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**ANNEXURE-A**  
Notice Inviting Public Tender  
**(TWO PART TENDER)** for the following Works:

**Supply & Installation of Student Furniture for newly constructed First Research Building at 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad.**

<b>Tender No.</b>	<b>TIFR/PD/FR17-1/170079</b>
<b>Type of Tender</b>	<b>Two Part Tender (Part-I: Technical Bid and Part-II: Financial Bid)</b>
<b>Estimated Cost</b>	<b>Rs. 80,00,000/-</b>
<b>Tender Fees</b>	<b>Rs. 500/- (Demand Draft to be drawn in favour of "TIFR Centre for Interdisciplinary Sciences", Payable at Hyderabad (To be enclosed with the Technical Bid Part -I))</b>
<b>Cost of EMD</b>	<b>Rs. 1,60,000/-(Demand Draft to be drawn in favour of "TIFR Centre for Interdisciplinary Sciences", Payable at Hyderabad (To be enclosed with the Technical Bid Part -I))</b>
<b>Pre-Bid Meeting Date, Time and Place</b>	<b>01-06-2017 at 11.00 AM at 1<sup>st</sup> Floor, TIFR-TCIS, Gandipet Road, CBIT Post Office, 21, Brundavan Colony, Narsingi, Hyderabad-500 075.</b>
<b>Time of Completion</b>	<b>03 (Three) Months</b>
<b>Last Date for Submission of Tender</b>	<b>15-06-2017 on or before 13.00 Hours</b>
<b>Date of Opening Bids (Only Part-I: Technical Bid)</b>	<b>15-06-2017 at 15.00 Hours</b>

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

- In case the Part “I” and Part “II” bids are not sealed in separate envelopes the tender will be rejected.
- The technical bid should not contain any indication of the price.
- The Technical Bid received without payment of tender fees and EMD shall be summarily rejected.
- Contacts: Administrative Officer (Purchase) Tel: 2419 5029- for commercial and Mr. Rajdip Das Tel: 2419 5050 for technical clarifications.

Notice Inviting Tender (**TWO PART PUBLIC TENDER**) for the following works:

The Tender Technical Bid ( Part ‘I’ ) and Financial Bid ( Part ‘II’ ) should be submitted in two separate sealed envelope duly super scribing our enquiry reference and due date in bold letters, addressed to the ADMINISTRATIVE OFFICER(PURCHASE), TIFR-TCIS, GANDIPET ROAD, CBIT POST OFFICE, 21, BRUNDAVAN COLONY, NARSINGI, HYDERABAD-500 075. The envelope should be put in a master cover super scribed with the Tender Enquiry No. Due Date in Bold letters, addressed to the ADMINISTRATIVE OFFICER (PURCHASE), TIFR-TCIS, GANDIPET ROAD, CBIT POST OFFICE, 21, BRUNDAVAN COLONY, NARSINGI, HYDERABAD-500 075. Quotation sent by hand delivery/courier are to be deposited in the Tender Box after obtaining stamp, date and signature in the security department.

Due date for submitting your offer is on or before **15-06-2017 upto 13:00 Hrs.**

**ADMINISTRATIVE OFFICER  
TIFR-TCIS, HYDERABAD**

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**  
**TCIS – FRETb**

**INVITATION OF BIDS**

**FOR**

**Supply & Installation of Student Furniture for newly constructed First  
Research Building at 36/P, Gopanpally Village, Serilingampally Mandal,  
Ranga Reddy District, Hyderabad.**

**PART – I**

**TECHNICAL BID**

Tata Institute of Fundamental Research  
Centre for Interdisciplinary Sciences  
Plot No. 21, Brundavan Colony, Narsingi,  
Hyderabad - 500 075

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**

**TCIS - FRETB**

**Tender Notice** : **TIFR/PD/FR17-1/170079**

**Name of Work** : **Supply & Installation of Student Furniture for newly Constructed First Research Building at 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad.**

**Location** : TCIS-FRETB,  
Tata Institute of Fundamental Research  
Survey No. 36/P, Gopanpally village, Serilingampally Mandal,  
Ranga Reddy District, Hyderabad – 500046.

**Estimated Cost** : Rs. 80,00,000/-

**EMD** : Rs. 1,60,000/-

**Delivery Period** : Three (3) months

**Validity** : One Hundred and twenty (180) days after opening of  
Part-II, Financial Bid

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

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Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

## **SECTION-I**

### **IMPORTANT INFORMATION**

#### **INTRODUCTION**

The Tata Institute of Fundamental Research is a National Centre of the Government of India, under the umbrella of the Department of Atomic Energy, as well as a deemed University awarding degrees for master's and doctoral programs. Tata Institute of Fundamental Research Centre for Interdisciplinary Sciences, Hyderabad invites bids for the following work:

**Name of work : Supply & Installation of Student Furniture for newly constructed First Research Building at 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad.**

#### **1. PARTICULARS:**

a)	Location	<b>Survey No. 36/P, Gopanpally Village, Serilingampally (Mandal) Ranga Reddy Dist., Hyderabad</b>
b)	Pre-bid Meeting	01-06-2017
c)	Closing date & time of receipt of bids	<b>15-06-2017 on or before 13.00 Hours</b>
d)	Date & time of opening of Sealed Cover-I containing Technical Bid	<b>15-06-2017 by 15.00 Hours</b>
e)	Date of opening of Sealed cover-II containing Price Bid of eligible bidders	To be intimated to eligible bidders later.

#### **2. GENERAL INSTRUCTIONS**

- TIFR-TCIS shall award the contract for the project through the two Bid systems.
- The Contractor are advised to visit and examine the site of work and its surroundings and obtain any information that may be necessary, in addition to those provided in this document. . The Contractor shall be deemed to have fully acquainted himself about the site condition, whether he inspects it or not.
- The Contractor should adhere to the building bye-laws applicable for the area.
- All clarifications shall be sought before the date of pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. No further clarifications shall be issued after issue of noteworthy replies to the pre-bid queries.
- The submission of the bid by Contractor would imply that they have carefully read and agreed to the terms and conditions contained in this bid document.
- The bid for the work shall remain open for acceptance for a period of 180 days from the date of submission of the bids, which period may be extended by mutual agreement and the Contractor shall not cancel or withdraw the offer during this period.
- This bid document shall form a part of the contract agreement.

#### **3. SUBMISSION OF BIDS**

Signature of the Tenderer:

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Date:

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Bids shall be submitted to **Administrative Officer(Purchase), TIFR Centre for Interdisciplinary Sciences, Plot No.21, Brundavan Colony, Narsingi, Gandipet Road, Hyderabad - 500 075** in a sealed Master envelope super scribed "Bid for **Supply & Installation of Student Furniture for newly constructed First Research Building at 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad.** " with our enquiry no. and due date, containing two separate sealed covers clearly super scribed as "Technical Bid" and "Financial Bid" before the closing date and time of submission in the following manner:

- a) "Technical Bid": This will contain Technical part, Eligibility Documents along with testimonials, Tender Fee, Earnest Money Deposit (EMD), Tender Drawings.
- b) "Financial Bid": This will contain the complete bidding document with duly filled in Schedule of Financial Quote of Financial Bid.

The Bids without signature of the authorized person of bidder and seal, without EMD, with conditions or conditional rebates shall be summarily rejected.

#### **4. EVALUATION OF BID:**

- a) **EVALUATION OF TECHNICAL BID:** The bids received will first be first opened and will be examined for EMD, Conditions, Signed tender drawings etc. Conditional Tenders and Tenders without EMD shall be summarily rejected.
- b) **EVALUATION OF FINANCIAL BID:** The Financial Bid should contain the complete bid document with duly filled in Schedule of Financial Quote of Financial Bid. Financial Bids of Techno Commercially qualified Bidders will only be opened. Work will be awarded to lowest bidder (L1) based on their quotes after making necessary arithmetical checks.

#### **5. SCOPE& OBJECTIVE**

The Objective of the tender is for **Supply & Installation of Student Furniture for newly constructed First Research Building at 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad as per the specifications and Bill of quantities mentioned in the Price Bid.**

**Period of Completion of Work:** 3(Three) months from the date of issue of work order

**Defect Liability Period:** 1 Year from the date of handing over of completed structure as per tender.

#### **6. PAYMENT SCHEDULE:**

- i. The payment will be made only after delivery of the supply, satisfactory installation, commissioning and performance of the item/equipment at TCIS, Hyderabad and after certification by our Engineer-in-Charge/Architect/ Authorized officer.
- ii. No Agency commission will be paid as per Govt. of India rules.
- iii. We are exempted from payment of Excise Duty under notification number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996 for all procurements/supply meant exclusively for scientific and research purposes. Whenever

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the exemption certificate not honored by the authorities, the applicable excise duty will have to be paid.

- iv. Hence Excise Duty and Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.
- v. Sales Tax: TIFR does not have any exemption/concession on payment of Sales Tax/VAT and we are not authorized to issue any Sales Tax Form 'C' & 'D'

The Contractor shall submit the bills for payments along with detailed statement the actual works carried out under different heads of items in the format specified by TIFR-TCIS. Minimum value of the work for interim payment (Running Bills) shall be Rs. 20,00,000/-. All interim and final bills will be settled based on the joint measurements of each item of works and certified by TIFR-TCIS Engineer-in-Charge/approving authority. All interim bill will be paid after submission of all documents, original bill with certification of TIFR-TCIS Engineer-in-Charge.

#### **BILL FORMAT**

Work Order item No.	Description of Items (At least 2 lines)	Units	Work Order Quantity	Executed Quantity	Rate (Per Unit)	% work done	Amount in Rs.

**NOTE: All quantities in the bill should be in cumulative.**

**All measurements should be in the order of work order sequence and should be recorded in the measurement book.**

**The Measurement should be strictly in the below mentioned format only.**

The works which have been certified for running bills will also be verified along with the final bill and any defects found need to be replaced / rectified by the contractor at his cost. Till the time, the site is handed over in full, it is the contractor's liability to safeguard the works done and completed at site. The Progress of work should not be affected in any way quoting the reason of non-availability of funds / materials / releasing of Running bill. The liability of contractor is to complete all works in his scope in the scheduled time as per the terms of contract and will not relieve the contractors from his obligations once the Running bill is paid / kept pending.

#### **Final Payment**

Payments of Final bill shall be made after deduction of Security Deposit as specified. The Security Deposit, shall be refunded on expiry of the Defects Liability Period after rectifying all defects to the satisfaction of the TIFR-TCIS/E.I.C. The acceptance of payment of the final bill by the Contractor would indicate that he would have no further claim in respect of the work executed.

Signature of the Tenderer:

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**SECTION-II**  
**NOTICE AND INSTRUCTIONS**

1. **Earnest Money Deposit (EMD):** EMD shall be submitted in the form of Demand Draft/ Pay Order/ Banker's cheque issued by Scheduled Bank, drawn in favour of "TIFR Centre for Interdisciplinary Sciences", Payable at Hyderabad.

2. **Performance guarantee:** The tenderer, whose tender is accepted, will be required to furnish a performance guarantee of 5% of the tendered amount within 7 (seven) working days from the date of work order. This guarantee shall be in the form Demand Draft / Pay Order / Banker's cheque / Deposit or Government Securities / Fixed Deposit Receipt (FDR) or Guarantee Bonds (BG) of any Scheduled Bank in accordance with the form as Annexure – I hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to TIFR-TCIS as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to TIFR-TCIS.

The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of performance Guarantee extended to cover such enlarged time for completion of work. The performance guarantee shall be returned to the contractor, without any interest, after recording of the completion certificate for the work by the competent authority.

The Engineer-in-Charge /Architect shall make a claim under the Performance guarantee for amounts to which TIFR-TCIS entitled under the contract (notwithstanding and / or without prejudice to any other provisions in the contract agreement) in the event of:

- a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge /Architect may claim the full amount of the Performance guarantee.
- b) Failure by the contractor to pay TIFR-TCIS, Hyderabad any amount due, either as agreed by the contractor or determined under any of the Clauses / Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-charge.

In the event of the contract being determined under provisions of any of the relevant clauses of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of TIFR-TCIS, Hyderabad.

3. **Security Deposit:** The tenderer, whose tender is accepted, will also be required to furnish by way of Security Deposit for fulfillment of his contract, an amount equal to 5% of the tendered value of the work. Earnest Money deposited at the time of tenders will be treated as part of the Security Deposit.

or

The successful tenderer shall permit TIFR-TCIS at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of the gross amount of each

Signature of the Tenderer:

**TCIS - TIFR**

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Seal:

running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. Such deductions will be made and held by TIFR-TCIS by way of Security Deposit unless he has / they have deposited the amount of Security at the rate mentioned or in the form of Fixed Deposit Receipts.

In case a fixed deposit receipt of any bank is furnished by the contractor to TIFR-TCIS as part of the security deposit and the bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to TIFR-TCIS.

All compensation or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the contractor by TIFR-TCIS or any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make a fixed deposit receipt tendered by the State Bank of India or by scheduled banks (if deposited for more than 12 months) endorsed in favour of the TIFR-TCIS, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof.

Security Deposit as deducted above can be released against Bank Guarantee issued by a Scheduled Bank on its accumulation to a minimum of Rs.5 Lakhs subject to the condition that amount of such Bank Guarantee, except last one, shall not be less than Rs.5 Lakhs. Bank Guarantee should be submitted which will be valid up to the expiry of defect liability period.

**4. Acceptance of Tender:** The competent authority, on behalf of TIFR-TCIS, Hyderabad does not bind itself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all the tenders received, without assignment of any reason. All tenders, in which any of the prescribed condition is not fulfilled or any condition, including that of conditional rebates is put forth by the tenderer, shall be summarily rejected.

The Competent Authority, on behalf of TIFR-TCIS, Hyderabad reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest tender or any other tender.

**5. Validity of Tender:** The tender for the work shall remain open for acceptance for a period of 180 days from the last date of submission of tenders. If any tenderer withdraws his tender before the said period, or before issue of Letter of Intent, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Department, then TIFR-TCIS, Hyderabad shall, without prejudice to any other right or remedy, be at liberty to forfeit of the said earnest money absolutely. Further the tenderer shall not be allowed to participate in the retendering process of the work.

Signature of the Tenderer:

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**6. Levy / Taxes payable by contractor:**

- i. Sales Tax / VAT or any other tax on materials and services in respect of this contract shall be payable by the contractor and TIFR-TCIS shall not entertain any claim whatsoever in this respect.
- ii. The contractor shall deposit royalty and obtain necessary permit as required for supply of the sand, aggregate, stone etc. from local authorities.

**7. Deduction of Income Tax :** As per Section 194-C of Income tax Act 1961, as amended by letter No. 275/9/72/9-TJ (Circular No. 86) dated 19.5.72 and No. 275/14/91-IT (B) (Circular No. 593) dated 5.2.91, received from Ministry of Finance, Department of Revenue, Central Board of Direct Taxes, New Delhi, the applicable Income tax and Surcharge thereon (or any other amended rate by Ministry of Finance from time to time), of the gross value of the work done will be recovered from the bills. A certificate for the amount so recovered will be issued by the Department.

**8. Taxes & Duty:**

Contractor/Manufacturer/Supplier shall quote the price of material inclusive of all applicable taxes, etc. However, TIFR-TCIS is exempted from Excise/Custom Duty and certificate will be issued by TIFR-TCIS.

TIFR-TCIS is a Public funded Research Institution and exempted from paying of Custom Duty under the notification No: 51/96 dated 23.07.1996, Excise duty under notification No: 10/97 dated 01.03.1997. Certificate will be provided by TIFR-TCIS, Hyderabad.

**Transit Insurance:** The Transit Insurance from the point of dispatch to the site of erection shall be in the scope of Supplier/Contractor.

**9. Site visit by the tenderer before tendering:** Tenderers are advised to inspect and examine the site and its surroundings during working hours and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.

**10. Signing of Tender and receipts for payments:** In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act-1952. Receipts for payments made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

11. **Tenderer's responsibilities:** The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that they have read this notice & all other contract documents, and has made himself aware of the scope & specifications of the work to be done and local conditions and factors having a bearing on the execution of the work.

