



PONDICHERRYUNIVERSITY

(A Central University)

(www.pondiuni.edu.in)

Kalapet, R.V. Nagar

Puducherry-605 014

Tender Notice for Laboratory Equipments

Pondicherry University invites sealed tenders under Single Bid system (Technical and Commercial) for purchase of CHEMIFLUORESCENT WESTERN BLOT IMAGING SYSTEM WITH SAMPLE PREPARATION UNIT. The complete details are available on the University website: www.pondiuni.edu.in.

The last date and time for submission of tenders is **26th March 2019 at 3.00 pm.**

Principal Investigator, SERB EMR project
Department of Biochemistry and Molecular Biology

TENDER DOCUMENT

PONDICHERRY UNIVERSITY
(A Central University)
(R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)

SCHEDULE OF TERMS & CONDITIONS

PU/BMB/CS/2018-19/SERB-EMR/EQ/WB

Date: 12.03.2019

Sub: Supply of Scientific Equipment – Department of Biochemistry and Molecular Biology –
SERB EMR project - Reg.

Schedule of Requirements

Sealed tenders are invited under a single bid system for supply of Scientific Equipments under SERB EMR project to Dr. C. Subbulakshmi, Principal Investigator, Department of Biochemistry and Molecular Biology, Pondicherry University, Puducherry 605014. The last date for the submission of tender is **26th March 2019, 03.00 PM**. The technical details and specifications are given below:

Code: PU-BMB-CS-SERBEMR-EQ-2018

CHEMIFLUORESCENT WESTERN BLOT IMAGING SYSTEM with SAMPLE PREPARATION UNIT

SPECIFICATIONS OF CHEMIFLUORESCENT WESTERN BLOT IMAGING SYSTEM

- CCD model: Peltier cooled CCD
- Cooling: Three –stage thermo electric Module with air circulation
- CCD Operating temperature: -55° C to -25°C
- Cooling down time: < 5 min
- Lens model: f/0.65 to f/0.75
- Dynamic range: 16-bit , 4.8 orders of magnitude
- CCD resolution (native resolution): more or equal to 2800 × 2200, 6 or more Mpixel
- Operation: Fully automated (auto exposure, no focus or other adjustment or calibration needed)
- Capture modes: Automatic, semi-automatic, manual, Incremental and advanced

- Exposure time: 1/100 s and more
- Image output: Gray scale 16 bit tif, Color image jpg, Gray scale jpg
- Sample size: 18 × 20 cm or more
- Light sources: Epi-White light, Epi-blue light: 460 nm; Epi-green light: 520 nm; Epi-red light: 630 nm
- UV trans-illumination light: 312 nm
- Computer controlled automatic Chemiluminescence system which must also be capable for multiplexing in visible fluorescence imaging of Western blot.
- System should allow imaging of DNA/RNA gels and colorimetric protein gel with extensive analysis tool for molecular weight calculation, band distance, colony counting, etc.
- System must allow to perform repetitive serial mode imaging and the output must be series of images accompanied by Chemiluminescence signal kinetics graph and video kinetics for determining optimum exposure and image acquisition time point.
- System should have better technology to visualize faint bands thereby increased sensitivity with no visible light background while performing gel documentation.
- System should allow tryptophan UV activation based protein gel imaging.
- Imaging processing should include handling background correction, artifact removal and flat field.
- Software should provide options various resolution modes, including native full resolution 1x1 binning must with choices for 2x2, 3x3, 4x4, 8x8 binning modes.
- Gamma control option is a must to bring in linearity between black & white scale in the image, ensuring to detect the bands even with least signal
- Interface must be USB 3.0 for faster image transfer to help image before signal gets weaker.
- Should be a lab proof compact design; require minimal bench space, robust and chemical resistant system made of Stainless steel, aluminum and steel.
- Pre-calibrated focus for all defined sample height. Easy and convenient adjustment of lens settings.
- Light safety switch override for safety and for preparative work when the door is open.
- Software must be multi-user licensed, should be a single software for instrument operation, image data acquisition and image analysis.
- Should supply suitable computer with minimum i5 processor, 6GB RAM, 1TB hard disk with accessories.
- System should be quoted with at least three years of warranty and may be extended up to 5 years.

