

INDIAN INSTITUTE OF SCIENCE EDUCATION AND
RESEARCH-THIRUVANANTHAPURAM
[IISER-TVM]

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KERALA, INDIA.

IISER/PUR/PT/4/11

28th September 2011

INVITATION TO TENDER

Dear Sirs,

SUB: PRE-FAB LAB FURNITURE

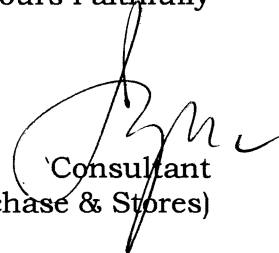
We invite Sealed Tenders for the above Equipment as per 'Schedule' attached.

Please quote your lowest rate and shortest delivery period. "Instructions to Tenderers" [Imports & Indigenous] attached are to be followed strictly.

YOUR OFFER IN SEALED COVER SUPERSCRIBING TENDER NUMBER AND DUE DATE SHALL REACH US ON OR BEFORE 17th OCTOBER 2011 [3 PM] LATE AND DELAYED OFFERS WILL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.

Thanking You,

Yours Faithfully


Consultant
(Purchase & Stores)

IISER-TVM
PUBLIC TENDER NO. IISER/PUR/PT/4/11
SCHEDULE

1. TENDER No. IISER/PUR/1636/11

LAB FURNITURE.

GENERAL REQUIREMENTS:

The general structure of the lab should be as shown in the diagram. Two plug points are needed on every rack. Workbench should not exceed 10 meters in total length. The specified dimensions given in the diagram are as follows:

- ⇒ L1 (work space for one student) = 75-90 centimeters
- ⇒ L2 (Module with a sink on the work top) = 50 centimeters
- ⇒ L3 (total length of the side bench) = 8 meters
- ⇒ W1 (total width of the work bench)= 150 centimeters
- ⇒ W2 (width of the rack)= 30 centimeters
- ⇒ W3 (width of the side bench)= 75-80 centimeters
- ⇒ H1 (height of the work bench)= 90 centimeters
- ⇒ H2 (height of the rack)= 70 centimeters
- ⇒ T1 (thickness of the work top granite)= 2 centimeters
- ⇒ All other dimensions and specifications are shown in the diagram itself.

Note that the lab benches in both rooms (marked LAB 2 and LAB 3 in the diagram) are to be supplied as part of this tender.

The eye-wash in lab 2 also needs to be supplied.

WORK BENCHES

Worktop:

- Should be a solid laboratory bench-top.
- Granite surface for the bench top (minimum of 20 mm thickness).
- Should be having chemical resistance against concentrated acids such as sulfuric acid and other organic and inorganic substances.
- Edges should be fabricated and rounded for smooth finish.
- Sample of the worktop should be black in color, single and plane piece.

Frame:

- The H frame should be made of mild steel box sections (minimum of 30 x 30 mm), with minimum of 2 mm thickness, de-greased, and powder coated.
- Adjustable leveling jacks of tough plastic / nylon should be provided for each leg of the support of the frame.
- Front and back frames should be provided for connecting all the H frames, supporting cabinets and complete bench.

UNDERBENCH CABINETS:

a) Door/Drawer front:

- Doors/drawers made of MS powder coated steel panels with required levels of resistance against acids, bases and other corroding agents typically found in a chemistry lab.
- All exposed edges should be lipped with PVC (minimum of 3 mm).
- The doors and drawers shall have full-length grab rail that is not projecting outside from the door front surface. The grab rails should be made of aluminum and powder coated.

b) Cabinet body:

- Cabinet made of MS powder coated steel panels with required levels of resistance against acids, bases and other corroding agents typically found in a chemistry lab.
- All exposed edges should be lipped with PVC (not less than 0.5 mm)
- Inside the tables, the cabinet body should not have any gaps or such places for dust accumulation. All joints should be sealed and it should be easily cleanable. All adjustable shelves should be made with the same material as above.

c) Knee space Panel:

- MS powder coated steel panels with required levels of resistance against acids, bases and other corroding agents typically found in a chemistry lab.
- Exposed edges should be lipped with PVC (not less than 0.5mm).
- Hinges for the doors should be without rust, nickel coated heavy duty, auto closing, and allowing opening up to more than 160 degrees. The hinges should be adjustable in all three directions for perfect finish and corrections.

Bench mounted rack:

- The bench mounted rack should be made of power coated mild steel box sections and powder coated (minimum of 30x30x2mm thickness).
- The surface of the rack should be made of reinforced glass.

