

Tender Document

**PONDICHERRY UNIVERSITY
PURCHASE AND STORES
(R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)**

SCHEDULE OF TERMS & CONDITIONS

Sub: Supply of Major Equipments for the Department of Food Science and Technology- Reg.

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Schedule of Requirements

Sealed tenders are invited under **two bid systems** for Major Scientific Equipments as per the technical details and specifications given below: -

Specifications & Allied Technical Details

S. No.	Name of the Equipment with Specification	Qty.
1.	<p><u>RTE RETORT FOR CANNING WITH UTILITIES</u></p> <p>Pilot retort of 25 kg capacity (100 pouch capacity approx.) PLC based RTE retort with utilities that is immensely useful in developing RTE recipes by enabling the user to set process parameters like the pressure to be used, the peak sterilization temperature and the process period for optimum results at most economical cost. It should also contain features like low energy consumption, provision to choose operating parameters, PLC based fully automated temp and pressure controls during sterilization, pneumatically actuated tangential door locking system etc. The steam and air injection should be through nozzles distributed along the length of the retort ensures minimum temp gradient during sterilization period. The plant should be completely made of SS 304 and should have a pleasing look with the following technical specifications:</p> <ol style="list-style-type: none">1. Capacity : 25 Kg (100 pouch capacity approx.)2. Products : Canned, Pouched & Bottled3. Max op. Temp : 125° C4. Max op. Pressure : 2.5 Bars5. Technology : Steam Air6. Design data : Data to be furnished by vendor7. Power required : To be specified8. Accessories : 100kg/hr automated boiler (diesel fuel), suitable insulation with SS cladding for a pleasing look Coolant Pump, SS Overhead tank for coolant water, heat Exchanger, pressure gauges, Digital Thermometer, Safety features. Supporting structure in MS, cladding for a pleasing look. Fan, steam air pre mix, preheater for air, independent feeders for air and steam. <p>To process products in cans, pouches and glass bottles. Provision to cool glass bottles without breakage due to Thermal shock - method to be specified by vendor.</p>	1

	<p>9. Control System : Fully automatic by a PLC based system with PC Systems to choose process parameters, live display of Time, temp. and Pressure, F₀ Value data. Provision to print the data. Automatic preprogrammed Temp based pressure control for heating and cooling mode.</p> <p>10. Material of construction : SS 304</p> <p>11. Utilities to be supplied along with : Air compressor, Retort pouch Sealing Machine, Canning Accessories for a capacity of 25 cans per min comprising double seamer (can still type) With accessories, rotary flat can body reformer with suitable Rollers, hand flange, treadle embossing machine round can body feeder Automatic volumetric filling machine for pouches with accessories and SS table 6 ft x 3 ft</p> <p>12. Consumables : Suitable Canning materials for 10000 cans & 5000 retort pouches</p> <p>13. Scope : Design, manufacture Supply, Erection site work if any and commissioning</p>	
2	<p><u>SHELF FREEZE DRYER</u></p> <p><u>Specifications:</u></p> <p>Sq. product chamber size: 400 x 400 x 300 mm (or nearer to this)</p> <p>No of usable shelf : 2</p> <p>Shelf area : 0.20 sq.m (or nearer to this)</p> <p>Shelf size : 275 mm x 350 mm (or nearer to this)</p> <p>Shelf clearance : 73 mm (or nearer to this)</p> <p>Shelf Temperature : -70°C (pre-freezing) to +60°C or ± 5°C</p> <p>Condenser Temperature: -85°C ± 5°C</p> <p>Max ice condenser capacity: 5 kg. (or nearer to this)</p> <p>Max. sample capacity : 5 Litres (or nearer to this)</p> <p>With Communication port for process data recording, suitable Vacuum pump, Oil mist filter, 4-Port flask manifold with adapters (with one set of flask), Ampoule adapter (with 12 ampoules)</p> <p>MATERIAL OF CONSTRUCTION:</p> <p>Product Chamber : SS 316L</p> <p>Condenser chamber: SS 316L</p> <p>Shelves : SS 316L</p> <p>Shelf Type : Hollow fluid circulation type</p> <p>CONDENSER:</p> <p>Max ice capacity : 5 kg</p> <p>Volume : 7.2 Litres</p> <p>Defrost : Hot Gas</p> <p>REFRIGERATION:</p> <p>Method: Direct expansion refrigerating circuit.</p>	1 No.