12. **Signing of contract:** The Notice Inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of: the Notice Inviting Tender, all the documents including all conditions, specifications and drawings, if any, forms the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

13. **Canvassing,** either directly or indirectly, in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection and may be barred from the future participation in TIFR-TCIS works.

14. All other Standard Terms and Conditions as per TIFR-TCIS Standard Terms and Conditions.

**ADMINISTRATIVE OFFICER  
TIFR-TCIS, Hyderabad**

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

### **UNDERTAKING BY THE TENDERER**

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the TIFR-TCIS, Hyderabad within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for **One Hundred Eighty (180) days** from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs ..... against receipt treasury challan / deposit at call receipt of scheduled bank / fixed deposit receipt of scheduled bank / demand draft of a scheduled bank / Bank Guarantee issued by a Scheduled Bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said TIFR-TCIS, Hyderabad or its authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / we fail to commence work as specified, I / we agree that the TIFR-TCIS, Hyderabad shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by TIFR-TCIS, Hyderabad towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We hereby declare that I / We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**Seal & Signature of Contractor**  
**Postal Address**

**Dated**

**Witness**

**Address**

**Occupation**

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

### **SECTION –III**

#### **GENERAL INFORMATION**

**i. Definitions:**

- a) The '**Contract**' means the documents forming the tender and acceptance thereof and the formal agreement executed between the Competent authority on behalf of the TIFR-TCIS, Hyderabad and the Contractor together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge /Architect and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- b) The expression '**Works**' or '**Work**' shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent and whether original, altered, substituted or additional.
- c) The '**Site**' shall mean the land or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
- d) The '**Contractor**' shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personnel representative of such individual or the persons composing such firm or company or the successors of such firm or company and the permitted assignees of such individual, firm or company.
- e) The '**Engineer-in-Charge**' means the Engineer / Officer, who shall supervise and be in charge of the work on behalf of TIFR-TCIS, Hyderabad.
- f) '**Temporary Work**' means all temporary works of every kind required in or about the execution, completion and maintenance of the works.
- g) '**Market Rate**' shall be the rate as decided by the Engineer-in-Charge /Architect on the basis of the cost of materials and labour at the site where the work is to be executed plus 15% to cover, all overheads and profits.
- h) '**TIFR**' means TIFR-TCIS, Hyderabad.
- i) '**Tendered value**' means the value of the entire work as stipulated in the letter of award.
- j) '**Time Limit**': The time allowed for carrying out the work reckoned from 10th day of the date of issue of work order.

ii. **Opening of Tenders:** Tenders shall be opened by the authorized committee of TIFR-TCIS in the presence of intending bidders or their authorized representatives at the scheduled date and time.

iii. **Declaration by tenderer:** The tenderers shall sign a declaration under the Official Secret Act-1923 for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

iv. **Filling up of rates:** All rates shall be quoted on the tender form by the tenderers in figures and words, and the amount in figures only. All rates shall be quoted on the prescribed tender form. The amount for each item should be worked out and requisite totals given.

a. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.

b. If a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall, unless otherwise proved, be taken as correct.

c. If the amount of an item is not worked out by the tenderer, or it does not correspond with the rate written either in figures or in words, then the rates quoted by the tenderer in words shall be taken as correct.

d. Where the rate quoted by the tenderer in figures and in words tally but the amount is not worked out correctly, the rate quoted by the tenderer will, unless otherwise proved, be taken as correct and not the amount.

e. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this / these item(s) in other items and rate for such item(s) will be considered as **zero** and work will be required to be executed accordingly.

v. **Quoted rates to includes all taxes:** Sales tax, VAT, Purchase tax or any other tax on materials and services in respect of this contract, including state Sales tax and Turnover tax on transfer of property as per Works Contract Act etc. if any, shall be payable by the contractor and TIFR-TCIS will not entertain any claim whatsoever in respect of the same. As per the directives of the Sales Tax Authorities, the tax due at the rates notified by the State Government from time to time, shall be deducted from the bills payable to the Contractors, for which TDS certificate shall be issued by the Department.

vi. **Action in case of un realistic rates:** In the case of any tender where unit rate of any item (s) appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

vi. **Contractor to depute his representative at site:** The successful tenderer for the work should have responsible and responsive representative with adequate powers to take speedy decisions during the entire period of execution at the Work place. On acceptance of the tender, the name of the accredited representative(s) of the contractor, who would be responsible for taking instructions from the Engineer-in-Charge, shall be communicated in writing to the Engineer-in-Charge.

viii. **Sufficiency of Tender:** The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Bill of Quantities, at which rates and prices shall, except as otherwise

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provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

ix. **Signing of Contract:** The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of complete tender document including conditions, bill of quantities, drawings, if any, and acceptance thereof together with any correspondence leading thereto along with DAE Safety Code and Model Rules for the protection of health, sanitary arrangements for workers employed by DAE or its contractors, DAE Contractor's Labour Regulations, List of Acts and omissions for which fines can be imposed. No payment for the work done will be made unless contract is signed by the contractor

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**SECTION-IV**  
**GENERAL CONDITONS**

**1. Compensation for delay:** If the contractor fails to maintain the required progress in terms of contract or to complete the work and clear the site on or before the stipulated or extended date of completion, he shall, without prejudice to any other right or remedy available under the Law to the Govt. on account of such breach, pay as agreed compensation the amount calculated at **1.5% per month of delay to be computed on per day basis** on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified or that the work remains incomplete. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the tendered value of work or of the tendered value of the item or group of items of work for which a separate period of completion is originally given.

**2. Determination of contract:** Subject to other provisions contained in this clause, the Engineer-in-Charge /Architect may, without prejudice to his any other right or remedy against the contractor in respect of any delay, inferior workmanship, any claim for damages and /or any other provisions of this contract or otherwise, and whether the date for completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

i. If the contractor having been given by the Engineer-in-Charge /Architect a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman-like manner shall omit to comply with the requirements of such notice for a period of 7 days thereafter.

ii. If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge /Architect (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continue to do so after a notice in writing of 7 days from the Engineer-in-Charge.

iii. If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.

iv. If the contractor persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.

v. If the contractor shall offer or give or agree to give to any person in TIFR or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for TIFR-TCIS.

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vi. If the contractor shall obtain a contract elsewhere as a result of wrong tendering or other non-bonafide methods of competitive tendering.

vii. If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer-in-Charge.

viii. If the work is not started by the contractor within 1 / 8th of the stipulated time.

ix. When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in- Charge on behalf of the TIFR-TCIS, Hyderabad shall have powers:

a) To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge /Architect shall be conclusive evidence). Upon such determination, the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract, shall be liable to be forfeited, and shall be absolutely at the disposal of TIFR-TCIS, Hyderabad.

b) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be unexecuted out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work

x. In the event of above courses being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge /Architect has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

**3. Time Extension for delay:** The time allowed for execution of the works as stipulated in the contract or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in contract. If the Contractor commits default in commencing the execution of the work as aforesaid, TIFR-TCIS shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee absolutely.

As soon as possible after the Contract is signed, the Contractor shall submit a Time and Progress Chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge /Architect and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution

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of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) to complete the work as per the mile stones given.

**If the work(s) be delayed by:**

- i. Force majeure, or
- ii. Abnormally bad weather, or
- iii. Serious loss or damage by fire, or
- iv. Civil commotion, local commotion of workmen, strike or lock out, affecting any of the trades employed on the work, or
- v. Delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge /Architect in executing work not forming part of the Contract, or
- vi. Any other cause which, in the absolute discretion of the Engineer-in-Charge /Architect is beyond the Contractor's control, then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge /Architect but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in- Charge to proceed with the works.

**4. Measurements of work done:** Engineer-in-Charge /Architect shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done. All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract. All measurements and levels shall be taken jointly by the Engineer-in-Charge /Architect or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer- in-Charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in within a week from the date of the measurements. Then measurements recorded in his absence by the Engineer-in-Charge /Architect or his representative shall be deemed to be accepted by the Contractor.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels. Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available, then a mutually agreed method shall be followed.

The contractor shall give, not less than 7 days' notice to the Engineer-in-Charge /Architect or his authorized representative in-charge of the work, before covering up or otherwise placing

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beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge /Architect or his authorized representative in-charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing, the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Engineer-in-Charge /Architect or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels. It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

**5. Completion Certificate:** Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in- Charge and within fifteen days of the receipt of such notice, the Engineer-in- Charge shall inspect the work, and if there is no defect in the work, shall furnish the contractor with a certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and / or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed, all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements, required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floors or other parts the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution thereof, and not until the work shall have been measured by the Engineer-in-Charge. If the contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of the work, the Engineer-in-Charge /Architect may at the expense of the contractor remove such scaffolding, surplus materials and rubbish, etc., and dispose off the same as he thinks fit and clean off such dirt as aforesaid; and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realised by the sale thereof.

**6. Contractor to keep site clean:** When the annual repair and maintenance of works are carried out, the splashes and droppings from white washing, colour washing, painting etc. on wall, floors, doors, windows etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in

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contract. In case the contractor fails to comply with the requirements of this clause, the Engineer-in-Charge /Architect shall have the right to get this work done at the cost of the contractor either departmentally or through any other agency. Before taking such action, the Engineer-in-Charge /Architect shall give **10 days'** notice in writing to the contractor.

**7. Completion plans to be submitted by the contractor:** The contractor shall submit completion plan required as per Specifications for Furniture/Plumbing/Gas/Electrical works as applicable within 30 days of the completion of the work. In case, the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent to 2.50% of the value of the work subject to a ceiling of Rs.15,000/- as may be fixed by the Engineer-in-Charge /Architect and in this respect the decision of the Engineer-in-Charge /Architect shall be final and binding on the contractor.

**8. Payment of Running & Final Bill:** The contractor is allowed to submit the Running Bills and Final bill for the work. Minimum net value of each running bill shall not be less than **Rs. 20,00,000/-**. The final bill shall be submitted by the contractor within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge /Architect whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period specified herein-under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge /Architect or his authorised representative, complete with account of materials issued by the Department and dismantled materials.

- i. If the Tendered value of work is upto Rs. 15 lakhs, 3 months
- ii. If the Tendered value of work exceeds Rs. 15 lakhs 6 months

**9. Materials to be provided by the contractor:** The contractor shall, at his own expense, provide all materials, required for the works other than those specified otherwise. The contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge /Architect samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by the Engineer-in- Charge furnish proof, to the satisfaction of the Engineer-in-Charge /Architect that the materials so comply. The Engineer-in- Charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-Charge /Architect for his approval, fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the Engineer-in-Charge /Architect shall be issued after the test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials represented by

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the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer- in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge /Architect and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications.

The Engineer-in- Charge or his authorized representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access.

The Engineer-in-Charge /Architect shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Engineer-in-Charge /Architect shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in- Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-Charge /Architect may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

The contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in the contract.

**10. Excavated / dismantled material will be TIFR's property:** The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work etc. as TIFR-TCIS property and such materials shall be disposed off to the best advantage of TIFR-TCIS according to the instructions in writing issued by the Engineer-in- Charge.

**11. Work to be executed in accordance with specifications, drawings, orders, etc. :** The contractor shall execute the whole and every part of the work in the most substantial and workman like manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the designs, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge. The several documents forming the Contact are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale. The following order of preference shall be observed:

- a) Description of Bill of Quantities.
- b) Particular Specifications and Special Clauses, if any.

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- c) Drawings.
- d) Department of Atomic Energy Specifications
- e) C.P.W.D. Specifications.
- f) Indian Standard Specifications of B.I.S.
- g) Manufacturer's specifications
- h) Lab standards and certification

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, detailed furniture drawings in both 2D and 3D, and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction. Contractor shall be required to submit a guarantee bond for all the works carried out by him as per Annexure- I. Contractor shall use the items of approved makes as per Annexure-II and should be committed to replace those items if there is any defect in them during defect liability period .

**12. Deviations / Variations : Extent And Pricing:** The Engineer-in-Charge /Architect shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in- Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided. The deviations/Variations from the contract is any may be subject to approval of TIFR-TCIS, Engineer-in-Charge approval only.

**Deviated Quantities:** The contractor shall not supply or execute quantities exceeding the quantities mentioned in the tender but he may have to supply lesser quantity incase TIFR-TCIS directs him to do so. However, in the case it is required to be done shall be carried only with prior approval of Engineer-in-Charge/Architect, who shall take approval from competent authority in TIFR-TCIS, Hyderabad for such increased quantities/expenditure.

The contractor shall bring to the notice of the Engineer-in-Charge, where tender amount find exceeds more than 10% of the tender value before execution of the work and shall take permission for Quantity increase from the Engineer-in-Charge.

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**13. Foreclosure of contract due to abandonment or reduction in scope of work:** If at any time after acceptance of the tender, TIFR-TCIS, Hyderabad shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer-in-Charge /Architect shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

**14. Suspension of work:**

i. The contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in- Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:

a. on account of any default on the part of the contractor or;

b. for proper execution of the works or part thereof for reasons other than the default of the contractor; or c. for safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

ii. If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:

a. the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;

b. If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as the Engineer-in-Charge /Architect may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge /Architect within fifteen days of the expiry of the period of 30 days.

iii. If the works or part thereof is suspended on the orders of the Engineer-in-Charge /Architect for more than three months at a time, except when suspension is ordered for reason (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on the Engineer-in-Charge /Architect requiring permission within fifteen days from receipt by the Engineer-in-Charge /Architect of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not

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granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by TIFR-TCIS or where it affects whole of the works, as an abandonment of the works by TIFR-TCIS, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the contractor treating the suspension as an abandonment of the contract by TIFR-TCIS, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer- in-Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge /Architect within 30 days of the expiry of the period of 3 months.

**15. Action in case of work not done as per specifications:** All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in- charge, his authorized subordinates in charge of the work and all the superior officers of the Department or any organization engaged by the Department for Quality Assurance and of the Chief Technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it shall appear to the Engineer-in-Charge /Architect or his authorized subordinates in-charge of the work or his subordinate officers or the officers of the organization engaged by the Department for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs. 10 Lakh and below except road work) of the completion of the work from the Engineer-in-Charge /Architect specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in-Charge /Architect in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause III(1) of the contract (for non-completion of the work in time) for this default In such case the Engineer-in-Charge /Architect may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates. Decision of the Engineer-in-Charge /Architect to be conveyed in writing in respect of the same will be final and binding on the contractor.

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**16. Contractor liable for damages, defects during Maintenance (Defect Liability Period):**

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within **12 months** after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge /Architect as aforesaid arising out of defective or improper materials or workmanship, the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense, or in default, the Engineer-in-Charge /Architect cause the same to be made good by other workmen and deduct the expense from any sums that may be due, or at any time thereafter may become due to the contractor, or from his security deposit, or the proceed of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of **12 months** after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later. Provided that in the case of road work, if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient to meet all the liabilities of the contractor under this contract, half of the security deposit will be refundable after **12 months** of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later. Performance Security shall be refunded to the contractor after completion of the work and recording the completion certificate.

**17. Contractor to supply tools & plants etc.:** The contractor shall provide at his own cost all materials (except such special materials, if any, as may in accordance with the contract be supplied from the Engineer-in-Charge's stores), machinery, tools & plants. in addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffoldings and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge /Architect as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-Charge /Architect at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under the contract and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

**18. Recovery of compensation paid to workmen :** In every case in which by virtue of the provisions of section 12 sub-section (1) of the Workmen's Compensation Act. 1923, TIFR-TCIS is obliged to pay compensation to a workman employed by the contractor, in execution of the works, TIFR-TCIS will recover from the contractor the amount of the compensation so paid; and, without prejudice to the rights of TIFR under Section 12, sub-section (2) of the said Act, TIFR-TCIS shall be at liberty to recover such amount or any part thereof by deducting it from

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the security deposit or from any sum due by TIFR-TCIS to the contractor whether under this contract or otherwise. TIFR shall not be bound to contest any claim made against it under section 12, sub-section (1) of the said Act, except on the written request of the contractor and upon his giving to TIFR-TCIS full security for all costs for which TIFR-TCIS might become liable in consequence of contesting such claim.

