

**UNIVERSITY INSTITUTE OF PHARMACEUTICAL SCIENCES  
PANJAB UNIVERSITY, SECTOR-14, CHANDIGARH**

**TENDER DOCUMENT FOR THE  
REFABRICATION OF CELL CULTURE LAB**

Tender notice No. : 1065/PS dated 02.03.2017

Last Date and Time for receipt of Tender : Monday, 27 March 2017  
upto 4:00 pm

Date of opening of Technical bids in the department : Tuesday, 28 March 2017

Date of opening of the Price bids in the department : Thursday, 30 March 2017

Name of address of the Address of the Person issuing tender: Dr Renu Chadha  
Professor & Chairperson  
University Institute of  
Pharmaceutical Sciences  
Panjab University,  
Chandigarh 160014  
[chairperson.uips@pu.ac.in](mailto:chairperson.uips@pu.ac.in)

Tender Fee Rs 1,000/-

Tender fee of Rs 1,000/- is to be submitted along with the Tender in the form of Demand Draft payable at Chandigarh in favour of The Registrar, Panjab University, Chandigarh.

University Institute of Pharmaceutical Sciences, Panjab University is initiating the process for refabrication of Cell Culture Lab as per the technical specifications given in the Annexure A.

Proforma Invoice is invited from the interested Principals/manufacturers/authorized agents for supply of the same. The proforma invoice should be in triplicate and in the name of Dr Renu Chadha, Professor & Chairperson, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh 160014

### **PROCEDURE FOR SUBMISSION OF BIDS**

There will be **Two bids system** for this Tender: *Technical bid* and *Price bid*

The **Technical Bid** of the Tender should be covered in one sealed cover super scribing the words "*Technical Bid.*"

Likewise, the **Price Bid** should also be covered in a **separate** sealed cover super scribing the words "*Price Bid.*"

**The two documents viz., *Technical bid* and *Price bid* covers prepared as above should be enclosed in a single sealed cover marked as under:**

Tender for the Refabrication of Cell Culture Lab  
27.03.2017 before 4:00 p.m. (last date for submission)  
Name & Address of the Tenderer.....

**Note: Price should not be indicated in the Technical bid otherwise the Tender will be rejected**

The latest date of receipt and hour of the offer in the respective department is 27 March 2017 up to 4:00 p.m.

- (a) The Technical bid shall be opened on 28 March 2017 at 3.00 p.m. The date and time for opening of the Price Bids shall be 30 March 2017 at 3.00 p.m. In case the date of opening of the bids fall on the day which is declared public holiday, these shall be opened on the following day at the same time.
- (b) Only Principals/manufacturers/authorized agents are entitled to submit the Proforma Invoice from the Principals, otherwise the tender shall not be considered. All offers other than those from the manufacturers should be supported by an authority letter.
- (c) Clarifications, if any could be sought from Dr Renu Chadha, Professor & Chairperson, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh 160014, in writing, within the period before the stipulated last date of receipt of the tender.

### **TERMS AND CONDITIONS**

**1. OPENING OF BIDS:** Technical bids will be opened by the Committee after the

closing date and studied. The Tenderers will be invited for presentation and clarifications if needed. Financial bids of the Tenderers complying with the prescribed Technical specifications will be opened by the Committee. Tenderers or their authorized agents may be present if they so desire during opening of the Tenders. The Tendering company should depute the person who is qualified for technical knowledge and be present at the time of opening of the technical bid.

**2. REJECTION OF BIDS:** The Committee reserves the right to reject any or all offers without assigning any reason.

**3. EARNEST MONEY DEPOSIT (EMD)**

- a) The tender must be accompanied with Earnest Money amounting to Rs 12,000/- in a lump sum amount, in the form of Demand Draft on a scheduled bank/term deposit receipt valid for a period of one year from any scheduled bank, in the name of the Chairman, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh. Earnest Money in any other form will not be accepted.
- b) Bids not accompanied by Earnest Money as stated above or less than the amount stipulated above shall be summarily rejected.
- c) Earnest Money/security deposit/any other sums of the tenderers lying with the University in connection with any other tender/case will not be considered against this tender.
- e) The University would return the earnest money mentioned to the successful tendering firm after the expiry of guarantee/warranty.
- f) The University does not pledge itself to accept the lowest tender, and reserves to itself the right of acceptance of the whole or a part of the tender, or portion of the quantity offered, and the tenderers shall be required to supply the same at the rate quoted. The University reserves to itself the right to accept or reject a part or all the tenders without assigning any reason thereof.

