one inch distance from each other and also the sides of the box to be perforated similarly to a height of upto 30 cm (as per drawing, attached)	
	i) 4.5 ft x 2 ft x 2 ft	Per piece
	ii) 2 ft x 1 ft x 1 ft	Per piece
	iii) 1.5 ft x 1 ft x 1 ft	Per piece
7.	<b>Variable speed pump</b> Single phase, 1hp 1400 rpm, 240 V, 50Hz, Portable	Per piece
8.	<b>Wastewater pump</b> At least 3 HP rated, self-priming, portable electric pump having a maximum operating head of 15 m and minimum discharge of 1000 L/min. Pump inlet and outlet diameters should be not more than 2 inches in diameter. Weight should be not more than 30 kg. Should have oil alert and flow control. Should have at least 6 month warranty.	Per piece
9.	<b>Circular plastic pump</b> 5 liter capacity, about 25 cm diameter, 10 cm height	Per piece
10.	<b>White plastic sheet</b> (>1mm thickness)	Per piece
11.	<b>Plastic container with screw-on lid</b> Transparent, dia not less than 10 cm, height about 30 cm, Shripet make or equivalent	Per piece

12.	<b>Plastic container with screw-on lid</b> Transparent, dia not less than 10 cm, height about 15 cm, Shripet make or equivalent	Per piece
13.	<b>Plastic container with screw-on lid</b> Transparent, dia not less than 10 cm, height about 8 cm, Shripet make or equivalent	
14.	<b>Surgical rubber glove</b> Disposable gloves, less than 1mm thick	Per piece
15.	<b>Stainless steelbucket</b> of 22 gauge thickness, 10 L capacity	Per piece
16.	Stainless steel bucket of 22 gauge thickness, 20 L capacity	Per piece
17.	Disposable vinyl gloves (50 pairs per box)	Per box
18.	Spray nozzle equipped plastic bottle, 1 L capacity	Per piece
19.	Teflon coated shears with 8 in blades, for cutting twigs/shrubs etc	Per piece
20.	Hacksaw having steel frame, blade length 30.5 cm	Per piece
21.	Disposable face masks (50 masks per pack)	Per pack
22.	Shovel	Per piece
23.	Elbow length gloves of at least 16 inch, acid and alkali proof	Per pair
24.	Suction pipe for pump, of 2 inch diameter	Per feet
25.	Mild steel angles - 1 inch x 1 inch	Per feet
26.	Mild steel bars - 1 inch	Per feet