



# Vallabhbhai Patel Chest Institute

## University of Delhi

No.VPCI/PUR/BSL3/2023/EOI

Date: 23.11.2023

### Expression of Interest (EOI) for setting up of BSL3 facility on Turnkey Basis

The Vallabhbhai Patel Chest Institute (VPCI) is a postgraduate medical institution devoted to research, teaching and patient care in the field of chest diseases. The Institute is proposing to establish a BSL3 facility for the Department of Microbiology, in its premises. The area proposed for the facility will be 720 sq ft. The Authority invites a non-committal Expression of Interest from reputed vendors for the supply and installation of BSL3 facility. The Project will be awarded on a 'Turn Key' basis through an open competitive process.

The last date of submission of the EOI bid shall be 14<sup>th</sup> December, 2023 and prospective Bidders are invited on 27<sup>th</sup> December, 2023 at the Seminar Room, Paintal Memorial Golden Jubilee Auditorium, to make presentation followed by discussion with the VPCI Technical Committee on Technology, Features, Design, Utility, Technical Parameters clientele etc. on the proposed requirement. For more details like eligibility criteria, pre-qualification requirement, selection criteria etc., please refer to our website [www.vpci.org.in](http://www.vpci.org.in).

Interested Engineering, procurement and construction (EPC) agencies may forward their proposals at [bslvpci@gmail.com](mailto:bslvpci@gmail.com) or submit hard copies to the Office of Deputy Registrar (VPCI) during working hours (Monday to Friday) from 10.00 am to 05.00 pm and may also contact Prof. Mandira Varma Basil, Department of Microbiology, VPCI (Phone : 011-27402417) for further information within 15 working days (Monday to Friday from 10.00 am to 05.00 pm) from the date of publication of the Expression of Interest. **All bidders who had made presentations on earlier occasions need to apply afresh.**

cbc 17169/12/0017/2324

Deputy Registrar, VPCI





# वल्लभभाई पटेल चेस्ट इंस्टीट्यूट दिल्ली विश्वविद्यालय

नं. वीपीसीआई/पीयूआर/बीएसएल 3/2023/ईओआई

दिनांक: 23.11.2023

## टर्नकी आधार पर बीएसएल 3 सुविधा की स्थापना के लिए अभिरुचि की अभिव्यक्ति (ईओआई)

वल्लभभाई पटेल चेस्ट इंस्टीट्यूट (वीपीसीआई), एक स्नातकोत्तर चिकित्सा संस्थान है जो कि वक्ष संबंधी बीमारियों के क्षेत्र में अनुसंधान, अध्यापन तथा मरीज देखभाल के लिए प्रतिबद्ध है। संस्थान अपने परिसर में माइक्रोबायोलॉजी विभाग के लिए बीएसएल 3 सुविधा को स्थापित करने का प्रस्ताव कर रहा है। सुविधा के लिए प्रस्तावित एरिया 720 वर्ग फीट है। प्राधिकारी द्वारा बीएसएल 3 सुविधा की आपूर्ति तथा प्रतिष्ठापन के लिए प्रतिष्ठित वेंडर्स से एक नॉन-कमिटल अभिरुचि की अभिव्यक्ति आमंत्रित की जाती है। परियोजना एक खुली प्रतिस्पर्धी प्रक्रिया के माध्यम से 'टर्नकी' आधार पर अवार्ड की जायेगी।

ईओआई जमा करने की अंतिम तिथि 14 दिसम्बर, 2023 है तथा संभावी बोलीदाताओं को 27 दिसम्बर, 2023 को सेमिनार रूम, पैन्टल मेमोरियल गोल्डन जुबली ऑडिटोरियम, में प्रस्तावित आवश्यकता पर प्रस्तुति (प्रजेन्टेशन) करने तदुपरान्त वीपीसीआई टेक्निकल कमेटी ऑन टेक्नोलॉजी, फीचर्स, डिजाइन, यूटिलिटी, टेक्नीकल पैरामीटर्स क्लाइअन्टेल आदि के साथ चर्चा करने के लिए आमंत्रित किया जाता है। अधिक विवरण जैसे कि पात्रता मानदंड, पूर्व-अर्हता आवश्यकता, चयन मानदंड आदि के लिए कृपया हमारी वेबसाइट: [www.vpci.org.in](http://www.vpci.org.in) देखें।