**4. GUARANTEE / WARRANTY & AMC/CMC**

Guarantee/warranty shall be quoted for 24 months after installation and 36 months free service to be provided after the warranty period.

**5. PAYMENT TERMS:**

The payment shall be made after completion of the work to the satisfaction.

**6. TIME FRAME:**

Max 90 days for completed and functional lab from the date of order.

**OTHER INSTRUCTIONS**

1. A person signing the tender form or any other document forming part of the contract on behalf of another shall be deemed to warranty that he has authority to bid such tenders and if on enquiry it appears that the person so signing had no authority to do so, the purchaser may without prejudice to other civil and criminal remedies against the contract, hold the signatory liable for all costs and damages and forfeit the Earnest Money.

2. The bids prepared by the tenderer, including all correspondence and documents relating to the bids, shall be written in English language.
3. The contract for the supply of the items is non-transferable.
4. Tender/Offer should be typed instead of handwritten; otherwise the same will be rejected.
5. Each page of the tender document should be signed by the authorized signatory.
6. Each offer should be complete in all respects.
7. Telegraphic/electronic/conditional offers will not be accepted.
8. Rates and service charges should not be quoted in the Technical bid.
9. All pages of the Technical Bid/Price Bid shall be page numbered. In case of triplicate copies, separate copies shall be page numbered separately.
10. Tenders/Proforma Invoices not accompanied by detailed information as required, are liable to be rejected.

**Technical Specifications**  
**REFABRICATION OF CELL CULTURE LAB**

**1. Partition of Lab space: Partitioning of lab space using PUF panels with following specifications**

Partitioning wall made of PUF panel not less than 50 mm thick with epoxy powder coated (60-80 microns) (PUF Insulation density:  $40 \pm 2 \text{ kg/m}^3$  Both Side Skin: 0.60 mm thick Permanently Color coated Galvanized mild steel as per IS: 277, Galvanized Grade 120 GSM / M3. Yield Strength is 240 MPA.). Partitioning Panels should be fire resistant. Ante room 6x8 feet

- a) Ante room 6x8 feet
- b) Sample preparation room 12x8 feet
- c) Analysis room 12x18 feet

**2. Lab Ceiling: Lab false ceiling required at 8.5 feet height from floor with following specifications.**

It should be made of PUF panel not less than 50 mm thick with epoxy powder coated (60-80 microns) (PUF Insulation density:  $40 + 2 \text{ kg/m}^3$  Top Side Skin: 0.60 mm thick Permanently Color coated Galvanized mild steel as per IS: 277, Galvanized Grade 120 GSM / M<sup>3</sup>. Yield Strength is 240 MPA having profile depth 28-30mm with 195-200mm pitch.) The load bearing capacity to be not less than  $150 \text{ kg/m}^2$ .

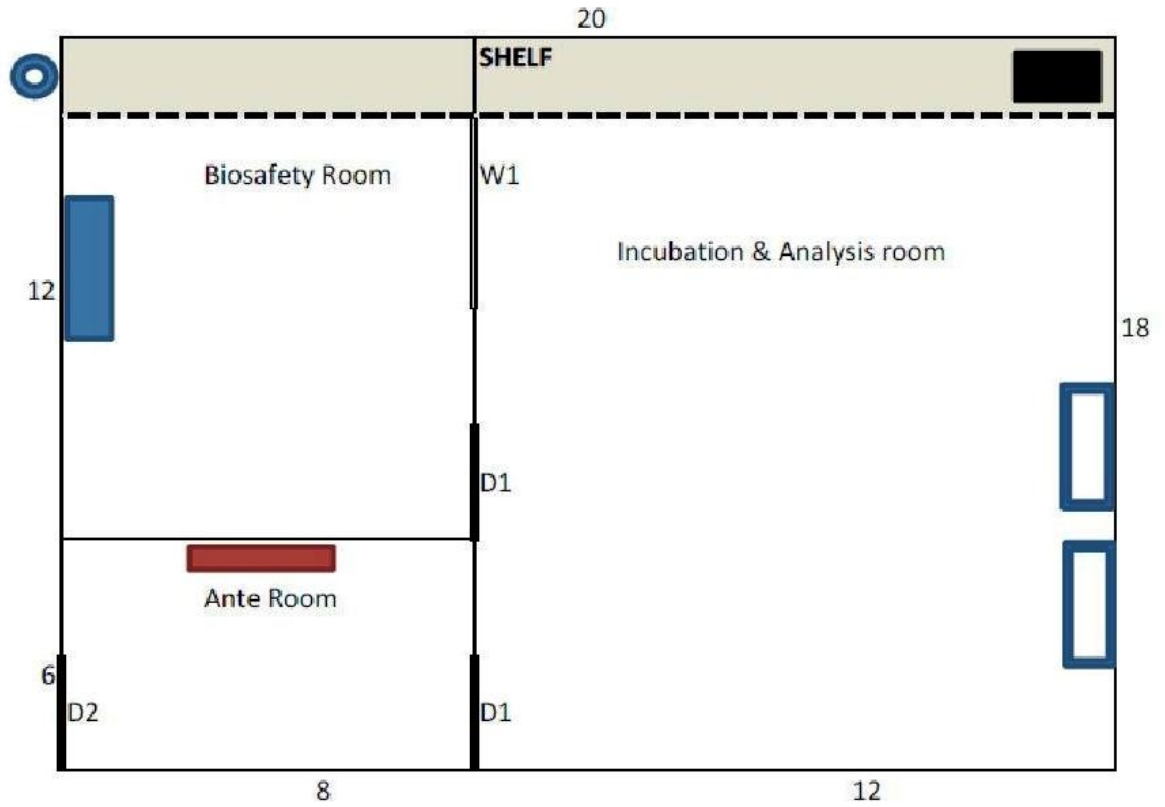
**3. Doors: Complete clean room facility divided into partitions should be connected using door with following specifications.**