**19. Ensuring payment and amenities to workers if contractor fails:** In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and of the contract labour (Regulation and Abolition) Central Rules, 1971, TIFR-TCIS is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the Rules, under Clause 19 H or under the DAE Contractor's Labour Regulations, or under the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Department of Atomic Energy contractors, TIFR-TCIS will recover from the contractor the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of TIFR-TCIS under Section 20, sub-section (2) and Section 21, sub-section (4) of the contract labour (Regulation and Abolition) Act, 1970, TIFR-TCIS shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by TIFR-TCIS to the contractor whether under this agreement or otherwise. TIFR-TCIS shall not be bound to contest any claim made against it under Section 20, subsection (1) and section 21, sub-section (4) of the said Act, except on the written request of the contractor and upon his giving to TIFR-TCIS full security for all costs for which TIFR-TCIS might become liable in contesting such claim.

**20. Labour laws to be complied by the contractor:** The contractor shall obtain a valid license under the Contract Labour (R & A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provision of the Child Labour Prohibition & Regulation) Act-1998. The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non execution of the work.

**21. Minimum wages act to be compiled with:** The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970 and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

**22. Settlement of Disputes & Arbitration:** Any dispute arising from this contract will be referred to two arbitrators one to be appointed by you and one by us. The two arbitrators, in the event of their disagreement will appoint an Umpire. The decision of the Umpire shall be final and binding. The arbitration will proceed as per Indian Arbitration Act, 1940, as amended upto date.

**23. Confidential Information :** The drawings, specifications, proto-type, samples and such other information furnished to the contractor relating to the supply / work, sub-systems

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/ equipment etc. are to be treated as confidential which shall be held by the contractor in confidence and shall not be divulged to any third party without the prior written consent of the Department. The contractor, therefore, binds himself, his successors, heirs, executors, administrators, employees and the permitted assignees or such other persons or agents directly or indirectly concerned with the work / supply to the confidential nature of the drawings, specifications, proto-type samples etc. It is a further condition of the contract that the contractor shall not, without prior written permission from the Department, transmit, transfer, exchange, gift or communicate any such confidential information, and also the component, sub assembly, products, by-products etc. pursuant to the fabrication under taken by the contractor, to any third party.

**24. Safety with Scaffolding and Mobile Elevated Platform:** Every scaffold or mobile elevated platform and its supporting members, railings, Tee-boards, ropes should be designed to support given load, with a safety factor of at least four. No alterations should be made that might impair the strength of such structures, no improvised, make-shift or substandard scaffold should be permitted even for the most temporary use. All work in connection with such structures, including construction, operation, maintenance, alteration and removal should be carefully done under the direction and supervision of persons with specialized experience in such works. A safe and convenient means of access should be provided to the platform or scaffold. Means of access may be a portable ladder, fixed ladder, ramp or it may be a stairway. The use of cross braces or frame work as means of access to the working surface should not be permitted.

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**SECTION-V**  
**SPECIAL CONDITIONS OF CONTRACT**

**I GENERAL**

1. Special Conditions of Contract (SCC) shall be read in conjunction with the General Conditions of Contract (GCC) also referred to as General Terms & Conditions of Works Contract, Schedule of Quantities, specifications of work, drawings and any other document forming part of this Contract wherever the context so requires.
2. Notwithstanding the sub-division of the document into these separate sections and volumes, every part of each shall be deemed to be supplementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so.
3. Where any portion of the GCC is repugnant to or at variance with any provisions of the Special Conditions of Contract, then unless a different intention appears, the provision(s) of the Special Conditions of Contract shall be deemed to override the provision(s) of GCC only to the extent that such repugnancy or variations in the Special Conditions of Contract are not possible of being reconciled with the provisions of GCC.
4. Wherever it is stated in this Bidding Document that such and such a supply is to be effected or such and such a work is to be carried out, it shall be understood that the same shall be effected and /or carried out by the Contractor at his own cost, unless a different intention is specifically and expressly stated herein or otherwise explicit from the context. Contract Price shall be deemed to have included such cost.
5. The materials, design & workmanship shall satisfy the applicable relevant Indian Standards, the job specifications contained herein & codes referred to. where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied. In the absence of any Standard / Specifications / Codes of practice for detailed specifications covering any part of the work covered in this bidding document, the instructions / directions of Engineer-in-Charge /Architect will be binding upon the Contractor.
6. In case of contradiction between relevant Indian standards, GCC, Special Conditions of Contract, Specifications, Drawings and Schedule of Rates, the following shall prevail in order of precedence.
  - a) Detailed Purchase Order along with statement of agreed variations, if any, and its enclosures.
  - b) Letter of Intent(LOI)
  - c) Schedule of Quantities
  - d) Special Conditions of Contract
  - e) Instructions to Bidders
  - f) General Conditions of Contract
  - g) Technical Specifications
  - h) Relevant Indian Standards.
  - i) Drawings/ Data Sheets

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## **II. THE WORK**

### **1. Scope of Work & Scope of Supply**

The scope of work covered in this Contract will be as described in scope & objective of work provided in Section-I of important information to bidders, Schedule of Quantities, Technical Specifications, Drawings, etc.

### **2. Time Schedule**

The Completion period for this job shall be as given in this bid document. Time is the essence of this Contract. The period of completion given includes the time required for mobilization as well as testing, rectifications, if any, retesting, demobilization and completion in all respects to the satisfaction of the Engineer-in-Charge.

A joint programme of execution of work will be prepared by the Engineer-in-Charge /Architect and Contractor. This programme will take into account the time of completion period of the Contract.

The Contractor shall scrupulously adhere to the Targets / Programme by deploying adequate personnel, Construction Equipment, Tools and Tackles and also by Timely Supply of required materials coming within his scope of supply as per Contract. In all matters concerning the extent of target set out in the monthly programme and the degree of achievement, the decision of the Engineer-in-Charge /Architect will be final and binding upon the Contractor.

Contractor shall give their work schedule/plan for completion of the works immediately after receiving the work order.

### **3. Temporary Works**

All temporary works, enabling works, including preparation and maintenance of approaches to working areas, adequate lighting, wherever required, for execution of the work, shall be the responsibility of the Contractor and all costs towards the same shall be deemed to be in the contractors scope.

### **4. Quality Assurance**

Detailed quality assurance program to be followed for the execution of Contract under various divisions of works will be mutually discussed and agreed to.

The Contractor shall establish, document and maintain an effective quality assurance system as outlined in the specifications and various codes and standards.

The Owner/Consultant or their representative shall reserve the right to inspect/witness, review any or all stages of work at shop/site as deemed necessary for quality assurance and / or timely completion of the work.

In case Contractor fails to follow the instructions of Engineer-in- Charge with respect to above clauses, next payment due to him shall not be released unless and until he complies with the instructions to the full satisfaction of Engineer-in-Charge.

### **5. Labor License**

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Before starting of work, Contractor shall obtain a license from concerned authorities under the Contract labour (Abolition and Regulation) Act 1970, and furnish copy of the same to Owner.

## **6. Labour Relations**

In case of labour unrest/labour dispute arising out of non-implementation of any law, the responsibility shall solely lie with the Contractor and they shall remove/resolve the same satisfactorily at his cost and risk.

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst his staff and labour and to preserve peace and protection of persons and property in the neighborhood of the Works against such conduct.

## **7. Site Cleaning**

The Contractor shall clean and keep clean the work site from time to time to the satisfaction of the Engineer-in-Charge /Architect for easy access to work site and to ensure safe passage, movement and working.

The Contractor shall dispose off the unserviceable materials, debris etc., to the earmarked area within the premises or any other location outside the premises as per the Contract and/or as decided by the Engineer-in-Charge. No extra payment shall be paid on this account.

## **8. Review/Approval of Drawings, Design and other documents submitted by Contractor**

TIFR-TCIS, HYDERABAD/Consultant will normally require and utilize a maximum time frame of seven (07) working days from the date of Receipt for Review/Approval of Drawings and other documents submitted by Contractor. Upon Review of the submitted documents, TIFR-TCIS, HYDERABAD may give their comments and ask for modification/resubmission after necessary rectifications/ modifications and the time frame of 7 working days will be applicable for same.

## **9. Protection of Existing Facilities**

Contractor shall obtain all clearance (work permit) from the Owner, as may be required from time to time, prior to start of work. Work without permit shall not be carried out within the existing premises.

Contractor shall obtain plans and full details of all existing and planned facilities/services/utilities from the Owner and shall follow these plans closely at all times during the performance of work. Contractor shall be responsible for location and protection of all facilities/utilities and structures at his own cost.

Despite all precautions, should any damage to any structure / utility etc. occur, the Contractor shall contact the Owner / authority concerned and Contractor shall forthwith carry out repair at his expenses under the direction and to the satisfaction of Engineer-in- Charge and the Owner/concerned authority.

Contractor shall take all precautions to ensure that no damage is caused to the existing facilities etc., during construction. Existing structures/ facilities/ utilities damaged / disturbed during

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construction shall be repaired and restored to their original condition by Contractor after completion of construction to the complete satisfaction of Owner.

### **10 Work Front**

The work involved under this Contract may include such works that have to be taken up and completed after other agencies have completed their jobs. The Contractor will be required and bound to take up as and when the fronts are available for the same and no claim of any sort whatsoever shall be admissible to the Contractor on this account. Only extension of time limit shall be admissible, if the availability of work fronts to the Contractor are delayed due to any reason not attributable to the Contractor and the same is clearly recorded. However the extension of the time period to be approved by the Engineer-in-Charge.

### **11. Site Facilities**

The Contractor shall arrange for the following facilities at site, for workmen deployed/engaged by him / his sub- contractor, at his own cost:

- a) Arrangement for First Aid.
- b) Arrangement for clean & potable drinking water.
- c) Contractor's Site Office and Stores

Owner shall provide land only for contractor's site office and stores and fabrication yard, if any at site. However, same shall be dismantled prior to submission of Final Bill.

The Contractor shall remove all temporary buildings / facilities etc., before leaving the site after completion of works in all respect.

### **12. Construction Power and Water**

Owner shall not provide power and the Contractor shall be exclusively responsible to make his own arrangements for supply of power, without any extra cost to the Owner.

Water required for the works shall be arranged by the Contractor. The contractor has to make all necessary arrangement for drawing water including making temporary storage, pumping etc.

### **13. Cement & Steel (if required according to the scope of work):**

Cement required for execution of the job under the scope of this tender shall be supplied by the contractor at his own cost. Cement used shall be 53 grade Ordinary Portland cement (OPC) for all concrete works and 43 Grade Ordinary Portland cement (OPC) for other works. In case 43 grades OPC is not available, Portland Slag Cement or Portland Pozzolan Cement may be permitted by TIFR-TCIS, HYDERABAD after review of the same. Contractor to include the cost of cement required for execution of various items included in this tender in their quoted rates. Cement shall be of Grade as specified in the SOQ and shall conform to relevant BIS standards of latest edition.

The contractor will be required to maintain a stock register for receipt, issuance and daily consumption of cement at site. Cement shall be regulated on the basis of 1st receipt to go as 1st

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issue. Cement not consumed within 3 months after bringing to site shall not be used and shall be removed from site with prior written permission of EIC.

Contractor shall construct suitable temporary godown at site for storage of cement under his lock and key. The contractor will be fully responsible for safe custody of cement.

TIFR-TCIS, HYDERABAD will not entertain any claims by the Contractor for theft, loss or damages to cement. Contractor shall not remove from the site any cement bags at any time.

Entire quantity of reinforcement steel required for the project shall be supplied and provided at site by the contractor at his own cost. TIFR-TCIS, HYDERABAD shall not supply any reinforcement steel. The contractor shall make necessary arrangement at his own cost for unloading, storage of steel in the open duly fenced under locking arrangement. The Contractor shall produce invoice for the reinforcement steel to EIC for every batch of procurement along with Manufacturer's Test Certificate.

No payment will be made or measurement recorded for binding wires which shall be of specified gauge and shall be provided by the contractor. All binding wires required for tying the reinforcement in position etc. will be supplied by the contractor. Cost of this binding wire and labour will be included in the item for binding and placing reinforcement in position.

It will be necessary that the contractor get the cement and steel tested at his own cost at TIFR-TCIS, HYDERABAD approved student as per the testing schedule or as per the EIC's advise.

The contractor will be required to maintain a register for recording details of steel receipt, steel utilised and balance at site.

In every case, it shall be the contractor's responsibility to ensure the standard of quality and the correctness of quantity of steel procured at site by him.

#### **14. Rules and Regulations**

Contractor shall observe in addition to Codes specified in respective specification, all national and local laws, ordinances, rules and regulations and requirements pertaining to the work and shall be responsible for compliance to the same.

#### **15. Procedures**

Various procedures and method statements to be adopted by Contractor during the construction as required & sought by TIFR-TCIS, HYDERABAD and as per the respective specifications shall be submitted to Engineer-in-Charge /Architect in due time for approval.

#### **16. Security**

As the premises at TIFR-TCIS, HYDERABAD is a protected area, entry into the area shall be restricted and may be governed by issue of photo gate passes. The Contractor shall arrange to obtain through the Engineer-in-Charge, well in advance, all necessary entry permits/gate passes for his staffs and labourers and entry and exit of his men and materials shall be subject to vigorous checking by the security staff. The Contractor shall not be eligible for any claim or extension of time whatsoever on this account.

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It shall be the responsibility of the contractor to safeguard all his materials/owned from theft, damage etc. For this purpose the contractor shall be allowed to keep his own security inside TIFR-TCIS, HYDERABAD premises.

### **17. Drawings and Documents**

Drawings accompanying the Bidding Document are indicative of scope of work and issued for bidding purpose only. Purpose of these drawings is to enable the bidder to make an offer in line with the requirements of the owner.

The contractor as per 'scope of work' shall carry out preparation of detailed shop drawings. Detailed drawings as needed shall be prepared by contractor and got reviewed/ approved by Engineer-in-Charge/ Consultant before taking up the work.

### **18. Contractor's Billing System**

TIFR-TCIS, HYDERABAD will provide an approved format for Measurement sheets, Bill Summary and Bill Abstract. Contractor has to ensure that these data are updated for each subsequent RA and Final Bill.

TIFR-TCIS, HYDERABAD will utilize these data for processing and verification of the Contractor's bill.

Contractor's RA Bills shall be accompanied by progress photographs.

### **19. Site Organization**

The Contractor shall without prejudice to his overall responsibility to execute and complete the works as per specifications and time schedule progressively deploy adequate qualified and experienced personnel together with skilled / unskilled manpower and augment the same as decided by Engineer-in-Charge /Architect depending on the exigencies of work to suit the construction schedule without any additional cost to Owner.

The Contractor shall provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer-in-Charge /Architect may consider necessary for the proper fulfilling of the Contractor's obligations under the Contract Such superintendence shall be given by sufficient persons having adequate knowledge of the operations to be carried out (including the methods and techniques required, the hazards likely to be encountered and methods of preventing accidents) for the satisfactory and safe execution of the Work. The workmen deployed by the Contractor should also possess the necessary license etc., if required under the existing laws, rules and regulations.

### **20. Responsibility of Contractor**

It shall be the responsibility of the contractor to obtain the approval for any revision and/or modifications decided by the contractor from the Owner / Engineer-in-Charge /Architect before implementation. Also such revisions and / or modifications if accepted / approved by the Owner / Engineer-in-Charge /Architect shall be carried out at no extra cost to the owner. Any change required during functional requirements or for efficient running of system, keeping the basic parameters unchanged and which has not been indicated by the contractor in the

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data / drawings furnished along with the offer shall be carried out by the contractor at no extra cost to the owner.

All expenses towards mobilization at site and demobilization including bringing in equipment, work force, materials, dismantling the equipment, clearing the site etc. shall be deemed to be included in the prices quoted and no separate payments on account of such expenses shall be entertained.

It shall be entirely the contractor's responsibility to provide, operate and maintain all necessary construction equipment, steel scaffoldings and safety gadgets, cranes and other lifting tackles, tools and appliances to perform the work in a workman like and efficient manner and complete all the jobs as per time schedule.

Preparing approaches and working area for the movement of his men and machinery.

The procurement and supply in sequences and at the appropriate time of all materials, and consumables shall be entirely the contractor's responsibility and his rates for execution of work will be inclusive of supply of all these items.