इच्छुक इंजीनियरिंग, प्रापण तथा निर्माण (ईपीसी) एजेंसिया अपने प्रस्ताव अभिरुचि की अभिव्यक्ति के प्रकाशन की तिथि से 15 कार्य दिवसों (सोमवार से शुक्रवार प्रातः 10.00 बजे से सायं 05.00 बजे तक) के अंदर [bslvpci@gmail.com](mailto:bslvpci@gmail.com) पर अग्रसारित कर सकते हैं अथवा हार्ड प्रतियां कार्यालय: डिप्टी रजिस्ट्रार (वीपीसीआई) के पास कार्य दिवसों (सोमवार से शुक्रवार) के दौरान प्रातः 10.00 बजे से सायं 05.00 बजे तक जमा कर सकते हैं तथा अधिक जानकारी के लिए प्रो. मंदिरा वर्मा बासिल, माइक्रोबायोलॉजी विभाग, वीपीसीआई (फोन नं.: 011-27402417) से संपर्क कर सकते हैं। सभी बोलीदाता जो कि पूर्व अवसर पर प्रस्तुतियां कर चुके हैं, को नये सिरे से आवेदन करने की आवश्यकता है।

सीबीसी 17169/12/0017/2324

डिप्टी रजिस्ट्रार, वीपीसीआई



No.VPCI/PUR/BSL3/2023/EOI

Date:

**Expression of Interest (EOI) for setting up of BSL3 facility on Turnkey Basis**

The Vallabhbhai Patel Chest Institute (VPCI) is a postgraduate medical institution devoted to research, teaching and patient care in the field of chest diseases. The Institute is proposing to establish a BSL3 facility for the Department of Microbiology, in its premises. The area proposed for the facility will be 720 sq ft. The Authority invites a non-committal Expression of Interest from reputed vendors for the supply and installation of BSL3 facility. The Project will be awarded on a 'Turn Key' basis through an open competitive process.

The last date of submission of the EOI bid shall be 14<sup>th</sup> December, 2023 and prospective Bidders are invited on 27<sup>th</sup> December, 2023 at the Seminar Room, Paintal Memorial Golden Jubilee Auditorium, to make presentation followed by discussion with the VPCI Technical Committee on Technology, Features, Design, Utility, Technical Parameters clientele etc. on the proposed requirement. For more details like eligibility criteria, pre-qualification requirement, selection criteria etc., please refer to our website [www.vpci.org.in](http://www.vpci.org.in).

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Deputy Registrar, VPCI



No.VPCI/PUR/BSL3/2023/EOI

Date: November 2023

**Expression of Interest (EOI)  
For  
Procurement of “BSL3 facility”**

**1.0 Invitation of EOI:**

Vallabhbhai Patel Chest Institute (VPCI) intends to call non-committal expression of interest bids for the supply and installation of **BSL3 facility on turn-key basis** in VPCI.

Potential vendors should provide detailed activities time schedule, mentioning the shortest practical time to complete all necessary tasks and meet the obligations of the requirements. All significant activities must be included, including those associated with the delivery, acceptance testing, installation and commissioning of the equipments/ products and quality certifications.

**2.0 Schedule of requirement:** The broad feature of the proposed instrument is as follow:

Sl No	Name of the item	Broad Features
01	<b><u>Installation commissioning, validation, operation and maintenance of Biosafety Level-3 Laboratory at VPCI on Turnkey basis</u></b>	<b>Planning designing construction, supply, installation, testing and commissioning (SITC) of equipment, commissioning and validation of facility, operation and maintenance of BSL-3 facility at VPCI, University of Delhi, Delhi. Proposed area for setting up facility is approx.. 720sq FT. with RCC framed structure. (Detail Broad Features attached at Annexure ‘C’)</b>



**Note:** The broad features enumerated above or at Annexure 'C' are just indicative in nature and in no way, they convey the final specification or technical features of the proposed equipment, which shall be devised by the technical committee of VPCI after a detailed exercise enumerated in Para 6.0 below. The purpose of the broad feature is to draw an outline of our requirement, on the basis of which the proposing firms shall conceive a solution for VPCI and submit the EOI bid accordingly.