- a) Glaze glass window (6mm) of dimension approx. 1mtr x 1mtr compatible with lab should be made in Sample preparation room
- b) Supply & Installation of PUF single leaf lab door complete with all fittings. 1000mm X 2100mm with view panel having not less than 5 mm thick

glass. All Air-Tight Single Doors should be powder-coated (for easy cleaning). The Single door should be installed completely with handle door and closure, automatic bottom seal. **Doors as per drawing.**

- c) Aluminum door, Overall size 1300mm X 2100mm, Swing type, 14 gauge aluminum powder coated, Ivory colour used in doors and frame with 5 mm thick glass and 12 mm thick laminated board with required accessory (Handle, Stopper, Earl, Tower bolt etc.)
  - d) Appropriate door closure should be placed on each door.
4. **Panel sealing: All gaps between panels should be sealed with following material and specifications**
- a) The panel edges should be sealed with Room Temperature Vulcanizing (RTV) Silicone to the structural frame and fasten on both sides to form an airtight sealed panel
  - b) Supply & Installation of PVC coving and flashing, complete with all fittings. Smooth radius coving should be installed at all wall-to-wall, wall to ceiling and wall to floor joints. All seams should be then carefully sealed with RTV sealant.
5. **Flooring:** Providing and fixing floor tiles, fixing with cement: sand mixture, all joints are filled with matching epoxy filling for clean room lab. Size: 550 sq.ft.
6. **Option for fitting of suitable utility and gadgets:** There should be cut-outs on the ceiling and walls to accommodate AC unit, lights, electrical outlets, control panels, monitoring and piping, wherever applicable.
7. **Lighting and lamps:** Supply and installation of clean room compatible lights in the lab. 10W LED.
8. Supply and installation of clean room compatible power sockets and switches to supply power to electronic instruments like Biosafety hood, CO<sub>2</sub> Incubator, Microscope etc.  
(Both 5 and 15 ampere type).
9. Supply and installation of air curtain with sensor at entry of Lab
10. Supply of 2 Stainless steel benches for clean lab made of 14 gauge pipe and sheet on top. Size-72 inch width X 30 inch depth X 30 inch height
11. Supply and installation of one shoe rack in ante room made of 14 gauge pipe and sheet on top. Size-48 inch width X 12 inch depth X 30 inch height

## Drawing of the Cell Culture Lab



- D1      PUF Panel Door 1000 x 2100 mm
- D2      Aluminum Door 1300 x 2100 mm
- W1      Double Glass window 3'x3'
-       CO2 Cylinder
-       Work Bench
-       Biosafety Cabinet
-       CO2 Incubator
-       Shoe Rack