#### **21. Coordination with other agencies**

Contractor shall be responsible for proper coordination with other agencies operating at the site of work so that work may be carried out concurrently, without any hindrance to others. The Engineer – in – Charge shall resolve disputes, if any, in this regard, and his decision shall be final and binding on the Contractor.

#### **22. Underground and overhead structures**

The Contractor will familiarize himself with and obtain information and details from the Owner in respect of all existing structures, and utilities existing at the job site before commencing work. The Contractor shall execute the work in such a manner that the said structures, utilities, etc. are not disturbed or damaged, and shall indemnify and keep indemnified the Owner from and against any destruction thereof or damages thereto.

#### **23. Documents required with final bill**

Statement of final bills – issue of No Claim/ No Due Certificate

The Contractor shall furnish a No-Claim/No-Due declaration indicating that there are no balance dues to his sub-vendor/sub- contractors /labour contractors along with the Final Bill.

#### **24. Working hours**

The work shall be carried out if required on round-the clock basis including holidays as it is a Greenfield site. Contractor's quoted rates are deemed to include expenditure towards working on round-the clock basis and holidays. However, Contractor's representative shall be available for overseeing the works at all times.

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## **25. Electrical Cable and Piping Works:**

The furniture shall have adequate provision for vertical/horizontal trunking/casing with running electrical and LAN (IT) services as per requirement indicated in the specifications.

**III. TECHNICAL EVALUATION** - The bids received will first be first opened and will be examined for EMD (As per the guidelines of annexure IV mentioned in this tender), Conditions, etc. Conditional Tenders and Tenders without EMD shall be summarily rejected.

## **IV. TESTS, INSPECTION AND COMPLETION**

### **1. Tests and Inspection**

The Contractor shall carry out the various tests as enumerated in the technical specifications of this Bidding Document and technical documents that will be furnished to him during the performance of the work at no extra cost to the Owner.

All the tests either on the field or at outside student laboratories concerning the execution of the work and supply of materials by the Contractor shall be carried out by Contractor at his cost.

The work is subject to inspection at all times by the Engineer-in- Charge/architect. The Contractor shall carry out all instructions given during inspection and shall ensure that the work is being carried out according to the technical specifications of this bidding document, the technical documents that will be furnished to him during performance of work and the relevant codes of practice.

All results of inspection and tests will be recorded in the inspection reports, pro-forma of which will be approved by the Engineer-in- Charge. These reports shall form part of the completion documents. Any work not conforming to execution drawings, specifications or codes shall be rejected and the Contractor shall carry out the rectifications at his own cost.

### **2. Final Inspection**

After completion of all tests as per specification the whole work will be subject to a final inspection to ensure that job has been completed as per requirement. If any defect is noticed, the Contractor will be notified by the Engineer-in-Charge /Architect and he shall make good the defects with utmost speed. If, however, the Contractor fails to attend to these defects within a reasonable time (time period shall be fixed by the Engineer-in-Charge) then Engineer-in-Charge /Architect may have defects rectified at Contractor's cost by engaging a third party.

### **3. Inspection of Items**

All inspection and tests on the items shall be made as required by specifications forming part of this contract. Various stages of inspection and testing shall be identified after receipt of Quality Assurance Program from the contractor / manufacturer. All incoming materials shall be accompanied by a IMIR (Incoming Material Inspection Report)

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Inspection calls shall be given for association of Owner, as per mutually agreed program in prescribed pro-forma, giving details of item and attaching relevant test certificates and internal inspection report of the contractor.

The contractor shall ensure full and free access to the inspection engineer of Owner at the contractor's premises at any time during contract period to facilitate him to carry out inspection and testing assignments.

The contractor shall provide all instruments, tools, necessary testing and other inspection facilities to inspection engineer of Owner free of cost for carrying out inspection.

Where facilities for testing do not exist in the with the contractor, samples and test pieces shall be drawn by the contractor in presence of Inspection Engineer of Owner and duly sealed by TIFR-TCIS, HYDERABAD engineer and sent for tests in TIFR-TCIS, HYDERABAD approved student at the contractor's cost.

The contractor shall comply with the instructions of the Inspection Engineer fully and with promptitude.

All inspections and tests shall be made as required by the specifications forming part of this contract. All costs towards testing etc. shall be borne by the contractor within their quoted rates.

#### **4. Documentation**

Upon completion of work, the Contractor shall complete all drawings to "As built" status (including all vendor / Sub – vendor's drawings for bought out items) and provide the Owner, the following:

#### **5. Supervisory Personnel**

Qualification and experience of key supervisory construction personnel to be deployed for this works shall be as given here under. CONTRACTOR shall submit bio data of key supervisory personnel meeting the requirement as given hereunder, after award, which will be reviewed and approved by Engineer-in- charge/Architect.

Designation/Category	Minimum Qualification	No. of Personnel	Discipline to which should belong
ENGINEER/ SITE-IN-CHARGE	Degree/Diploma/ITI in with relevant field experience as and when required.	Based on the requirement by the contractor	Mechanical/ Civil/ Architecture / Interior Design / other relevant discipline

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**SECTION-VI**  
**SPECIAL CONDITIONS FOR STUDENT FURNITURE**

**1. INTENT**

The intent of this tender is to provide appropriately designed, modular, flexible, cost effective furniture system. The end result should provide functionally suitable and stable work place with high standards of design and quality of materials used, conforming to bureau international standards of furniture. The finished product should complement the architectural feel and enhance the ambience of the internal spaces.

**2. CONCEPT**

- 2.1 The student furniture system is based on a conceptual division between supply of services of modular work stations, on the one hand, and the storage cabinet on the other along with other items as mentioned in the BOQ.
- 2.2 The design of the system in general must be modular, flexible, yet robust, easily cleanable, aesthetically appealing etc. The design should follow safety norms and should have the ability to make adjustments at a later date by TCIS.
- 2.3 The student furniture must be delivered to the site preassembled and preinstalled at their factory or at site (according to the requirement/instruction of TCIS and functionality of FRET B building) and ensure correctness as per specifications of all the modular components of the furniture

**3. DESIGN OF STUDENT FURNITURE**

- 3.1 In addition to the required functionality, the student furniture must feature an uniform design. Each of the components must show its worth as a component of the student furniture system. The student furniture as a whole must be graceful and homogenous in appearance (geometry, height and depth structures, joints, holds and colors). The bench system should be designed, on grid dimensions as specified in the tender document. The individual elements must be capable of being assembled to suit the end user needs and not necessarily as indicated in the drawing, i.e., flexibility component should prevail in the design itself provided the overall design concept is adhered. Student workbenches are positioned as shown in the drawings enclosed with reference to the site. The contractor/vendor is suggested to make a site visit and take proper measurement of the site before proposing the design.
- 3.2 The individual items of furniture, like the student workstation, under bench units (pedestals on castors), pigeon hole storages etc. are described in the following sections, concerning geometry and basic material. The schedule of quantities is made up of these individual components. The composition of individual components, for workplaces with

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specifications for services assembly, etc., occurs singly or en masse. Unnamed component parts such as fastening elements, product-specific small parts, etc. which are required to make the system totally functional, are to be taken into account in the design by the tenderers.

- 3.3 **The tenderers must have an initial inspection of site** to acquaint themselves with prevailing conditions at site. If they want, they can take measurements at site after getting necessary approval from officer in charge/TCIS furniture committee.
- 3.4 Along with the tender, the tenderer must submit operating and maintenance guidelines for the student furniture system. Appropriate information must be attached concerning the construction features having to do with stability, load-bearing capacity and functionality. The determined grid dimensions must be adhered to the BOQ and specification mentioned in the tender document.
- 3.5 Any variation in the material thickness and deviations in specifications, functionalities must be clearly brought out with the tender submission. In case the proposals are not up to the mark TCIS reserves the right to reject the proposals based on the technical evaluation and quality parameters of the institute.
- 3.6 All test reports to be submitted by the contractor. TCIS reserves the right to have the quality of the materials tested independently.
- 3.7 Successful tenderer shall submit the following before execution:
  - (i) Shop Drawings: The student furniture manufacturer shall furnish shop drawings in hard copy and soft copy (both two dimensions & three dimension with the feature of 360degree view along with pan and zoom option in the soft copy file in DWG/RVT/DXF or other compatible popular software format), showing enclosures, cabinets, hardware, etc., complete with numbers and names of all items and details including construction kinds and gauges of materials for cupboard, cabinets, benches and all other items necessary to complete the work. In addition, it is the responsibility of the furniture manufacturer to flag any deviations in dimension, material detail, etc. The Furnish shop drawings should be rendered with actual proposal of materials that will be used.
  - (ii) The drawings attached along with the tender document specify the overall sizes and basic material required by TCIS. The tenderers have to propose the standard components of furniture and indicate clearly, in the form of drawings and detailed specifications, all the components that they propose in the design of each and every item of furniture as indicated in the drawings and schedule of quantities. In case of any deviation (in terms of dimension, material of construction and specification), it should be brought under the notice of the officer in charge and has to be clearly mentioned in the deviation statement attached along with the tender document. The deviation statement will be reviewed properly by furniture committee and TCIS reserved the right to disqualify the vendor/tenderer in technical evaluation stage if the deviations aren't satisfactory enough with the current specification

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- (iii) Samples of materials: The student furniture manufacturer shall furnish samples of all materials including colour and finishes of these materials from which the casework and other items will be constructed, for approval by the TIFR-TCIS committee before fabrication of casework starts. Furnishing samples is a part of the work and are not paid separately.
  - (iv) Certificates and Test reports: The student furniture Manufacturer shall submit certified test reports as per standards mentioned in the tender.
  - (v) They shall also co-operate and co-ordinate with other agencies working at the site.
  - (vi) Covering the flooring already laid shall be included in their scope in order to prevent damage to the flooring. Similarly, care to be taken not to damage and any other finishes and fittings already executed in the Building. Any damage on the finishes shall be made good by contractor at their own cost.
  - (vii) The successful tenderer shall ensure that the finishes already executed by other agencies shall be untouched. Damages, if any, shall be made good by them.
  - (viii) Keeping the site in a clean and tidy condition always and clearing all debris from the site, then and there, is included in the scope of work, and has to be strictly followed.
- 3.8 The successful tenderer who will be awarded the tender must fabricate and install a prototype of a cluster of 2 unit of student workstation with all the specification as mentioned in the tender document and the under bench units, including all components and fixtures, for inspection by TCIS, as a part of the mock up design presentation, without any extra cost to TCIS. Suggestions by TCIS shall be incorporated and changes made accordingly in the final supply. The prototype shall be installed and ready for inspection by the duly constituted committee as per the date informed to the successful tenderer after awarding the tender. TCIS expects that mock up can be presented at the site by the vendor and can be reviewed by the furniture committee members. No freight charges will be provided for bringing the mockups.

#### **4 FURNITURE STANDARDS AND CERTIFICATION**

- 4.1 The design shall conform to Indian/international standards for furniture design.
- 4.2 The tenderers shall furnish ISO /BIS certification for entire product range.
- 4.5 **Patents & Awards**, if any, attested on the technological lead, shall also be furnished in the Technical and commercial part.

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## 5 **SCOPE OF WORK**

5.1 The tenderer shall visit the site to understand the site conditions and constraints before design and prior to submission of tender. The successful tenderer shall again study the site and take necessary measurements prevailing at site prior to taking action on fabricating the units.

**5.2 The tenderer shall design, fabricate, supply and install the student furniture as per requirement specified in the Schedule of Quantities and indicative drawings. He may sought clarification during the pre-bid meeting through proper channel.**

5.3 The scope of work includes all raw materials, tools, manpower, designing, fabrication, supply and installation of student related furniture items like workstations, pigeon hole storages, under bench storage units, stand-alone storage units, and all other item as mentioned in the BOQ.

5.4 Tenderers may be called for technical clarifications and presentation of their design. They should be able to attend such meetings in short notices.

5.5 TCIS may inspect similar works undertaken by them in Hyderabad if required. Tenderers shall arrange to take permissions from such works, for the inspection.

5.6 Tenderer shall submit prototype (mock up) as already specified in para 3.8 above.

5.7 Kindly refer Section VII further for scope of work.

## 6 **TENDER CURRENCY FOR IMPORTED ITEMS –**

6.1 A foreign Tenderer has to engage with an Indian agency and authorize them to carry out particular services in connection with its bid and shall also furnish the following information:

(i) The complete name and address of the Indian Agency and its Permanent Account Number as allotted by the Indian Income Tax authority.

(ii) The details of the services to be rendered by the agent for the subject requirement.

6.2 Similarly, Indian Agency authorized by a foreign Student design and manufacturer shall furnish the authorization letter and agreement signed between the two parties for the services both would render mutually to complete the work assigned vide this tender.

6.3 The Tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees. Further, imported goods to be imported and supplied by the Tenderer are also required to be quoted in Indian Rupees.

6.4 For imported goods if supplied directly from abroad, prices shall be quoted in any convertible currency say US Dollar, Euro, GBP or Yen. As regards price (s) for allied

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services, if any, required with the goods, the same shall be quoted in Indian Rupees only, if such services are to be performed / undertaken in India. The payment will be made against direct imported items as per TIFR-TCIS standard terms & conditions.

7. Tenders where prices are quoted in any other way, shall be treated as non – responsive and rejected.

#### **8. Conversion of tender currencies to Indian Rupees:**

In case of the Tender wherein their quote is in different currencies, all such quoted prices will be converted to a single currency viz., Indian Rupees for the purposed of equitable comparison and evaluation, as per the closing exchange rates established by the Reserve Bank of India for similar transactions, as on the 'Last Date for Submission of Tender' / exchange rate as prevailing on the date of tender opening.

#### **9 TERMS & CONDITIONS TO THE TENDERER:**

- 9.1 The work to be done (as per schedule of quantities) consists of all raw materials, tools, implements, equipments, and services etc., required to execute the work specified in the tender, in accordance with the tenderer's design and details and final approved shop drawings etc., which include everything requisite and necessary to complete the entire work. Notwithstanding the fact that every item necessarily involved may not be specially mentioned, all work when finished will be delivered in a complete and undamaged state.
- 9.2 Conditions of contract and the drawings shall be read in conjunction with the specifications and matters referred to in the schedule of quantities, shown or described in one and not necessarily in the other. Any ambiguity in the Technical Specifications, Schedule of Quantities and the Drawings shall be referred to the Officer In-charge for clarifications.
- 9.3 The prices quoted shall include packing, loading, transportation, unloading charges and any other unforeseen expenditure which may be incurred by the tenderers to fabricate and supply the items of furniture to the site including all leads and lifts (whichever floor the furniture items is intended to be positioned). Total value of the work described in the Schedule of quantities shall be inclusive of all cost and expenses which may be required in and for the execution of the work described together with all general rules, liabilities and obligations set forth or implied in these documents. TCIS shall not supply any material towards this work, unless otherwise specified.
- 9.4 The total value of work will be inclusive of all duties, taxes and levies including Excise duty / Custom duty / VAT/ Sales Tax / Works Contract Tax etc., as may be applicable and each such component should be indicated separately in the SOQ. This is required for availing any exemption permissible by this department, for which required documents will be furnished to the successful tender.