### **3.0 Eligibility Criteria/ Pre-qualification Requirement (EC/PQ)**

- I. The Bidder should be a manufacturer/system integrator who must have designed, manufactured, tested and supplied the equipment(s) similar to the type required in VPCI or a dealer exclusively authorized by the manufacturer to quote on their behalf for this bid or Indian agents of foreign principals.
- II. The bidder should have executed **at least three BSL3 facilities for 600 SQ feet or more area on turnkey basis successfully, along with CAMC**, during the preceding seven financial years at any CSIR/ ICAR/ ICMR/DAE/ DRDO/ DST/DBT/IIT/other Govt or autonomous research Labs in India.
- III. The bidder should have their own service support network in India and should have a competent manpower to handle any technical issue arising during warranty or post-warranty periods to ensure a continuous trouble-free operation of the equipment/facility.

### **Pass-Fail criteria**

Only those bidders who will pass the above EC/PQ requirements shall be allowed for making presentation and further participation.

**Note: No EMD is required for submission of this Expression of Interest bid**

### **4.0 Submission of & marking of the EOI:**

The bidder is expected to furnish all relevant information in the columns of the "Bidder Response Outline Sheet" provided at Annexure "A" along with the filled in check-list provided at Annexure "B" and any other information relevant to this project which may be a factor behind considering him for short listing for this project. Interested parties MUST submit their response regarding setting-up of BSL-3 facility as detailed above in hard copy on official letterhead, signed by an authorized signatory, addressed to **The Director, VPCI, University of Delhi, Delhi-110007, India**, placed in a sealed cover marked as **BSL3 Lab**.

### **5.0 Presentation and Technical Discussion:**

The vendors will also be required to give a power point presentation on the solution conceived by them for the VPCI. During the presentation, a detailed technical discussion shall be held between the VPCI technical team and the representative/s of the bidding firm on 27.12.2023 from 11:00 onwards in the Seminar Room, Paintal Memorial Golden Jubilee Auditorium, VPCI. Hence, the bidders are advised to depute technically competent personnel for the presentation so that a comprehensive discussion on the subject can be possible. The average time for presentation shall be 30 minutes for each prospective bidding firm.

### **6.0 Evaluation and Selection Criteria:**

The EOIs received from all the bidders shall be evaluated on the basis of the eligibility criteria enumerated above.

On the basis of the presentations given by the eligible bidders and the Bidder Response Outline Sheet information provided by the bidder as per this document, the technical committee

shall draw detail technical features and specification for the equipment keeping in view the requirement of VPCI and also pre- qualification/Eligibility criteria, if any for participation in the bidding. A detailed Tender Document/RFQ shall be prepared on the basis of the specifications and the PQ/EC thus finalized will be a non-committal EOI bidding. Only the bidders who have participated in the presentations will be invited for the tendering process. Evaluation of the received bids will be done on the basis of the tendered specifications and the lowest evaluated responsive bidder (L1) shall be awarded the contract.

Details of the Annexure to this document:

Annexure “A”: Bidder Response Outline Sheet

Annexure “B”: Checklist for Submission of expression of Interest

Annexure “C”: Tentative Requirement and specification.

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## **Annexure “A”**

### **Bidder Response Outline Sheet**

The EOI bidders are required to provide the required information in the bidder response outline sheet here which, along with their presentation content. All the headings indicated below must be addressed in the sequence shown, providing as much relevant detail as possible. Additional headings and information may be provided by the proposing supplier where they are required to include additional details or explanations.

Sr. no.	Item Head	Bidder Response (Please make a reference here to any sheet attached separately)
1.	Description Of The Proposing Vendor (Specifically include legal status, ownership, and the name of the person within the company who is responsible for this project.	
2	Descriptions Of Any Proposed Third Parties (Provide similar information to that required in 1 above).	
3.	Relationships Between Proposing Vendor And Any Nominated Third Parties. (Provide descriptions of the trading, commercial and legal relationships with any third party nominated in the response.)	
4.	The Proposing Supplier's General Understanding Of The Requirements And The Proposed equipment details including the average life-span of the equipment/facility (Separate sheet may be attached, if need felt)	
5.	The Main Features Of The Proposed Solution And Any Areas Of Risk	

6.	Upgrade Strategy (Describe the strategy suggested for future upgrade of the supplied systems and any impact this strategy may have on operation etc.)	
7.	Implementation Activities And Timing (Provide detailed time schedule for the proposed implementation activities including the delivery & installation)	
8.	Maintenance And Support (Describe the maintenance and continuing technical support services, escalations etc that will be provided for the proposed systems till the life- span of the equipment/facility. Mention the address and other contact details in India).	
9.	Benchmarking/Testing Procedures (Details of the proposed benchmarking/ testing procedures for the systems).	
10.	Warranties and Guarantees (if any) (please provide standard conditions and extension chances of the warranty)	
11.	Experience In Appropriate Fields (Experience of the proposing supplier in the supply, installation and maintenance of similar systems environments).	
12.	References Details of relevant references (including contact names and numbers)	
13.	Patents/ design patents /registered designs/ registered trademarks etc. awarded to your product/system (Name the component for which patents, design patents etc. has been awarded. Separate sheets/docs may be attached)	
14.	Certified safety and quality standards	