**PRICE BID**  
**REFABRICATION OF CELL CULTURE LAB**

| S. No. | Description of item  | Unit         | Quantity | Rate (in figures) | Amount |
|--------|--|--------------|----------|-------------------|--------|
| 1.     | <p><b>Partition of Lab space: Partitioning of lab space using PUF panels with following specifications</b><br/>Partitioning wall made of PUF panel not less than 50 mm thick with epoxy powder coated (60-80 microns) (PUF Insulation density: 40±2kg/m<sup>3</sup> Both Side Skin: 0.60 mm thick Permanently Color coated Galvanized mild steel as per IS: 277, Galvanized Grade 120 GSM / M3. Yield Strength is 240 MPA.). Partitioning Panels should be fire resistant. Ante room 6x8 feet</p> <p>a. Ante room 6x8 feet.<br/>b. Sample preparation room 12 x 8 feet<br/>c. Analysis room 12x18 feet</p> | Sqr.<br>Mtr. | 40       |                   |        |
| 2.     | <p><b>Lab Ceiling: Lab false ceiling required at 8.5 feet height from floor with following specifications:</b> It should be made of PUF panel not less than 50 mm thick with epoxy powder coated (60-80 microns) (PUF Insulation density: 40+2kg/m<sup>3</sup> Top Side Skin: 0.60 mm thick Permanently Color coated Galvanized mild steel as per IS: 277, Galvanized Grade 120 GSM /M3. Yield Strength is 240 MPA having profile depth 28-30mm with 195-200mm pitch.) The load bearing capacity to be not less than 150kg/m<sup>2</sup>.</p>  | Sqr.<br>Mtr. | 50       |                   |        |
| 3.     | <p><b>Doors: Complete clean room facility divided into partitions should be connected using door with following specifications.</b></p> <p>a) Glaze glass window (6mm) of dimension approx. 1mtr x 1mtr compatible with lab should be made in Sample preparation room</p> <p>b) Supply &amp; Installation of PUF single leaf lab door complete with all fittings.1000mm X 2100mm with view panel having not less than 5 mm thick</p>   | Sqr.<br>Mtr. | 3        |                   |        |
|        |  | Sqr<br>Mtr.  | 5        |                   |        |

| S. No. | Description of item  | Unit      | Quantity  | Rate (in figures) | Amount |
|--------|--|-----------|-----------|-------------------|--------|
|        | <p>glass. All Air-Tight Single Doors should be powder-coated (for easy cleaning). The Single door should be installed completely with handle door and closure, automatic bottom seal. Doors as per drawing.</p> <p>c) Aluminum door, Overall size 1300mm X 2100mm, Swing type, 14 gauge aluminum powder coated, Ivory colour used in doors and frame with 5 mm thick glass and 12 mm thick laminated board with required accessory (Handle, Stopper, Ear, Tower bolt etc.)</p> <p>d) Appropriate door closure should be placed on each door.</p>               | Sqr Mtr.  | 5         |                   |        |
|        |  | Each      | 4         |                   |        |
| 4.     | <p><b>Panel sealing: All gaps between panels should be sealed with following material and specifications</b></p> <p>a) The panel edges should be sealed with Room Temperature Vulcanizing (RTV) Silicone to the structural frame and fasten on both sides to form an airtight sealed panel</p> <p>b) Supply &amp; Installation of PVC coving and flashing, complete with all fittings. Smooth radius coving should be installed at all wall-to-wall, wall to ceiling and wall to floor joints. All seams should be then carefully sealed with RTV sealant.</p> | R. Mtr.   | 50        |                   |        |
| 5.     | <p><b>Flooring:</b> Providing and fixing floor tiles, fixing with cement: sand mixture, all joints are filled with matching epoxy filling for clean room lab.</p>  | Sqr. Mtr. | 50        |                   |        |
| 6.     | <p><b>Option for fitting of suitable utility and gadgets:</b> There should be cut-outs on the ceiling and walls to accommodate AC unit, lights, electrical outlets, control panels, monitoring and piping, wherever applicable</p>   | 5 Mtr.    | 5         |                   |        |
| 7.     | <p>Lighting and lamps: Supply and installation of clean room compatible lights in the lab. 10W LED</p>   | each      | 20 Pieces |                   |        |



| S. No.       | Description of item  | Unit | Quantity  | Rate (in figures) | Amount |
|--------------|--|------|-----------|-------------------|--------|
| 8.           | Supply and installation of clean room compatible power sockets and switches to supply power to electronic instruments like Biosafety hood, CO2 Incubator, Microscope etc. (Both 5 and 15 ampere type). | Each | 15 Pieces |                   |        |
| 9.           | Supply and installation of air curtain with sensor at entry of Lab   | each | 1 Piece   |                   |        |
| 10.          | Supply of 2 Stainless steel benches for clean lab made of 14 gauge pipe and sheet on top.<br>Size-72 inch width X 30 inch depth X 30 inch height   | each | 2 Pieces  |                   |        |
| 11.          | Supply and installation of one shoe rack in ante room made of 14 gauge pipe and sheet on top.<br>Size-48 inch width X 12 inch depth X 30 inch height   | each | 1 Piece   |                   |        |
| <b>TOTAL</b> |  |      |           |                   |        |

Contractor/Company:  
Complete address:

Date:  
Place:

Contact details:

Sign and Seal