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- 9.5** TCIS is also eligible to avail Custom Duty Exemption in accordance with Notification No. 51/96-customs dated 23.07.1996 as amended by GOI Notification No. 93/96 customs dated 11.12.1996, 19/97 dated 01.03.1997, 28/98 dated 02.06.1998, 20/2000 dated 01.03.2000, 24/2002 dated 2002, however the custom duty component should be indicated separately.
- 9.6** It may also be noted that TCIS is eligible to avail Excise Duty Exemption under notification number 10/97 however the excise duty and the custom duty component should be indicated separately.
- 9.7** The rates shall hold good for the sizes specified in the drawings and schedule of quantities, vide this tender and all items shall be supplied based on prevailing measurements at site. If the variation in measurement affects the overall layout of the furniture to be adjusted in the site then such variation will stand invalid and tenderer should adhere the measurement as specified in the drawings. Any variation in terms of measurement should be brought in notice of the officer-in-charge.
- 9.8** Rates shall be valid for a period of one year and if required by the department, the Selected Agency shall further take up such works which may be required from time to time within the one year period, with similar specifications, at the same rates or at the rates derived from the agreed rates of similar items, vide this tender, in case of any change in dimensions and sizes.
- 9.9** The Selected contractor shall be responsible for storing, handling, transporting and custody (including safety) of all materials covered in this Contract including loading and unloading of materials as required. They shall make their own arrangements for completing the work and cleaning as per the instructions of the Officer In-Charge. They should keep the premises of the work place always clean and tidy.
- 9.10** Similarly, any damage to any other person/persons at the Centre or premises or building is attributable to the Tenderers, such damages shall be made good by the selected contractor. Till the work is completed in all respects and handed over to TCIS, it is the responsibility of the Tenderer to protect his materials from theft, damages due to fire or any such causes. Any dust, rejected or damaged materials, debris etc., generated out of the work should be cleaned and If the cleaning is not done same day, it will be got done by TCIS and the cost recovered from the bills of the Tenderers.
- 9.11** Selected contractor shall note that the furniture items will be fabricated in their workshop, tested, preassembled before delivery to site. All installation works shall be undertaken by experienced technicians under the able guidance of a qualified site engineer nominated by the Contractor.
- 9.12** During installation of the Modular components of student furniture at site, the selected contractor shall follow all security rules as may be existing at TCIS Campus, with respect to material movement, entry of personnel etc.

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- 9.13** At TCIS work shall be restricted between 09:00 hours and 18.00 hours generally on week days, from Monday to Saturday. However, this may be relaxed with prior written intimation requesting for extra working hours, both on week days and holidays, to facilitate early completion.
- 9.14** All finished products shall be well packed and delivered to the TCIS campus at survey number 36/P Gopanpally, Seringampally Hyderabad. The Contractors shall make good any damage to the finished product during transportation to TCIS or installation at site.
- 10** The rates quoted by the Manufacturers shall be taken as net and nothing extra shall be paid on any account i.e. royalty, cartage, sales tax, excise duty and stacking at required places etc.
- 11** The rates for different items of work shall apply for all heights and depths, leads and lifts unless otherwise specified in the agreement or specifications applicable to the agreement.
- 12** The Manufacturers shall submit a detailed programme of work within 03 days of the date of issue of work order. Detailed programme should include all the mile stone, cash flow, material procurement, manpower deployment. Program must show clearly the critical path to complete the project in time. The Engineer-in-Charge can modify the programme and the Manufacturers shall have to work accordingly. During review of work progress, Engineer in Charge can ask to modify the programme. Manufacturers shall resubmit the modified programme within 2 days.
- 13** The quantities of each item shall not be exceeded beyond the agreement quantities without prior permission of Engineer-in-Charge. However TCIS reserves the right to decrease/increase the quantity of items as mentioned in BOQ/SOQ and readjust the work order based on the pricing of every item against necessary approval.
- 14** The Manufacturers shall make his own arrangement for getting the permission to ply the trucks from the traffic police.
- 15** No payment shall be made to the Manufacturers for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work. The damage caused to work shall have to be made good by the Manufacturers at his own cost and no claim on this account shall be entertained. Manufacturers are required to obtain insurance for the entire value of the material from the time of transportation from their unit to site and till handing over of completed work to the Engineer-in-Charge/Architect of TIFR-TCIS, Hyderabad.
- 16** Other agencies may also simultaneously be executing the work of electrification, Air Conditioner or external services and other building works for the same building. Along with this work. The Manufacturers shall afford necessary facilities for the same and no claim in the matter shall be entertained. The Manufacturers shall especially co-ordinate with the other agency carrying out his work.

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- 17** Some restrictions may be imposed by the security staff or other authorities on the working and or movement of materials, etc. It is the responsibility of the vendor/tenderer to deal with such restrictions / instructions and nothing shall be payable on this account by TCIS to the Tenderer/Vendor.
- 18** The Manufacturers shall take all precautions to avoid accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part. TCIS will not be responsible if any worker representing/employed by the vendor/tenderer suffers an accident at the site which leads to hospitalization and medication. TCIS will not entertain any claims for compensation made by vendor in such cases. The same stands valid in case of life loss of any worker employed by the vendor at the site. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.
- 19** The Manufacturers shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work. TCIS will not be responsible for any type of pilferage that might happen at the site.
- 20** Any reference made to any Indian Standard (BIS) Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Manufacturers shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
- 21** Maintenance of Register of Tests (if required) - All the registers of tests carried out at Construction Site shall be maintained by the Manufacturers and shall be furnished which shall be issued to the Manufacturers by Engineer-in-Charge.
- 22** The Manufacturers shall execute /make good or any minor civil/ electrical /mechanical or other related allied works to complete the work as per the direction of engineer-in-charge.
- 23** DEFECT LIABILITY PERIOD SECURITY:  
The following defects are to be rectified/repairs are to be done during the entire defect liability period from date of completion:

- i. Termite in MDF Board.
- ii. Defects in the lockable castors.
- iii. Peeling off of PVC lipping from edges.
- iv. Cracks in lamination.
- v. Fading/peeling off of powder coating or paint or anodic coating or any other coat /veneer.
- vi. Malfunctioning of the levers of pull out drawers on the pedestal units.
- vii. Fading/tearing of fabric on chair.
- viii. Breaking/Cracking of Ply wood.

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- ix. Rusting of metallic part.
- x. Loosen of any screws/slides/fasteners/guide fixtures/ gaskets/ washers/ bolts /nuts/ clamps brackets/rollers/castors/hardware etc.
- xi. Bulging/bending/splitting of wooden parts/boards/Laminates etc.
- xii. Loosing/Malfunctioning of joints
- xiii. Any other defect as notified by the Engineer-in-Charge/architect.

**24** If any defects are noticed in any of the furniture supplied by the agencies during the entire defect liability period, it shall be rectified/replaced by the Manufacturers within three days of issuing of notice by the Engineer-in-Charge / Architect and, if not attended to, the same shall be got done by Engineer-in-Charge / Architect through other agency at the risk and cost of the Manufacturers and recovery shall be effected from the amount retained towards guarantee. The defect liability security can be released in full, if bank guarantee of equivalent amount, valid for the duration of extended defect liability period, is produced and deposited with the Department.

**25** This defect liability period security amount withheld will be refunded to the Manufacturers on satisfactory completion of the entire defect liability period as per recommendations of the Engineer-in-Charge/Architect.

**26** The complete system shall have facility to remove element/module/unit individually without affecting adjoining element / module/ unit for maintenance/ replacement purpose for subsequent changes.

**27** The complete partitions and all the individual basic elements/ modules/ units shall meet structural stability/ rigidity requirements and be provided without any extra cost to the department.

**28** All hardware components like clamps/ nut / bolts/ washers, screws, gaskets, fitting and fixture, brackets, roller/ guide/ slide, casters, hardware etc. as may be required or are forming integral part of the system/ basic elements / modules/ units for construction/ installation shall meet relevant structural and other requirements and be provided without any extra cost to the department.

**29** All wood / wood based material shall be given appropriate anti-termite and fire retardant treatment. All the exposed surfaces of all the Aluminum / MS sections / covers etc., Shall be powder coated with 50 micron thick in desired shade.

**30** All the materials used for the works shall meet relevant BIS or other applicable standards (latest revision). All MDF board (emission category E-1) shall be of Grade-1 having chemical resistant lamination of approved color on exposed face and balancing lamination on the unexposed face.

**31** All basic elements / modules / units shall be machine made in factory and only assembly/ erection/ installation shall be done at site. The manufacturing factory shall be fully equipped with adequate machinery for achieving desired quality of workmanship as well as timely supplied. Engineer-in-charge shall, if required, inspect

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the factory during the manufacturing process and the Manufacturers shall make all necessary arrangements for inspection of the team of Engineer-in-charge.

- 32** All the materials brought to site shall be protected suitably, duly wrapped / packed and stored so as to avoid any damage during loading/ transportation/ unloading/ handling / installation/ erection or due to weather conditions etc. at any stage.
- 33** The Manufacturers shall provide necessary cut out for computer, telephone and power outlets as per the approved sample/ shop drawing without any extra cost to the department.
- 34** All the edges of the MDF boards except those which are post formed shall be sealed with PVC edge banding tape of 2mm thickness have primer at the back. The edge banding tape shall be rounded to a radius of 2mm to 3mm at hot edges and shall be not melt, glued on edge banding machine.
- 35** All the post formed tops, work surfaces etc. shall have balancing lamination on the unexposed surface.
- 36** The Resins used in the furniture shall be of Phenol Formaldehyde and not of Urea Formaldehyde.
- 37** The bidder has to give an undertaking that all items supplied by him are strictly as per schedule of quantity part of the agreement.
- 38** The Manufacturers shall produce all the materials well in advance so that there is sufficient time for testing of the materials and clearance of the same before incorporation in the work.
- 39** The Manufacturers shall produce on demand from Engineer-in-charge, the approved manufacturers' certificates certifying that the materials conform to the technical specifications. For other materials which are ISI/ BIS marked, approved manufacturer's certificate shall be considered as fulfilling the mandatory test requirement. However in case Engineer-in-charge feels that the material supplied is not of required specifications even if it is ISI/BIS approved and have approved manufacturers certificate, he can send the sample to the approved lab for testing.
- 40** For any tests if required as directed by the Engineer-in-charge, the cost of materials, transport etc., shall be borne by the Manufacturers.
- 41** The necessary tests shall be carried out on the items supplied and testing charges i/c transportation i/c packing etc. to Student. Shall be borne by the Agency (2 samples of each item supplied shall be tested as per nomenclature or specification of item). The samples shall be provided by the Agency free of cost. The testing shall be carried out in any Govt. Student. /Public Undertaking Student./IIT or NIT Student./Government Engineering College as approved by Executive Engineer.

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- 42 The Manufacturers shall permit the Engineer-in-charge or his authorized representative to be present during any of or all the tests. The notification to the Engineer-in-charge that the work has been completed, the Manufacturers shall make under the direction and in the presence of Engineer-in-charge such tests and inspections as have been specified or as the engineer-in-charge shall consider necessary to determine whether or not the full intent of requirements of the plans and specifications have been fulfilled. In case the work does not meet the full intent of the specifications it shall be rectified by the manufacturers at no extra cost and the manufacturers shall bear all the expenses for any further tests considered necessary.
- 43 The Manufacturers shall arrange for conducting the tests specified in Quality Plan in the presence of an officer, authorized by the Engineer-in-Charge. Full records of all the tests conducted shall be maintained by the Manufacturers in the format given by Engineer-in-Charge which will be made available to the Engineer-in-Charge or to any officer authorized by him whenever required.
- 44 The Engineer-in-Charge or his representative shall be free to visit the approved manufacturer work at all reasonable times to witness and inspect the testing of furniture. It is the duty of tenderer to see that all the furniture supplied are tested as per relevant IS specifications. The Manufacturers shall furnish approved manufacturer test certificate for the routine and type test conducted on the furniture offered if necessary the Manufacturers shall arrange to conduct the entire routine test at the approved manufacturer premises in presence of Engineer-in-charge or his authorized representative on receipt of material/equipment at site the tenderer shall offer equipment/material for inspection and get approved before installations.
- 45 The agency shall have to make his own arrangement for housing facilities for their workers away from construction site and shall have to transport the workers to and fro between site and worker's camp at his own cost. TCIS will not provide accommodation to the workers from the side of the vendor/tenderer.
- 46 Minor variations (up to +/- 2.5%) in the dimensions of items manufactured by approved brands, may be accepted. However, the decision of the Engineer-in-Charge/Furniture Committee, in this regard will be final and binding on the bidder.
- 47 While installation of modular furniture, existing flooring shall be protected by using PVC sheet/ card board/ foam sheet to avoid scratches/ damages for which nothing extra shall be paid.
- 48 COMPLETION PERIOD – All works are to be completed in a period of three months from the 15<sup>th</sup> day of issue of communication of the award of work (Total 3 Months), as prioritized by TCIS. The tenderer shall submit the program chart indicating all stages in the process of fabrication, supply and installation of drawing approval, production, delivery all items of furniture. This shall be submitted along with their Technical and Commercial Bid.**

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**SECTION-VII**  
**STUDENT FURNITURE TECHNICAL SPECIFICATIONS**

1. These specifications are intended for general description of quality and workmanship of materials and finished work. They are not intended to cover minute details. The work shall be executed in accordance with best modern practices, using best raw materials, tools, machinery (as listed in the tender document) and workmanship.
2. Any ambiguity or discrepancy between specifications and the description in the schedule of quantities and drawings may be referred to the Officer-in-charge/TCIS student furniture committee after signing of the contract and the Officer-in-charge/TCIS student furniture committee shall give a ruling which shall prevail. However, no claim for additional cost due to above will be entertained. The decision of the Officer-in-charge/TCIS student furniture committee shall be final on any issue arising out of such discrepancies, and binding on the contractor.
3. The Plans and Specifications are intended to include everything obviously required for necessary completion of the work. Notwithstanding the sub-division of the specification into various headings, every part of it is to be deemed supplementary to every other part and is to be read with it, so far as it may be practicable so to do, or when the context so admits.
4. **Drawings:** Schedule of tender drawings are listed in the tender document. These drawings are meant for guidance only. The contractor shall design and fabricate these using their standard components as per details submitted vide this tender in technical and commercial bid and ensure that the end product is modular, flexible, sturdy, functionally suitable and aesthetically appealing. It shall be understood that drawings furnished to the contractor shall be interpreted by the use of given dimensions, and nomenclature only, and that the drawing shall not be scaled.
5. Prior to the execution of the work, the contractor shall check all drawings, co-relate the same with the specifications and relevant schedule of quantities and shall immediately report all errors, discrepancies and /or omissions discovered therein to the Officer-in-charge/TCIS student furniture committee. All such errors discrepancies and/or omissions will be adjusted by the Officer-in-charge/TCIS student furniture committee. Any adjustment made by the contractor without prior approval of the Officer-in-charge/TCIS student furniture committee shall be at his own risk and the settlement of any complications arising from such adjustments shall be made good by the contractor at his own expense.
6. **Shop Drawings:**
  - 6.1 The contractor shall submit 2 sets of shop drawings, both hard copy and soft copy (inclusive of 2d and 3d views) consisting of such detailed drawings or larger scale details of certain parts of the work indicated on the contract drawings. These drawings shall be

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complete and shall contain all required detailed information as may be reasonably required for satisfactory execution of the work.

- 6.2 Approval of the shop drawings shall not be construed as authorizing additional work or increased costs to the department. Any extension of time to cover required changes in the shop drawings to comply with the requirements of the contract specifications, or as suggested by the Officer-In charge shall not be permitted.
- 6.3 Prior to submittal for approval, the contractor shall be responsible for thoroughly checking all drawings, whether prepared by him or by his sub-ordinate, to ensure that they comply with the intent and the requirements of the contract specified layout.
- 6.4 The Officer-in-charge/TCIS student furniture committee will review and return one copy of each drawing to the Contractor, marked either 'APPROVED AS NOTED', 'UNAPPROVED OR APPROVAL NOT REQUIRED'. When approved, each copy of the drawing will be identified as having received such approval by being stamped and dated. If the drawings are approved as noted, the Contractor shall make the indicated corrections immediately and may proceed with the work as though the drawings had been approved. If unapproved the contractor shall make all required corrections, immediately and resubmit drawings as above until they are approved or approved as noted. However the BOQ and values are limited to the contract / work order value only.
- 6.5 After the contractor has made the corrections to unapproved drawings, the contractor shall submit two copies of each corrected drawings to the Officer-in-charge/TCIS student furniture committee who will return one approved copy to the contractor.
- 6.6 The approval of the drawings by the Officer-in-charge/TCIS student furniture committee shall not be construed as a complete dimensional check, but will indicate only that the general method of construction and detail is satisfactory. Approval of such drawings will not relieve the contractor of the responsibility for any errors or compliance with requirements of the contract plans and specifications. The contractor shall be responsible for the dimensions and design of adequate connections, supports, details and satisfactory construction of the work, any fabrication, erection, setting or other work done in advance of the receipt of approved drawings shall be done entirely at the contractor's risk.