	(please provide the details of the safety and quality standard certificates provided to you or applicable to you)	
15.	Payments Schedule And Trading Terms (A description of the proposing vendors preferred Schedule of Payments and Trading Terms for component, works and services that will be undertaken).	
16.	Other Relevant Information (Any other information, details, and observations that the proposing vendor considers relevant to the understanding and acceptance of their proposed solution).	

Signature

Name of the bidding firm/vendor:

Date :

Rubber seal of the vendor:

### **Annexure "B"**

#### **Checklist for Submission of expression of Interest**

The following check-list must be filled in and submitted with the EOI document:

Sr. No.	Check-points	Yes/No
1.	Whether the details enclosed showing the Bidder is a manufacturer system integrator who has designed, manufactured, tested and supplied the equipment(s) similar to the type required in VPCI or a dealer specifically authorized by the manufacturer to quote on their behalf for this bid or Indian agents of foreign principals.	
2	Whether details enclosed showing the bidder has executed <b>at least three similar orders successfully</b> during the preceding seven financial years at any CSIR/	

	ICAR/ ICMR/DAE/ DRDO/ DST/DBT/IIT/other Govt or autonomous research Labs in India with CAMC.	
3.	Whether details enclosed showing The bidder has its own service support network in India and has a competent manpower to handle any technical issue arising during warranty or post-warranty periods to ensure a continuous trouble-free operation of the equipment.	
4.	Whether all the parameters given in the bidder response outline sheet have been fulfilled?	

Signature :

Name of the Vendor:

Date :

Rubber seal of the vendor:

## **ANNEXURE”C”**

### **TENTATIVE REQUIREMENT AND SPECIFICATIONS**

**Setting up of BSL-3 facility on Turn-key basis including following elements of work.** Planning, designing, construction, SITC of equipments, commissioning & validation of facility, Operation and maintenance of BSL-3 facility at VPCI, University of Delhi, Delhi. Proposed area for setting-up facility is approx. 720Sq. Ft. RCC framed structure.

- (1) May please visit VPCI campus to examine the Institute's existing infrastructure/location of the proposed BSL-3 facility, if needed.
- (2) Please submit the design and specifications of a BSL3 lab as per “International” guidelines.
- (3) Execute the work plan as approved by Institute’s technical committee towards the installation, commissioning, validation, operation and continued maintenance of the BSL-3 facility for a period of five years following installation.
- (4) Obtain and periodically renew certification as per International standards (CDC guidelines) of the premises over a period of five years following installation.
- (5) The scope of work inter alia includes obtaining all the required statutory approval(s) from respective civic/statutory bodies for construction of building and commissioning of the facility.

Interested parties may visit the Institute for preliminary assessment of the proposed site for which they may fix an appointment with Prof. Mandira Varma Basil on any working day. Interested parties must submit their response regarding setting-up of BSL-3 facility as detailed above in hard copy on official letterhead, signed by an authorized signatory, addressed to **The Director, VPCI, University of Delhi, Delhi-110007, India**, placed in a sealed cover marked: **BSL3 Lab to**

The Director  
VPCI,  
University of Delhi,  
Delhi-110007,  
India

The following outline of user requirements is intended to provide vendors with a preliminary assessment of likely infrastructure requirements:

- 1. General:** Single-vendor, turnkey project. Expected Time-line: within 180 days of receipt of confirmed purchase order. Five years maintenance and operation contract, including stationing of one competent person at the premises to undertake routine daily maintenance and periodic preventive maintenance operations. Guarantee of maximum response time of 48h and maximum down time (i.e., period for which the facility remains non-operational) of 72 h is required.
- 2. Internal works:** Anti-static, monolithic PVC flooring, door, window, walkable false ceiling and coving as per approved design. Hermetically-sealed partitions, fumigation-resistant without separator rubber/polymer gasket. Concealed lab wiring and provisions for all necessary electrical items such as micro circuit breaker panels, switches, fluorescent light fixtures, 6/16 Amp wall sockets, 20 Amp industrial sockets, etc. for use by HVAC equipment, lab equipment and general fixtures and fittings. The wiring shall be invariably flame retardant type and all the switches and power outlet shall be modular type. Power backup: Dedicated, true sine-wave backup employing UPS, sufficient for 30 minutes of unattended operation of lab equipment at full load. The whole facility will additionally be backed up by suitable generator set.
- 3. Doors:** Self-closing, air-tight, electrically and mechanically interlocked. One emergency exit.
- 4. Liquid handling and effluent treatment:** One hands-free long-body faucet and 450-460 mm 304 grade stainless steel sink. One eyewash station - both connected to effluent treatment system. Water softener must be provided in-line before line enters into biosafe area. Drain line will have to be connected to effluent treatment system as per Biosafety guidelines.
- 5. Double door autoclave.** High-quality, hypochlorite-resistant, wall-mounted horizontal unit. **Five-year free replacement warranty if corrosion is observed in inner chamber.**
- 6. Heating, Ventilating and Air-Conditioning (HVAC) and Negative Pressure System:** Supplying 'Once-through' air, at the rate of 6-12 air changes/Hr with HEPA / ULPA (99.99%) In/Out filtration. HEPA/ULPA filters should be equipped with removable pre-filters accessible from outside of biosafe area (two sets). Negative pressure difference between passages/corridors and external areas must be at least minus 10 Pascals. Redundant exhaust system. Temperature: 22°C  $\pm$  2°C; RH: 60%  $\pm$  10%. Non-CFC Refrigerants and Electrical heating.
- 7. Building Management System (BMS)** to monitor pressure, temperature and relative humidity, equipped with appropriate alarms. Closed circuit camera monitoring of working area. Telephone and intranet connection with intercom and wireless network

to be provided for one PC.

**8. Equipment and furnishings to be provided in BSL-3 lab:** Pass-boxes, wall-mounted, two-way autoclaves dedicated for in vitro lab and animal lab.

*Design of the BSL-3 lab should have provision for housing the following equipment (part of the indent):*

1. Pass box with Dunk Tank
2. At least five biosafety cabinets (6 feet work area), The BSL3 would be divided into two separate compartments with two and three biosafety hoods each. The compartment with 3 biosafety hoods would be used for work on Mycobacteria. The compartment with two hoods would be for virology and mycology work.
3. Refrigerators 4 deg C (n=3)
4. -20 deg C deep freezer: n=2
5. -80 deg C deep freeze (n=2)
6. Ultra centrifuge (n=1)
7. Refrigerated centrifuge: n=1
8. LPA area:
  - a) Master Mix Room
  - b) Amplification Room
  - c) Hybridization Room
8. CO2 incubator: n=1
9. Incubators: n=1
10. Shaking incubator n=1
11. Shoe rack made of SS with 5 shelves (n=1)
12. Static garment storage cabinet (n=1)
13. SS laboratory stools (n=10)
14. Geysers (25L): n=2
15. Effluent Decontamination System
16. SS Hand wash and Eye wash Station: (n=2)
17. Laboratory Work Station: The work stations shall be provided with the most optimum utilization of space in the laboratories. .
18. Shower system
19. Bionocular Microscope
20. Fluorescent Microscope

All the interested parties shall be required to make detailed Power Point presentation in regard to their respective response for setting up of BSL-3 facility. Parties applying for EOI must have proven record of having established and maintained at least three BSL-3 facilities (600 Square ft or more) on turnkey basis at any CSIR/ ICAR/ ICMR/DAE/ DRDO/ DST/DBT/IIT/other Govt or autonomous research Labs in India.

Responses will be evaluated by an internal committee who will examine the details of authentic and original documents submitted by parties and, after due deliberations, recommend the final specifications for the indent to be floated.

Besides, their respective response in regard to setting-up of the BSL-3 facility, the parties must bring COMPLETION CERTIFICATE & all the original documents for verification on the date of presentation. Parties not having requisite experience as mentioned above shall be summarily rejected and will not be considered for presentation and future empanelment.



Please note that the response to EOI shall invariably be **WITHOUT PRICE QUOTE**.

**For any query during preparation of the bid or the proposed power point presentation, the bidder may contact Prof. Mandira Varma Basil, Department of Microbiology, VPCI (Phone : 011-27402417)**

**Deputy Registrar**