Lab Sinks:

- Standard lab sink to be made out of polypropylene having 35 to 40 centimeter diameter fixed with 3 way swan neck tap of same material with individual control valves
- Water line up to the nearest water point in the room fixed with 15 mm angle valve will be made available. The water connection to the sink taps from the nearest water point in the room are to be made by the supplier using suitable specials for 15 mm angle valve. All pipes being used at site are as per MKS system only which may be made note of.
- Disposal system for waste and effluent are to be made by supplier. Only PVC pipe outlets at floor level will be made available at site.

FUME CUPBOARDS

(a) FRAME WORK:

- Heave duty frame work with the sections of mild steel, degreased and galvanized (80x40x3mm thickness).
- Epoxy powder coating.
- Adjustable leveling jacks should be provided for each leg of the support of the frame.
- Front and back frames should be provided for supporting cabinets and complete bench.

(b) UNDER BENCH CABINETS:

- Under bench cabinets made of MS powder coated steel with adjustable shelves.
- All exposed edges should be lipped with PVC.

(c) WORKTOP

- Worktop should be made of granite (minimum of 20 mm thickness). A drip-cup should be provided at the corner to drain any liquid spillage. The drip cup should be chemical resistant and molded as single piece in Polypropylene.

(d) EXTRACTION CHAMBER:

- MS powder coated laminated body.
- Inside and Baffles should be made with chemical resistant material to protect from fumes.
- The front sash should be vertically sliding smoothly and made of toughened glass (minimum of 6mm thickness), with counter weight.
- Should house a service box at the bottom with remote control valve for LPG and Cold water. A drip cup should be provided and connected to drain.

(e) BLOWER:

- The housing should be strong high density UV treated Polypropylene.
- The impeller should be completely made of Polypropylene with low noise level (not less than 62 dB). Single phase motor, 380/440V and 1450 rpm.
- All exposed part of the blower is made of polypropylene to protect from chemicals.

OTHER CONDITIONS

- Installing electrical wiring for the plugs in the work benches and for the fume cupboards from the distribution box in the room is the responsibility of the supplier.
- The supplier should dismantle the lab from the transit campus and re-install it in our permanent campus at Vithura when the labs are ready (after 1-2 years). This undertaking has to be submitted along with the offer.
- Based on our outline, detailed drawings with detailed specifications should be submitted along with the offer. Otherwise the offer may not be considered.

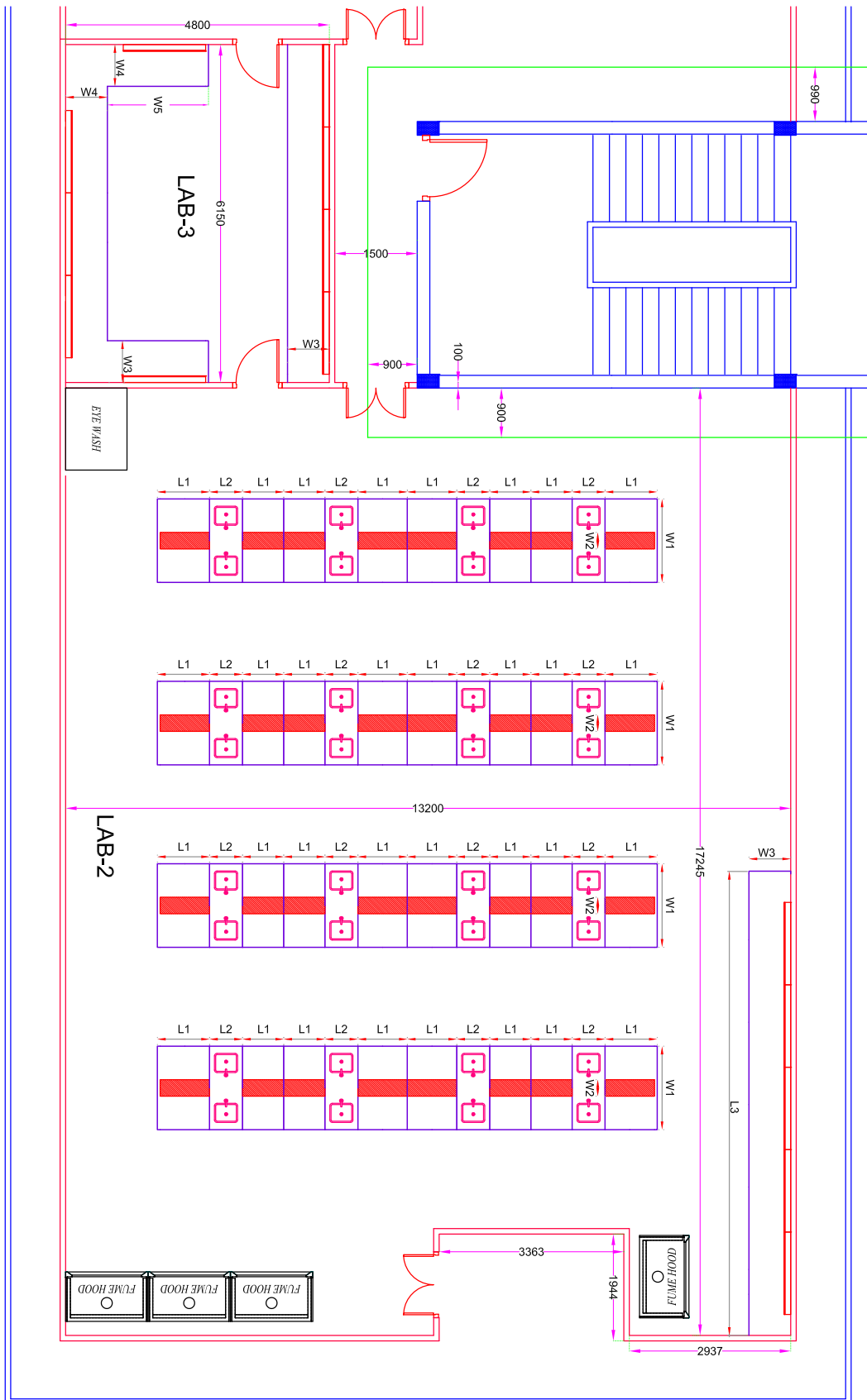
NOTE:

1. LEAFLET/CATALOGUE OF THE ITEMS QUOTED SHALL ACCOMPANY THE QUOTATION WITHOUT FAIL.
2. ALONG WITH THE TECHNICAL DETAILS PROVIDE A TABULAR COLUMN INDICATING WHETHER YOUR OFFER MEET THE SPECIFICATIONS, BY INDICATING 'YES' OR 'NO'. IF 'YES' SUPPORT THE CLAIM WITH PROOF.
3. NAMES OF INSTITUTES WITH CONTACT PERSON AND TELEPHONE/ EMAIL WHERE SIMILAR EQUIPMENT SUPPLIED BY YOU IN INDIA [PREFERABLY SOUTH] SHALL BE PROVIDED ALONGWITH THE BID.
4. THIS EQUIPMENT SHALL BE INITIALLY INSTALLED AT IISER TRANSIT CAMPUS [CET] AND LATER, WHEN PERMANENT CAMPUS OF IISER IS READY AT VITHURA [40 KM FROM TRIVANDRUM], THE SAME IS TO BE RELOCATED THERE. PRICES QUOTED FOR THE EQUIPMENT SHALL BE EITHER INCLUSIVE OF RELOCATING THE EQUIPMENT OR A SEPARATE QUOTE SHALL BE SHOWN FOR THE SAME [DISMANTLING, LOADING TRANSPORTING, UNLOADING, INSTALLATION AND DEMONSTRATION AT THE NEW LOCATION].