## **7. Progress and completion :**

The time allowed for carrying out the work as entered in this tender shall be strictly observed by the contractor and shall be deemed to be the essence of the contract on the part of the contractor and shall be reckoned from the 15<sup>th</sup> day of issue of work order / letter of intent. It is the responsibility of the contractor to mobilize suitable manpower and raw materials and make actual progress in work so as to adhere to the time allowed for completion of the entire work. Monsoon or inclement weather will not be considered reason for extension of time. The contractor shall submit the time schedule for completion of the entire work for the approval of the officer In-charge and such approved programme shall be strictly adhered to by the contractor.

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8. The raw materials and manufacturing process proposed to be used by the contractor for fabricating the items in the Schedule of Quantities shall conform to relevant IS Codes, wherever applicable. For specifications of various applications the MANUFACTURER'S MANUAL shall be followed.
9. The contractor shall be responsible for protecting all items of work done by him. The contractor shall replace at his own expense any damaged work caused through lack of adequate protection or care in installation or handling.
10. The adhesives used for all wood work/MDF shall be FEVICOL or approved equivalent of appropriate grade. Manufacturer's recommendations shall be followed for adhesive other than above required for any specified/specialized work.

## **11. Metal components & Powder Coating Finish**

- 11.1 All metal components shall be treated and free of scale, without rugged edges, scratches or other injurious effects. Wherever welding is required it shall be done without visible seams, spot-welded seams are not acceptable. All welded parts are ground and filed to a smooth finish so that after welding & powder coating the frame work shall have flawless appearance and without dents. Sharp profile or plate edges, bore hole edges and exterior corners are not acceptable. All open ends of pipes are covered with end caps. It must be possible to level each element individually. Open threaded rods with ball heads and plastic base plates are not acceptable. The frames shall include bore holes for worktop mounting, supporting elements etc., The frames shall have height adjustable feet with levelers for regulating heights easily up to 30 mm with necessary adjustments for steady positioning. The frames shall be held by these feet and raised from the floor by 30 mm for easy cleaning of the floor, and individually adjustable.
- 11.2 The metal components shall be powder coated after pre-treatment including de greasing, de rusting, phosphating, passivation, and rinsing between every stage of pre-treatment. The material is then pre heated 150-170 deg C and cleaned with fine cloth. Required color of powder coating is loaded in to a gun and sprayed uniformly on the whole surface, to achieve 60 microns adhesion to the metal components. The powder coated material is finally heated in a chamber to a temperature of 200 deg C for about 10 min and cooled for another 10-15 minutes.

## **12. Glass and Glazing**

- 12.1 The contractor shall furnish all materials, tools, appliances, equipment and incidentals required to complete the installation of all glass and related items. All glass shall be first class in every respect, reasonably free from blisters, stains, scratches and bubbles so as not to disturb the visibility through the glass. The contractor shall cut glass sizes by field measurements or dimensionally approved shop drawings. The responsibility for correct glass sizes shall rest with the contractor. No cracked, chipped or disfigured glass shall be accepted. Glass for all glazing work shall be float glass. The tinting/toughening of the glass/ laminated glass, where proposed shall be carried out to the best standards available.

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12.2 Before installation the contractor shall ensure that all glazing rebates are square, plumb and true in plane, clear, dry and dust free, all frame adjustments are made prior to glazing, all glass edges, are clear cut to exact sizes, allowing expansion tolerance as recommended by the glass manufacturer, glass shall not be forced into place.

### 13. Completion

Upon completion of the work all surfaces shall be thoroughly cleaned, paint/excess sealant or other marks removed. Any cracked, scratched, chipped or other defective glass shall be removed and replaced without extra cost to TCIS.

#### 13.1 Desk based work tables and work stations

##### **Supporting work top frame – Legs:**

Legs shall be made of square or rectangular steel tubes, aluminum, specifically with necessary connectors and horizontal tie beams. All metal components shall be powder coated, powder coating shade shall be as per instructions of the officer-in-charge/TCIS student furniture committee. Leg caps and levelers shall be made of engineering grade thermoplastics or SS-304 grade.

#### 13.2 Work station and table tops:

- i. These are to be made of 25 mm thick pre laminated MDFs with post formed (bird beak profile) edge on the front longer side for work stations, with PVC edge band on other three sides. Table top shall be at a height of 730 mm from FFL. Type and color of lamination, edge band shall be finalized by the Officer-in-charge/TCIS student furniture committee. The frame work will have sufficient wall thickness to give a light, sleek appearance, yet be sturdy.
- ii. Privacy panels/separators made of 8 mm laminated (sandwich glass) 4mm + 4mm with kraft paper in between glass), 200 mm height with a sloped profile, to be provided on the sides between adjoining workstations. However, workstation side abutting wall, storage or corner work tables will not need these privacy panels.
- iii. Privacy panels of 400-500 mm high to be provided at the back end, in case of linear workstation and at the centre in case of island workstation. Fabric wrapped pin up boards made of 1.2mm thick GI backing and 9mm thick cellotex soft board with hardwood edging, wrapped with fabric, and a L channel fixed on top of the fabric panel to slide on glass sandwich privacy panel facing the workstations. Extreme care shall be taken to properly stretch the fabric and tuck behind by atleast 75mm all round.
- iv. The worktop should have one desk grommet of standard dimension on the hollow cutout opening of the table top of standard size.
- v. One connection box accommodating 2 Nos. of 5 amp universal sockets and data cum voice terminal point to be placed below the worktop. It should be designed ergonomically. Electrical wires of gadgets, desktops, CPU would go through the desk grommet placed on the work top and get connected to the sockets and data point.

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- vi. Wire managers at 2 levels (one at skirting and one below table top). It should be designed keeping in mind the aesthetics and ergonomics.
- vii. Each **Linear workstation facing the aisle (movement space)** shall be provided with **modesty panel** of aluminum about 600 mm high with powder coated finish and with square perforation of 8-10mm size at 150mm apart in 2 rows).
- viii. **Overhead storages** along the length of the workstation, of depth 350 mm and height 400 mm will be fabricated made of 18/19 mm thick pre laminated MDF and supplied and mounted wherever specified in this tender, using steel tubular frames for supporting these, as an extension to the main frame work of the workstation. The storage units shall be placed at the back end of linear workstation and at the centre of back to back island workstation. The storage unit shall have a vertical divider at the centre and one half will have glass shutter facing one side and the other half shall have glass shutter facing the other side (half-length storage only shall be available for use on each work station in case of island workstations). The remaining portion of the board adjoining the shutter shall be covered with fabric panel.
- ix. However for flexibility of fixing the storages at a later date, whenever required, additional vertical pipe supports required for this purpose to be considered for all workstations.
- x. Additional Overhead storages above linear workstations against walls shall have all glass shutters also fixed to the wall using suitable anchor bolts, as per sizes and heights mentioned in the Schedule of Quantities.

#### 14. Raceways

- 14.1 Metal Raceways with powder coated finish, caps and connectors shall be made in thermo plastic material. The raceways shall have metal separators, for routing raw and UPS power supply cables separately. Wire hangers shall be mounted on the horizontal tie beams wherever required to take care of extra length of hanging wires. Necessary cutouts shall be made in the raceways. Additional squeeze shall be installed for wire access, wherever found necessary. Separate raceways shall be provided for power and data.
- 14.2 Additional vertical pipe raceways to be considered wherever conduits are to be taken from floor other than the typical vertical supports.

#### 15. Pedestal Units

These are made of 18 mm thick pre-laminated MDF boards, with edge bands and are fitted with slides and channels for smooth drawer movement. These shall be provided with central locking arrangement, sleek and elegant metal powder coated handles to the full width of the pedestal units, and with concealed castors. Color scheme shall be finalised as per of the instructions Officer-in-charge/TCIS student furniture committee.

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

## **16. Storage Units – Low, Medium height and Tall Units**

- 16.1 All storage units are 400 mm deep, unless otherwise specified. The carcass is made of 18 mm thick pre-laminated MDF boards, and height adjustable intermediate shelves placed on SS pins / suitable supporters and with PVC edge band. These are provided with 18 mm thick pre-laminated MDF board shutters, with locking arrangement, sleek and elegant stainless steel metal powder coated handles to the full width of the shutters, unless otherwise specified and heavy duty lockable castors.
- 16.2 The low height storage unit shall be 730 mm high with one intermediate shelf in between and with fully opaque shutters.
- 16.3 The medium height storage unit shall be 1200 mm high with two intermediate shelves in between and with fully opaque shutters.
- 16.4 The tall storage unit shall be 2100 mm high with five intermediate shelves in between and with semi opaque shutters, made of 18 mm thick prelam MDF boards with cut out from 900 mm height from the base and 100 mm all round for holding 4 mm thick glass inset. All tall storage units shall be secured to walls with SS clamps.

## **17. Pigeon hole storage units**

The carcass is made of 18 mm thick pre-laminated MDF boards, with edge bands and intermediate horizontals and verticals each provided with lockable shutters, sleek and elegant stainless steel metal powder coated handles to the full width of the shutters and heavy duty lockable castors, with or without drawers, as per relevant drawings and item description in the Schedule of Quantities. Color scheme shall be finalized as per of the instructions Officer-in-charge/TCIS student furniture committee.

- 18. All PVC edge band provided on all open ends of the boards shall be 2 mm thick.
- 19. Color scheme for all the components shall be finalized as per of the instructions of Officer-in-charge/TCIS student furniture committee.

## **20. List of Approved makes.**

- a. The following is the list of approved makes of materials mentioned below.
- b. The contractor shall produce samples, before procurement of the materials, for approval of the Officer In charge. Samples of best quality shall be submitted before procuring.
- c. Where more than one manufacturer is listed, the names are given in the order of preference. The contractor shall quote the rates for the various items of work based on the materials of first preference after ascertaining the delivery schedule of the same. Unless the contractor stipulates in his tender, it shall be presumed that the rates quoted are for material of first preference only and this shall be construed as establishing a standard of quality and not as a limiting competition.

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

- d. In the event, the contractor is permitted to use the material of lower preference because of valid reasons, than the contract rates for the relevant items of work shall be suitably adjusted on the basis of variation in prices of the materials of first preference and those actually used. If the prices of the materials used are higher than the material of first preference, the owner shall not be liable to make any enhanced payment for the affected items of work on this account.
- e. In respect of materials for which approved makes are not specified below, these will be of makes to be decided by Architect / Project Managers and as per samples getting approved.

MATERIAL	MAKE/BRAND NAME
Adhesive	For wood – Fevicol – SH
Steel Tubes and Pipes	Tata Steel, SAIL or approved equivalent
Aluminium	Jindal, Indal or approved equivalent
Hardware	Haffle / Hettich / or approved equivalent
Pre laminated MDF boards	Greenlam, Merino, Century ply or approved equivalent
Locks	Doorset / Hettich / Godrej or approved equivalent
Silicon sealant	GE or equivalent general purpose
Screw	Pentagon, Nettle fold
Laminate	Greenlam, Merino, Century
Glass	Saint Gobin or approved equivalent
Furniture Handles	Doorset / Hettich or approved equivalent
Hinges	Doorset / Hettich or approved equivalent

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

Name of Work:

**Material Specification**

Sl. No.	Item Description	Material	Thickness/Gauge	Final Surface Finish / Coating	Make/Brand	Remarks
<b>1</b>	<b>Work Stations</b>					
a)	Main Supporting Member/Frame work					
	i. Vertical Leg					
	ii. Horizontal Tie Beam					
b)	Work Station Tops					
c)	Raceway					
	i. Vertical					
	ii. Horizontal					
d)	Divider below work station					
e)	Divider for workstation top					
	i. Longer side (back to back)					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:



	ii. Adjoining work station					
f)	Leveler / Adjustable foot					
g)	Supporting system for OH Storage					
h)	Elevated OH Storage					
<b>2</b>	<b>Low, Medium and Height</b>					
a)	Carcass					
b)	Shutters					
c)	Inner Shelves					
d)	Hardware Used					
	I. Handle					
	II. Lock					
	III. Tower Bolt					
	IV. Hinges					
	V. Magnetic Catch					
	VI. Intermediate shelf supports					
	VII. Heavy Duty Lockable Castors					
<b>3</b>	<b>Tall Storage Unit</b>					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

a)	Carcass					
b)	Shutters					
	i. Opaque Portion					
	ii. Glazed Portion					
c)	Inner Shelves					
d)	Hardware Used					
	I. Handle					
	II. Lock					
	III. Tower Bolt					
	IV. Hinges					
	V. Magnetic Catch					
	VI. Intermediate shelf supports					
	VII. Levelers/adjustable foot					
	VIII. Heavy Duty Lockable Castors					
<b>4</b>	<b>Pigeon hole Storage Unit</b>					
a)	Carcass					
	Drawer fronts / Shutters					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

b)	Inner Partitions					
c)	Hardware Used					
	I. Handle					
	II. Lock					
	III. Tower Bolt					
	IV. Hinges					
	V. Magnetic Catch					
	VI. Supports for partition					
	VII. Drawer slides & channels					
	VIII. Levelers/adjustable foot					
<b>5</b>	<b>Over Head Storage Units</b>					
a)	Carcass					
b)	Inner Shelves					
c)	Shutter					
d)	Hardware Used					
	I. Handle					
	II. Lock					
	III. Tower Bolt / Latches					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

	IV. Hinges					
	V. Magnetic Catch					
	VI. Intermediate shelf supports					
	VII. Anchor bolts for fixing to wall					
	VIII. System of fixing to work stations supports					
<b>6</b>	<b>Pedestal Storage Unit</b>					
a)	Carcass					
b)	Drawer Front/Shutters					
c)	Inner Shelves					
d)	Hardware Used					
	I. Handle					
	II. Lock – multi purpose					
	III. Tower Bolt					
	IV. Hinges					
	V. Magnetic Catch					
	VI. Drawer slides & channels					
	VII. Intermediate shelf supports					
	VIII. Levelers/adjustable foot					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

e)	Lockable Castors					
7	<b>Circular table</b>					
a)	Table top					
b)	MS vertical centre leg					
c)	MS base					
d)	Levelers / adjustable foot					

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**FORM - B**

**DEVIATION STATEMENT**

The tenderer shall bring out all deviations from the descriptions in the schedule of quantities in Section –VIII of this tender in the format below.

<b>Sl. No. of item</b>	<b>Description of items</b>	
	<b>As laid by TCIS in this tender</b>	<b>As per tenderer's designs</b>

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**ORGANISATIONAL STRUCTURE**

1	Name & Address of the applicant with Telephone No./Fax No./ Email ID	
2	Address of local office (in Hyderabad/India)	
3	Year of Establishment	
4	Legal status of the applicant (attach copies of original document defining the legal status)	
	a) A proprietary firm	
	b) A firm in partnership	
	c) A limited company or Corporation / Joint venture / Consortia	
5	Names of Directors & other executives with designation to be concerned with this work	
6	Designation of individuals authorized to act for the organization.	
7	Has the bidder, or any constituent partner in case of partnership firm / limited company/ Joint venture, ever been convicted by the court of law ? if so, give details.	

Signature of the Tenderer:

TCIS - TIFR

Date:

Seal:

8	<p>Details of Fabrication unit</p> <p>a. Address</p> <p>b. Area of the unit</p> <p>c. Personnel</p> <p>d. Tools and Equipments</p> <p>e. Details of Testing Student</p>	
9	Any other information considered necessary but not included above.	