SPECIFICATIONS FOR SAMPLE PREPARATION UNIT

- Compact centrifuge for speed up to 17,500 rpm.
- Relative Centrifugal for RCF: Max.30130Xg.
- Temperature range -11°C to + 40°C.
- The machine should be quoted along with following Rotors.
 - Fixed Angle Rotor for 30 X 1.5/2ml tubes with $\geq 14,000$ rpm and ≥ 20800 Xg.
 - Adapters for 0.2ml and 0.5ml micro-centrifuges for 30 positions.
 - 6 x15/50ml ml falcon tube rotor with ≥ 7800 RPM and 7700Xg.
- Centrifuge machine should be manufactured as per IVD directive.
- Dials and digital display for easy setting.
- Acceleration time to max. rpm: <14 s.
- Should have 50 programs memory capacity.
- Rotor should run with or without lid.
- Automatic rotor recognition with speed limitation.
- Soft break function for smooth stopping of rotor.
- The machine should have automatic switch-off function/ indication (beep alarm) after particular time.
- Facility for pre-setting the program and Separate Short Spin Key.
- Built-in condensation drains to eliminate water accumulation & prevent corrosion.
- Should have brushless motor and automatic imbalance detections for customer safety.
- Should have autoclavable rotors and motorized lid latch.
- Machine should have options for future up-gradation for different types of rotors, like 96 well PCR plate rotor and PCR strips rotor.
- **The quote must include a suitable split Air Conditioning (AC) unit (1.5 Tons) with stabilizer or UPS to maintain ambient temperature for the instruments.**

TERMS AND CONDITIONS

I. General Information: -

- 1. Last date and time of receipt of the Tenders: 26.03.2019, 3.00 PM**
- 2. Date and Time of opening of Tender: 26.03.2019, 3.30 PM**
- 3. Tender Document fee Rs. 1000/-**
- 4. EMD rates: 2.5% of the quoted price.**
- 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 tender 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.
- 6. The Tender Document Fee and EMD should be submitted in a separate cover superscripting **Bank Demand Draft and which should be enclosed with the technical bid.****

8. The tender / quotation must be submitted along with the stipulated tender document fee and, EMD in the sealed cover, super-scribing “**Tender – SERB EMR project, Department of Biochemistry and Molecular Biology**”.

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 tenders should be addressed to **Dr. C. Subbulakshmi, Principal Investigator, SERB EMR project, Department of Biochemistry and Molecular Biology, Pondicherry University, Puducherry 605 014.**

11. Quotations will not be accepted through fax / e-mail.

II. Common Conditions

1. Purchase of Tender Document:

The Tender document can be downloaded from the University website **www.pondiuni.edu.in**. The downloaded application should be accompanied with the tender document fee, in the form of a Demand Draft. Separate technical and price bid should be submitted.

2. Price Schedule

The bidder must quote for the entire equipments required for the SERB EMR Project. 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 respective Department, 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 three to ten years as on the date of this tender.

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.

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 **three years from the date of putting the system into operation** at the Pondicherry University.

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 60 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 two 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 two to three days from the date of installation with an expert team.

27. For any clarification with respect to technical specifications, please contact the Principal Investigator as per the details given below: -

Dr. C. Subbulakshmi,
Principal Investigator, SERB EMR project,
Department of Biochemistry and Molecular Biology,
School of Life Sciences,
Pondicherry University,
Puducherry-605014.
Tel: +91-413-2654339, Email: csubbulakshmi@gmail.com

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 favor 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 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 up to 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

Date: 12.03.2019

PRINCIPAL INVESTIGATOR,
SERB EMR Project.

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 _____ 201_ 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:

(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:

ANNEXURE - II
BIDDER'S WARRANTY

The Registrar, Pondicherry University, Puducherry invited Bid Document for supply and installation of the equipment(s) namely, _____ at _____,

Thereinafter referred to as "The Bidder" having carefully studied all the bid documents, Specifications, etc. accompanying the tender for supply of the above mentioned Equipment and desirous to submit the bids as per the Tender Document advertised vide Notification No. PU/FST/EQ/XII Plan/2014-15/ dated 10.04.2015

DO HEREBY WARRANTY THAT

1. The bidder is familiar with all the requirements of the bid documents.
2. The bidder has investigated the site and satisfied, he regarding the character and scope of the work and local conditions that may affect the supply or its Performance.
3. The bidder is satisfied that the supply can be performed and completed as required in the contract.
4. The bidder accepts all risk directly or indirectly connected with the performance of the contract.
5. The bidder has had no collusion with other contractors, with any of the men of Pondicherry University, Puducherry, or with any other person in preparation of the bid.
6. The bidder has not been influenced by any statement or promise of the Officials of Pondicherry University, Puducherry, but only by the bid documents.
7. The bidder is financially solvent.
8. The bidder is experienced and competent to perform the contract to the satisfaction of the Coordinator, Central Instrumentation Facility, Pondicherry University, Puducherry.
9. The statements submitted with the bid are true.
10. The contractor is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
11. All the terms & conditions of the Supply Order will bind the bidder once his quote is accepted and supply order issued.