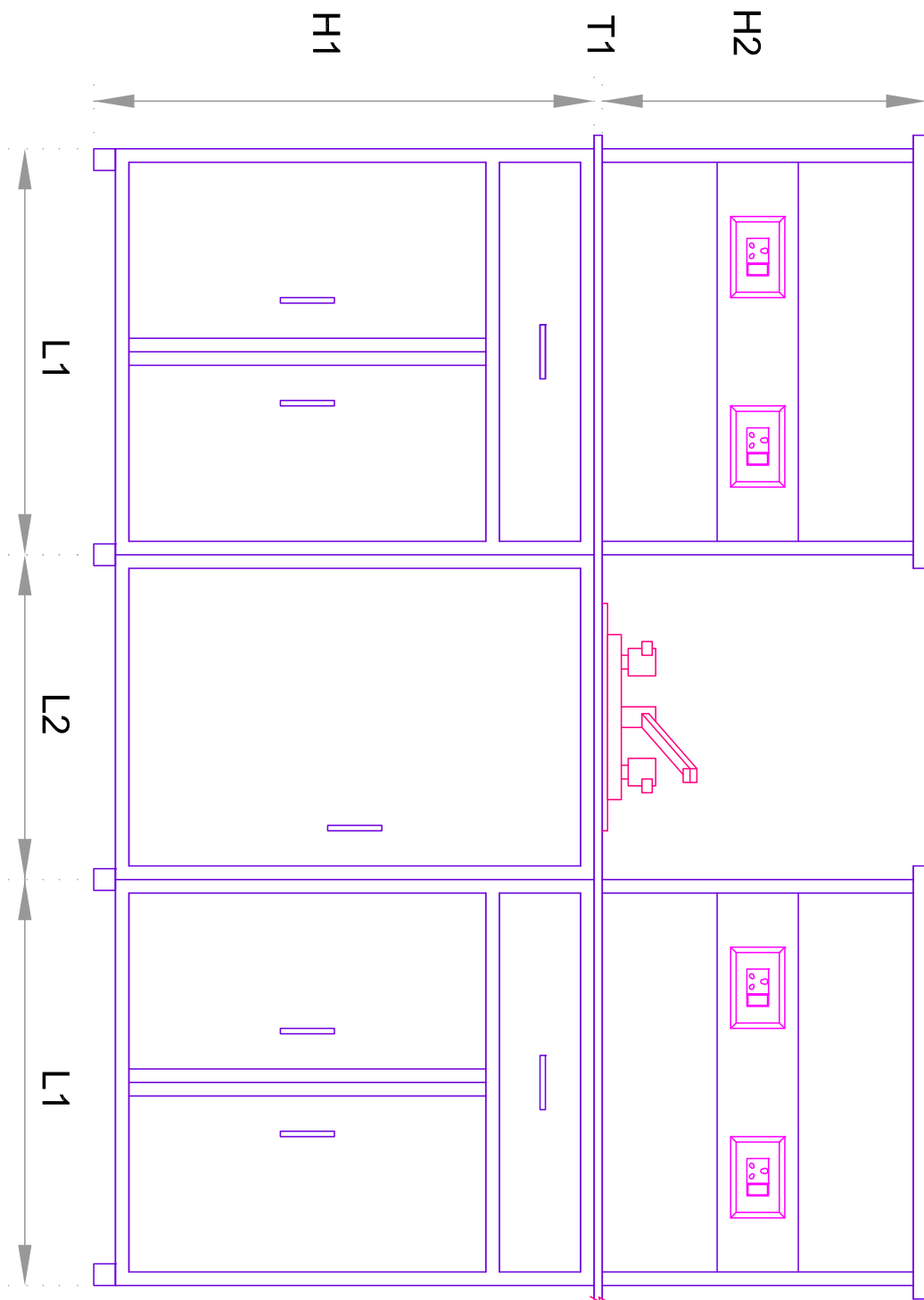

CONSULTANT
[PURCHASE & STORES]

P. S. TWO SKETCHES ATTACHED.

Labs: Plan View



Basic module in each lab table



IISER-TVM
INSTRUCTION TO TENDERERS [IMPORTS]:

1. **PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
2. **AGENT & AGENCY COMMISSION:** In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. In case Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.
3. **LEAFLET/CATALOGUE:** Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.
4. **MODE OF DESPATCH:** Tenderer shall indicate the mode of dispatch (i.e., Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of dispatch adopted by him for the type of stores offered for consideration of the Purchaser.
5. **COUNTRY OF ORIGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
6. **INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
7. **DELIVERY/SHIPMENT:** The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to in case of placing order on the Tenderer.
8. **MODE AND TERMS OF PAYMENT:** Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT.
9. **WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
10. **GENERAL:** The Tenderer shall also be complied with the following:
 - a. Mention your Banker's name and address.
 - b. Show approximate net and gross weight and dimensions of packages/cases.
 - c. Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
 - d. Details of any technical service, if required for erection assembly, commissioning and demonstration.
 - e. Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
 - f. The offer is valid for a minimum period of 90 days from the due date of opening of the tender.
 - g. Samples, if called for, will be sent free of all charges.
 - h. Late tenders and Delayed will not be considered.
 - i. Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
 - j. The authority of person signing the tender, if called for, shall be produced.
 - k. The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.


CONSULTANT
(PURCHASE & STORES)

IISER – TVM
INSTRUCTIONS TO TENDERERS [INDIGENOUS].

1. Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
2. Late tender and Delayed Tenders will not be considered under any circumstances.
3. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
4. (a). Your quotation should be valid for a minimum period of 60 days from the date of opening of the Tender. Quotation with firm prices will be preferred.
(b). Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
5. (a) Preference will be given to those tenders offering supplies from ready stocks and on the basis of delivery at IISER site.
(b) Preference will also be given to those who agree our payment terms of within 30 days of receipt and acceptance of the item at our site.
6. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the IISER shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to take back the samples at his own expense.
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) **Specifications:** Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
7. IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
8. Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.
9. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
10. The authority of the person signing the tender, if called for, should be produced.
11. The purchaser reserve the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.
12. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty and Customs Duty under Notification No. 51/96- Customs dated 23rd July 2009. Also, we can issue Form 16 as per VAT Rules.
13. There is no EMD or Tender Cost.


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