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:



**FORM - D**

**PERFORMANCE REPORT OF WORKS**

1	Name of work/Project & Location	
2	Agreement No.	
3	Estimated Cost	
4	Tendered Cost	
5	Date of start	
6	Date of completion	
	i. Stipulated date of completion	
	ii. Actual date of completion	
7a	<b>Whether case of levy of compensation for delay has been decided or not</b>	Yes / No
7b	<b><i>If decided, amount of compensation levied for delayed completion, if any</i></b>	
8	Performance Report	
	i. Quality of work	<b>Outstanding</b> /Very Good/Good /Poor
	ii. Financial soundness	<b>Outstanding</b> /Very Good/Good /Poor
	iii. Technical Proficiency	<b>Outstanding</b> /Very Good/Good /Poor
	iv. Resourcefulness	<b>Outstanding</b> /Very Good/Good /Poor
	v. General Approach & Behaviour	<b>Outstanding</b> /Very Good/Good /Poor

Signature & Seal of

Executive engineer or equivalent

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**FINANCIAL INFORMATION****DETAILS OF ALL WORKS OF SIMILAR NATURE OF ASSIGNMENT COMPLETED DURING THE  
LAST FIVE YEARS ENDING LAST DAY OF THE MONTH MARCH 2016**

- I. Financial Analysis** – Details to be furnished duly supported by figures in balance sheet/profit and loss account for the last seven years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

**Audited Annual Turnover to be certified by Chartered Accountant (CA) for the Last 5 Years.**

<b>S.No.</b>	<b>Financial/ Accounting Year</b>	<b>Profit (Rs.)</b>	<b>Loss (Rs.)</b>	<b>Annual Turnover (in Rs.)</b>
1.	2015-2016			
2.	2014-2015			
3.	2013-2014			
4.	2012-2013			
5.	2011-2012			

Signature of Chartered Accountant with seal

**Note: The above Audited Annual Turnover to be certified by Chartered Accountant (CA) for the Last 5 Years.**

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**  
**Centre for Interdisciplinary Sciences**  
**21 Brundavan Colony, Gandipet Road, CBIT Post Office, Hyderabad - 500 075**

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**FORM-F**

**MAJOR WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST 7 YEARS, ENDING 28<sup>TH</sup> FEBRUARY 2017**

<b>Sl. No.</b>	<b>Name of the work/project and location</b>	<b>Name of the Client</b>	<b>Cost of work in Lakhs</b>	<b>Date of start</b>	<b>Period of Completion</b>	<b>Actual Date of Completion</b>	<b>Name and address/telephone number of officer to whom reference may be made</b>	<b>Final value of the project</b>	<b>Reasons for the variation delay if any</b>	<b>Whether carried out as prime Contractors</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

Credential issued by the Clients shall be enclosed.

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

**FORM - G****MAJOR WORKS OF SIMILAR CLASS – ON GOING**

Photographs and details of major works executed may be enclosed.

Work should have been executed by the firm under the name in which they are submitting the applications.

<b>Sl. No.</b>	<b>Name of the work/project and location</b>	<b>Name of the Client</b>	<b>Cost of work in Lakhs</b>	<b>Date of start</b>	<b>Period of Completion</b>	<b>Actual Date of Completion</b>	<b>Name and address/telephone number of officer to whom reference may be made</b>	<b>Final value of the project</b>	<b>Reasons for the variation delay if any</b>	<b>Whether carried out as prime Contractors</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

Signature of the Tenderer:

**TCIS - TIFR**

Date:

Seal:

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Credential issued by the Clients shall be enclosed.

Photographs and details of major works executed may be enclosed.

Work should have been executed by the firm under the name in which they are submitting the applications

Signature of the Tenderer: **TCIS - TIFR**

Date:

Seal:

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**  
**Centre for Interdisciplinary Sciences**  
**21 Brundavan Colony, Gandipet Road, CBIT Post Office, Hyderabad - 500 075**

**SCHEDULE OF DRAWINGS**

Sl. No.	TITLE	Drawing Nos.
A	GROUND FLOOR LAYOUT PLAN	TCIS/FReT-B/GF - 01
B	GROUND FLOOR STUDENT'S SEATING LAYOUT PLAN AND ELEVATION OF BAY A	TCIS/FReT-B/GF - 02
C	FIRST FLOOR LAYOUT PLAN	TCIS/FReT-B/FF - 03
D	FIRST FLOOR STUDENT'S SEATING LAYOUT PLAN OF BAY A	TCIS/FReT-B/FF - 04
E	SECOND FLOOR LAYOUT PLAN	TCIS/FRET-B/SF - 05
F	SECOND FLOOR STUDENT'S SEATING LAYOUT PLAN AND ELEVATION OF BAY A	TCIS/FReT-B/SF - 06
G	SINGLE ISLAND WORK BENCH TYPE -01	TCIS / FRET-B / FD - 7
H	SINGLE LINEAR WORK BENCH	TCIS / FRET-B / FD 8
I	SINGLE ISLAND WORK BENCH TYPE -02	TCIS / FRET-B / FD 9
J	STORAGE DETAILS	TCIS / FRET-B / FD 10
K	PIGEON HOLE STORAGE DETAILS	TCIS / FRET-B / FD 11
L	PIGEON HOLE STORAGE DETAILS	TCIS / FRET-B / FD 12
M	SINGLE LINEAR WORK BENCH	TCIS / FRET-B / FD 14

Contractor's Signature & Seal

**ANNEXURE-I**

**FORM OF PERFORMANCE GUARANTEE (BY BANK GUARANTEE)**

1. In consideration of the TIFR-TCIS, Hyderabad having agreed under the terms and conditions of Letter of Intent / Agreement No..... dated..... made between .....and ..... (hereinafter called “ the said Contractor{s} “ ) for the work ..... (hereinafter called “ the said Letter of Intent / Agreement ”) having agreed to production of a irrevocable bank Guarantee for Rs. .... (Rupees ..... only), as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement, we ..... (Indicate the name of the Bank) (hereinafter referred to as “the Bank”) hereby undertake to pay to TIFR an amount not exceeding Rs. .... (Rs.....only) on demand by TIFR.
2. We ..... (indicate the name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from TIFR stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We, the said bank, further undertake to pay to TIFR any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We..... (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of TIFR under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge /Architect on behalf of the TIFR certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We ..... (indicate the name of Bank) further agree with TIFR that TIFR 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 said Agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by TIFR against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of TIFR or any indulgence by TIFR to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, ..... (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of TIFR in writing.
8. This guarantee shall be valid up to ....., unless extended on demand. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. .... (Rupees ..... only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Signed and sealed

Dated the ..... day of ..... for ..... (indicate the name of Bank)

\* \* \* (Note: The Letter of Intent shall form part of the Agreement)

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Contractor's Signature & Seal

**ANNEXURE-II**

**Annexure II of the tender document for modular student furniture deals with the technical evaluation** of products offered by qualified vendors for Modular student Furniture at TCIS, TIFR Hyderabad - criteria for rejection if not found to be up to expected standards.

The technical evaluation committee reserves the right to reject a vendor's products if they are not found to be up to expected standards. The supplied furniture should adhere to the highest of international standards, and low quality alternatives should not be offered. It is required that the selected vendors produce small scale sample benches or show the committee installations of the quality that they mean to supply. The evaluation will be according to the following descriptors:

<b>S. No.</b>	<b>Metric</b>	<b>Total marks</b>	<b>Marks obtained</b>
1.	Quality and durability of inspected furniture material	20	
2.	Feedback certificate from at least 3 previous client about the furniture provided and timely completion of the project.	15	
3.	Experience in similar Class of works	20	
4.	Aesthetic appeal	20	
5.	Added innovative features not in tender.	12.5	
6.	Finishing the project before time in earlier projects (need to provide valid documents)	12.5	

A vendor must score at least 70 out of 100 overall to be not rejected. In special circumstances, vendor(s) with marks between 60 and 70 may be considered if the committee feels the product will suffice.

The importance of good quality, durable furniture for smooth uninterrupted use cannot be overemphasized. The conditions for quality have to be met and will be judged by the committee before price bids are compared.



**SECTION-IX**  
**PART II**  
**FINANCIAL BID**

TIFR-TCIS Enquiry No & Date: \_\_\_\_\_

Due Date: \_\_\_\_\_

Bidder's Quotation Ref No. & Date: \_\_\_\_\_

Financial Bid (Bidders must quote their rates using this Format)

**Supply & Installation of Student Furniture for newly constructed**  
**First Research Building at 36/P. Gopanpally Village,**  
**Serilingampally Mandal, Ranga Reddy District, Hyderabad.**

**NOTE TO THE TENDERER**

1. The description of items in the schedule of quantities and technical specifications as well as the drawings attached with the Technical and Commercial bid, are indicative of the locations, types, measurements and in general the user requirement. These are to be carefully studied by the tenderers and designs arrived at by using their standard components adhering to TCIS Tender BOQ. The rates shall be worked out accordingly, before submission of tender.
2. The contractor shall take site measurements and understand prevailing conditions and constraints at site prior to commencing fabrication.
3. Conditions of contract and the drawings shall be read in conjunction with the specifications and matters referred to in the schedule of quantities, shown or described in one and not necessarily in the other. Any ambiguity in the Technical Specifications, Schedule of Quantities and the Drawings shall be referred to the Officer Incharge for clarifications on or before pre-bid meeting.
4. The prices quoted shall include packing, loading, transportation, unloading charges also which may be incurred by the Tenderers to supply the items to the site. Total value of the work described in the Schedule of quantities shall be inclusive of all cost and expenses which may be required in and for the execution of the work described together with all general rules, liabilities and obligations set forth or implied in these documents.
5. The total value of work will be inclusive of all duties, taxes and levies including Excise duty / Custom duty / VAT/ Sales Tax / Works Contract Tax etc., as may be applicable and each such component should be indicated separately in the SOQ. This is required for availing any exemption permissible by this department, for which required documents will be furnished to the successful tender.
6. It may be noted that TCIS is eligible to avail Excise Duty Exemption under notification number 10/97 and custom duty exemption under notification no. 51/96. However the excise duty and the custom duty component should be indicated separately.
7. The rates shall hold good for dimensional variation upto +/- 50 mm, of the sizes specified in the drawings and schedule of this tender. All items shall be supplied based on prevailing measurements at site.
8. In this contract, reference is made to the Indian Standards or as approved by Officer Incharge. These references shall be deemed to be the latest editions, including all revisions upto the date of this tender notice. The contractor shall keep all relevant IS

standards and codes of practice referred in these specifications at site, throughout the period of contract.

9. All items are to be manufactured at the contractors factory and delivered to the site in the manufacturer's original unopened containers with the manufacturer's brand and name clearly marked.
10. Keeping the site in a clean and tidy condition always and clearing all debris from the site is included in the scope of contractor's work and the rate thereon shall be included in the tendered rates. This has to be strictly followed.

**SCHEDULE OF QUANTITIES**

**Name of the work:**

Sl. No.	Description	Unit of Measurement	Qty.	Rate per unit (Currency) ----- (both in figures and words)	Amount (Currency)
<b>A</b>	<p><b>General Description of Workstations :</b> Fabricating, supplying and fixing desk based workstations made of 25mm thick prelam MDF board table top with post formed front edge (with bird beak profile); and PVC edge banding on the remaining sides, supported on 40mm x 40mm x 2mm thick metal framework at regular spacing with two level metal raceways, back panel above the table top made of laminated glass writing surface of with fabric wrapped pin up board slid on to a portion of laminated glass surface usable on front in case of linear work station facing wall and both the sides in case of island work station (sharing) or linear work station facing the corridor/accessible area ( for measurements please refer the drawings provided in the tender document), also providing and fixing 8 mm thick toughened/Sandwich Glass privacy panel of over all width 500 mm and 200mm to 100mm overall high, as per profile shown in the detail drawing, fixed with MS powder coated clamps,MS apron with two rows of square perforations for the aisle side linear workstations, Wire managers at 2 levels (one at skirting and one below table top), one desk grommet of standard dimension on the hollow cutout opening of the table top, including all necessary hardware &amp; fixtures, powder-coating all metal components to approved shade by the officer in charge etc., Typical depth of individual workstation is 610-620mm (D) and height (730+400mm), where 730mm is the level at which table top is placed and 400mm is the height of back panel above the table top, complete as per the instructions of the Officer-Incharge, all details in the specifications and relevant drawings for sizes mentioned below: (For any further query regarding the technical clarification, contact the officer in charge through proper channel)</p>				

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**Centre for Interdisciplinary Sciences**  
**21 Brundavan Colony, Gandipet Road, CBIT Post Office, Hyderabad - 500 075**

<b>1</b>	<b>L shaped WORKSTATIONS :</b>				
	Providing Island Workstations (L shaped) of 1210mm (600mm + 10mm + 600mm) deep and 730mm high upto table top/ Straight workstations 1440 length x 620mm deep and 730 height, with vertical support made up suitable material for installing the over head storage at 420mm height above the table top (over head storage shall be measured and paid separately under relevant items in the SOQ), complete as per the instructions of the Officer-Incharge, all details in the specifications <b>as mentioned in the SI.No. A</b> and relevant drawings for sizes mentioned below:				
i	<b>SINGLE ISLAND WORK BENCH TYPE -01</b> Cluster of 2 L shaped workstations (1 + 1 unit, back to back). Refer drawing number <b>TCIS / FRET-B / FD - 7</b> , & TCIS/FReT-B/GF - 01-03, TCIS/FReT-B/FF - 02-04, TCIS/FReT-B/SF - 04-06. & specifications in the tender document for dimensions and MOC. For any query or technical clarification contact the officer in charge	Sets	46.00		
ii	<b>Single L shaped workstation.</b> Refer drawing number <b>TCIS/ FRET - B/ FD - 8</b> & specifications in the tender document for dimensions and MOC, For any technical query or technical clarification contact the officer in charge	Sets	4.00		
<b>2</b>	<b>LINEAR WORKSTATIONS :</b>				
	Providing Linear Workstations of 620mm deep and 730mm high upto table top with vertical support for installing over head storage at 420mm height above the table top (over head storage shall be measured and paid separately under relevant items in the SOQ), complete as per the instructions of the Officer-Incharge, all details in the specifications and relevant drawings for sizes mentioned below:				
i	<b>SINGLE ISLAND WORK BENCH TYPE -02.</b> Cluster of 2 workstations (1+1, back to back) (1440mm length x 610mm width x 730 height + 1440mm length x 610mm width x 730 height ). Refer Drawing number, <b>TCIS / FRET-B / FD - 9</b> , & TCIS/FReT-B/GF - 01-03, TCIS/FReT-B/FF - 02-04, TCIS/FReT-B/SF	Sets	26.00		

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	- 04-06. Also refer the detailed specification as mentioned in the tender document and instruction of officer-in-charge. For any further technical clarification please contact the officer in charge through proper channel.				
ii	<b>SINGLE LINEAR WORK BENCH</b> - Dimensions, 1440mm length x 610mm width x 730 height, Ref. drawing number <b>TCIS / FRET-B / FD - 14</b> . Also refer the technical specification as mentioned in the tender document and instruction of the officer in charge. For any technical clarification contact the officer in charge through proper channel.	Sets	2.00		
	<b>Note</b> : Color/Texture of the pre-laminated sheets for table top and color of the metal framework supporting table top as well as the vertical support for the overhead storage will be decided by the officer-in-charge / TCIS furniture committee while issuing the work order.				
<b>3</b>	<b>Circular Meeting Table</b>				
	Providing and fixing circular wooden table using 25mm thick laminated MDF board table top with 2mm thick edge band of 750mm diameter, fixed on to a central 65 mm dia 14 gauge MS vertical pipe with suitable MS brackets/supports at the top and base, to obtain overall height of 730mm for the table, complete with necessary hardware, bush with levellers for the base, powder coating of approved shade to the MS frame work, as per instructions of the Officer-Incharge, all details in the specifications.	Nos.	4.00		
<b>4</b>	<b>Tall storage unit</b>				
	Fabricating, supplying and fixing of <b>tall storage unit</b> made of 18mm thick opaque prelam MDF shutters with five rows of intermediate prelam shelves, all edges to have PVC edge banding, complete with all necessary accessories, hardware, locks, castors, magnetic catch, metal-concealed-full width handles etc., as per the instructions of the Officer-Incharge all details in the specifications and relevant drawings of over all depth 400 mm x 2000 mm high for the following lengths –				
i	1200mm wide	Nos.	2.00		
ii	600mm wide	Nos.	10.00		