	<p>Refrigerant: CFC Free.</p> <p>Compressor: 1.5 kW, hermetically sealed, air cooled, arranged in cascade.</p> <p>HEATING:</p> <p>Indirect heating through thermic fluid.</p> <p>Heater: 0.5 kW – cartridge type</p> <p>Vacuum pump: 200 LPM, direct drive, two stage, oil sealed with oil mist filter .</p> <p>CONTROLS:</p> <p>Shelf Temp. : Programmable Controller with ramp & soak facility</p> <p>No of probes: 5 (1 for condenser, 1 for shelf & 3 for the product tray)</p> <p>Vacuum: Digital pirani gauge</p> <p>Vacuum control: set point control through manual fine control needle valve.</p> <p>Size: Width 1050 mm x Depth 750 mm x Height 1100 mm (or nearer to this).</p> <p>Power: 220-240V, 50Hz, 1 Phase. Max : 3 KW</p> <p>Solenoid acting isolation valve should be provided between the vacuum pump and the condenser chamber, which prevents back streaming of pump oil into the condenser chamber in the event of power failure. All the instruments and compressors should be provided with necessary OEN relays and MCB</p>	
3	<p><u>SPECIFICATION FOR ENVIRONMENTAL SHAKER</u></p> <p>Shaker with provision for gentle shaking; permanent Magnet DC Motor with toothed belt for noiseless operation; temperature control through key board with visual and audio alarm for temperature deviation; universal tray to accommodate at least 36 Nos of 100 ml (or) 25 Nos. of 250 ml. (or) 16 Nos. of 500 ml. (or) 9 Nos. of 1000 ml. (or) 4 Nos. of 2000 ml (or) test tube racks; stationary tray to keep petri dish; shaking Frequency 30 - 350 RPM; shaking deviation $\pm 2\%$ of the Set Value; Diameter of Orbital Motion 25 mm; Universal Tray Size 420 x 420 mm, digital RPM Indication; temperature range 15° to 60° C; Temperature Accuracy $\pm 0.1^\circ$ C; transparent door to view the culture; Compact design; external dimension in mm should not exceed: (560 W x 770 D x 1030 H), Company must be ISO 9001-2008 certified and CE certified to comply international safety measures.</p>	1 No.

TERMS AND CONDITIONS

I. General Information: -

1. Last date and time of receipt of the Tenders: **19.12.11, 3.00 PM**
2. Date & Time of opening of Department-wise Tender: **21.12.11, 3.30 PM**
3. Tender Document fee and EMD rates: -

S. No.	Equipments	Tender Document fee	E.M.D.
I.	For Major Scientific Equipments (collectively for all the Departments)	Rs.500/-	Rs.50,000/- (*)

4. **Two bid systems** have to be strictly followed. (One for Technical bid and another for commercial bid to be submitted in separate covers)
5. 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.
6. 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 backup support, additional warranty, offer of additional / special features, Compatibility with the existing System, Training, etc.
7. 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.**
8. The Photo Copies of the Bank Instruments on payment of EMD should be attached with each bidding covers.
9. The tender / quotation must be submitted along with the stipulated tender document fee and EMD in the sealed cover, super-scribing the name of the Department / Centre for whose equipments the tender is quoted for.
10. 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.
11. The tenders should be addressed to the
Head (i/c) ,
DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY,
PONDICHERRY UNIVERSITY – 605 014
The examples for super-scribing the envelopes of the different categories of tenders are given below: -

For Major Scientific Equipments: -

Tender submitted under two bid system for the Department of Food Science and Technology

Name of the Equipment: _____

To

**Head (i/c) ,
DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY,
PONDICHERRY UNIVERSITY
R.V.Nagar, Kalapet,
Puducherry- 605 014**

From

Supplier's Address

The tenders sent through fax / e-mail will not be accepted.

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 Department of Food Science and 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 Department of Food Science and 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 been in existence for at least six years as on the date of this tender and must have executed at least three orders for this kind of equipment during the last three years.

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 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.

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 safe guard 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: -

S. No.	Name of the Department	Name of the Heads	Contact Numbers
1.	Department of Food Science and Technology	Dr. H.Prathap Kumar Shetty, Head (i/c) (or) Dr. S.J.D.Bosco,Reader	0413-2654624 0413-2654623

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 Puducherry** 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 born 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: 28.11.11

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