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iii	480mm wide	Nos.	8.00		
	<b>Note:</b> Two different types of colored/ textured laminates will be used for tall storage units. The the sides and top of the body will have one type of laminate, whereas the back and front elevation will have one seperate type of colored / textured laminate. Color and texture of the laminates will be decided by TCIS while issuing the work order.				
<b>5</b>	<b>Pigeon hole storage unit</b>				
	Fabricating, supplying and placing in position, <b>full height pigeon hole storage unit</b> made of 18mm thick prelam boards & with opaque shutters, all edges to have PVC edge banding, complete with all necessary accessories, hardware, locks, levellers at the base, magnetic latch for each shutter, SS - butt hinges-2 per shutter, concealed metal handles to the full width of the shutters, individual locks etc., as per the instructions of the Officer-Incharge all details in the specifications and relevant Indicative drawing <b>TCIS / FRET-B / FD 11 &amp; TCIS / FRET-B / FD 12</b> , over all 400 mm deep and following lengths -				
i	2690mm wide x 2000mm high, with pigeon holes and shutters relevant to the drawing attached in the boq and material specification as mentioned in the technical specification, drawings and BOQ. For any technical query kindly contact the officer in charge through proper channel.	Nos.	2.00		
ii	2840mm wide x 2000mm high, with pigeon holes and shutters relevant to the drawing attached in the boq and material specification as mentioned in the technical specification, drawings and BOQ. For any technical query kindly contact the officer in charge through proper channel.	Nos.	3.00		
iii	1640mm wide x 2000mm high, with pigeon holes and shutters relevant to the drawing attached in the boq and material specification as mentioned in the technical specification, drawings and BOQ. For any technical query kindly contact the officer in charge through proper channel.	Nos.	2.00		
iv		No.	3.00		

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	2240mm wide x 2000mm high, with pigeon holes and shutters relevant to the drawing attached in the boq and material specification as mentioned in the technical specification, drawings and BOQ. For any technical query kindly contact the officer in charge through proper channel.				
	<b>Note :</b> Two different types of colored/ textured laminates will be used for pigeon hole storage units. Color and texture of the laminates will be decided by TCIS while issuing the work order. Indicative drawing <b>TCIS / FRET-B / FD 11 &amp; TCIS / FRET-B / FD 12</b>				
<b>6</b>	<b>Medium height storage Unit</b>				
	Fabricating, supplying and fixing of <b>medium height storage</b> units made of 20mm thick opaque prelam shutters with two rows of intermediate prelam shelves, all edges to have PVC edge banding, complete with all necessary accessories, hardware, locks, castors, magnetic catch, metal-concealed-full width handles etc., as per the instructions of the Officer-Incharge all details in the specifications and relevant drawing <b>TCIS / FRET-B / FD 10</b> , of over all sizes 400 mm (D) x 1200 mm high and following lengths –				
i	600mm long	Nos.	24.00		
	<b>Note :</b> Two different types of colored/ textured laminates will be used for medium height storage units. The sides and top of the body will have one type of laminate, whereas the back and front elevation will have one separate type of colored / textured laminate. Color and texture of the laminates will be decided by TCIS while issuing the work order.				
<b>7</b>	<b>Over head Storage above the island work station.</b>				
	Fabricating, supplying and fixing of <b>overhead storage</b> of 350 mm (D) x 400 mm (H) to the island work stations, mounted on the vertical support provided in the workstation, at a height of 520 mm above work stations , usable from both sides of the island bench, carcass made of 18mm thick prelam MDF boards and glazed shutters, with pin up surfaces as shown in the drawing, carcass edges to have PVC edge banding, complete with all necessary	No.	Lumpsum - based on the total number of island workstation (both L and linear)		



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	accessories, hardware, locks, hinges, ball catch/magnetic latch, etc., as per the instructions of the officer-in-charge, all details in the specifications and relevant drawings, of over all widths mentioned below:				
<b>8</b>	<b>Over head Storage above the linear and single work station.</b>				
	Fabricating, supplying and fixing of <b>over head storage</b> of 350 mm (D) x 400 mm (H) to the work stations, mounted on the vertical support provided in the workstation, at a height of 520 mm above linear work stations / or on walls (above single workstations abutting the wall), carcass made of prelam boards and glazed shutters, carcass edges to have PVC edge banding, complete with all necessary accessories, hardware, locks, hinges, ball catch/magnetic latch, etc., as per the instructions of the officer-in-charge, all details in the specifications and relevant drawings, of over all widths mentioned below:		Lumpsum - based on the total number of single workstation (both L and linear)		
<b>9</b>	<b>Pedestal storage unit</b>				
	Fabricating, supplying and fixing of <b>pedestal storage unit</b> of 2 drawers and 1 file drawer made of 20mm thick prelam board all edges to have PVC edge banding, complete with all necessary accessories, hardware, locks, slides and channels, castors, ball catch, etc., as per the instructions of the Officer-Incharge, all details in the specifications and relevant drawings ( <b>TCIS / FRET-B / FD 10</b> ), of over all size 450 mm (W) X 450 mm (D) X 650 mm (H).	Nos.	150.00		
<b>10</b>	<b>Glass seperators / privacy panels with pin up board</b>				
I	Providing and fixing 8 mm thick toughened/Sandwich Glass privacy panel of overall width 500 mm and 200mm to 100mm overall high, as per profile shown in the detail drawing, fixed with MS powder coated clamps, as a seperator between the adjoining modular workstations etc with pin up board as mentioned in the drawing., complete as per instructions of the Officer-Incharge, all details in the specifications and relevant drawings.		Lumpsum - based on the total number of island and single workstation as mentioned in the BOQ (both L and linear)		

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	<b>Total Value of all items (Basic Amount + All Applicable Taxes, Packing &amp; Forwarding, Freight etc. from S.No. 1 to 10)</b>				
	<p><b><u>Note:</u></b></p> <p>1) For Import Materials: Please mention the applicable value of Total Imported Materials to assess the customs duty by mentioning the item Sl.No.</p> <p>2) Prices quoted in Indian Currency should be on F.O.R. basis inclusive of all the applicable taxes like VAT, Service Tax, Freight &amp; Transportation charges and installation charges etc.</p> <p>3) TIFR-TCIS is a Public funded Research Institution and exempted from paying of Custom Duty under the notification No: 51/96 dated 23.07.1996, Excise duty under notification No: 10/97 dated 01.03.1997. Certificate will be provided by TIFR-TCIS, Hyderabad.</p>				

**Final Total F.O.R. TCIS, Hyderabad cost (Currency): \_\_\_\_\_**

**Final Total F.O.R. TCIS, Hyderabad cost in words: \_\_\_\_\_**

**Note: The Lowest Bidder (L1) will be selected based on the quotes after making necessary arithmetical checks by TIFR-TCIS.**

**Note:**

1. Currency should be mentioned.
2. All the column should be appropriately filled and not left blank.
3. Prices quoted in Indian Currency should be on F.O.R. TCIS, Hyderabad basis inclusive of all the applicable taxes like VAT, Service Tax, Freight & Transportation charges and installation charges etc.
4. TIFR-TCIS is a Public funded Research Institution and exempted from paying of Custom Duty under the notification No: 51/96 dated 23.07.1996, Excise duty under notification No: 10/97 dated 01.03.1997. Certificate will be provided by TIFR-TCIS, Hyderabad.
5. TIFR-TCIS, Hyderabad has right to delete any of above items from scope of work or may increase/reduce quantities as per its requirement during execution of work as per contract terms and conditions. No claim or compensation for such deletion/increase/decrease will be accepted/paid to contractor. Payment will be made as per actual quantities executed at tender rates, certified by EIC, as per contract only.
6. Supplier should quote for all the items.
7. Quantity tolerance limit  $\pm 10\%$ . Billing shall be done on actual quantity amount within tolerance limit against approved Contract/ Work Order. Contractor shall assess the quantity required before supply.

**Signature of the Bidder**

**Name, Address contact No.:** \_\_\_\_\_  
**& email id of the bidder:** \_\_\_\_\_  
**Company with Company's Stamp or Seal:** \_\_\_\_\_

**Date:** \_\_\_\_\_

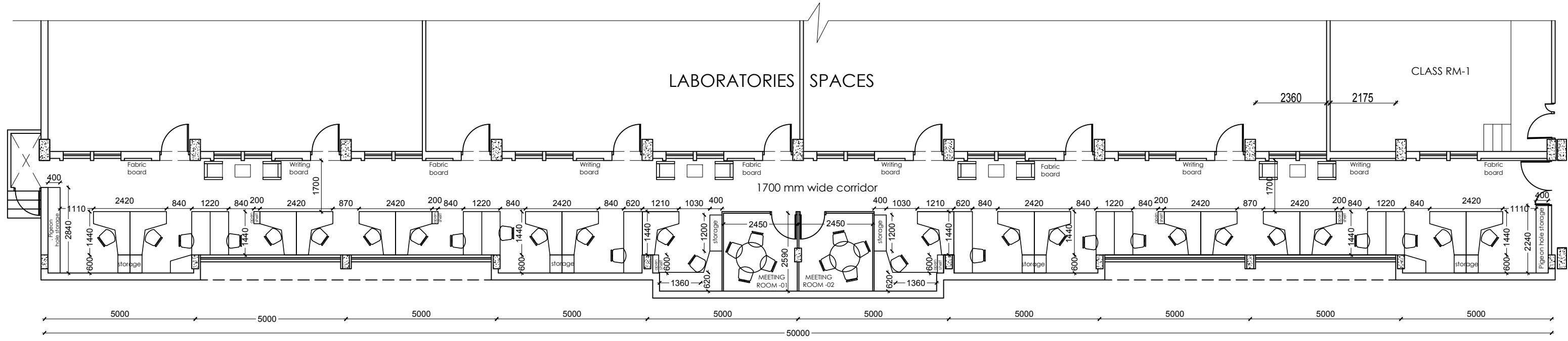
**Place:** \_\_\_\_\_

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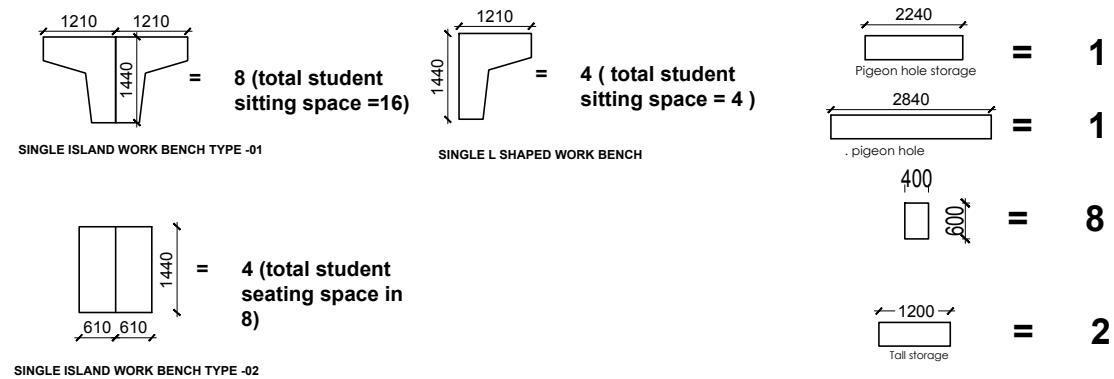
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DATE :

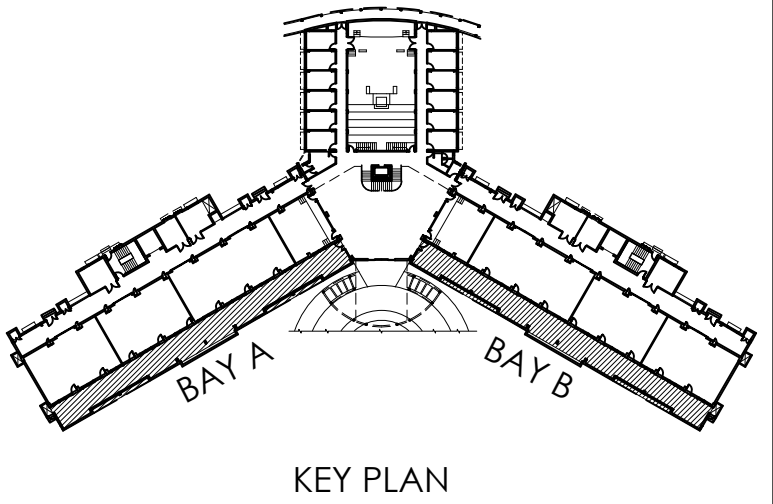
SEAL :



GROUND FLOOR - South wing bay A



BAY A : 30 STUDENT WORKSTATION + 2 SMALL MEETING



KEY PLAN

# GROUND FLOOR

- NOTE:
- Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
  - Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
  - Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
  - Discrepancy, if any, should be brought to the notice of Architect for clarification.
  - The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FReT BUILDING, TIFR - HYDERABAD.	
TITLE :	GROUND FLOOR LAYOUT PLAN	
APPROVED :	DEALT :	
POORNIMA U.B HEAD ARCHITECT	NOOR ZAINAB	
DRG. NO :	SCALE :	DATE :
TCIS/FReT-B/GF - 01	NTS	09/01/2017
Tata Institute of Fundamental Research - TCIS Survey Number 36/P , Gopanpally, Serilingampally, Hyderabad - 500076		



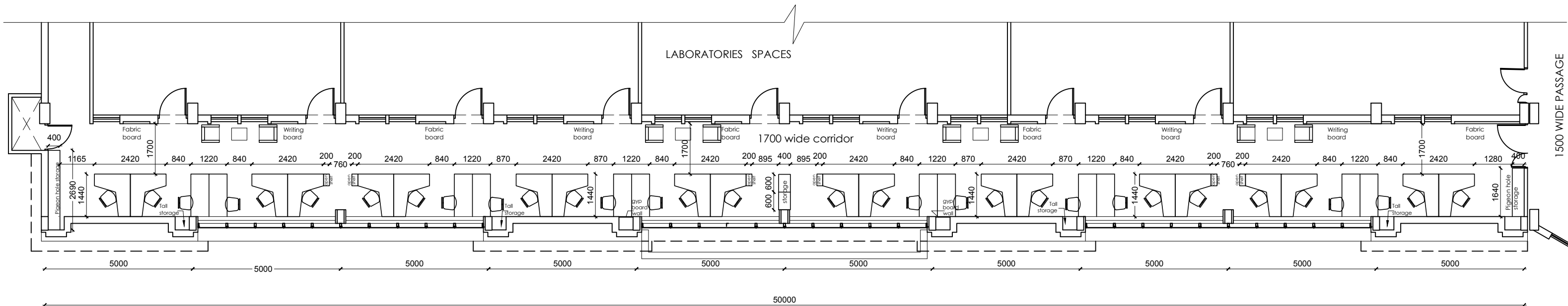
1. Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
2. Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
3. Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
4. Discrepancy, if any, should be brought to the notice of Architect for clarification.
5. The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	<b>DESIGN &amp; PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FRet BUILDING,TIFR - HYDERABAD.</b>	
TITLE :	<b>GROUND FLOOR STUDENT'S SEATING LAYOUT PLAN AND ELEVATION OF BAY A</b>	
APPROVED :	DEALT : NOOR ZAINAB	
POORNIMA U.B HEAD ARCHITECT	SCALE : NTS	DATE : 09/01/2017
DRG. NO :	<b>TCIS/FRet-B/GF - 02</b>	

SIGNATURE OF THE TENDERER :

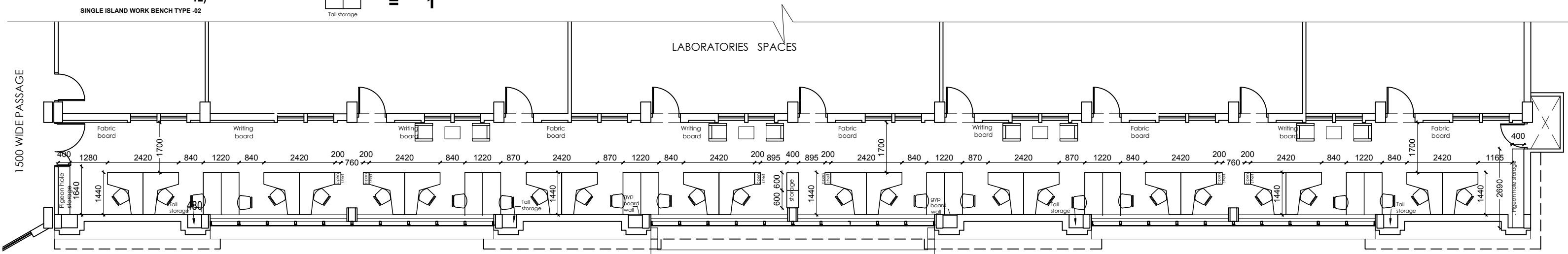
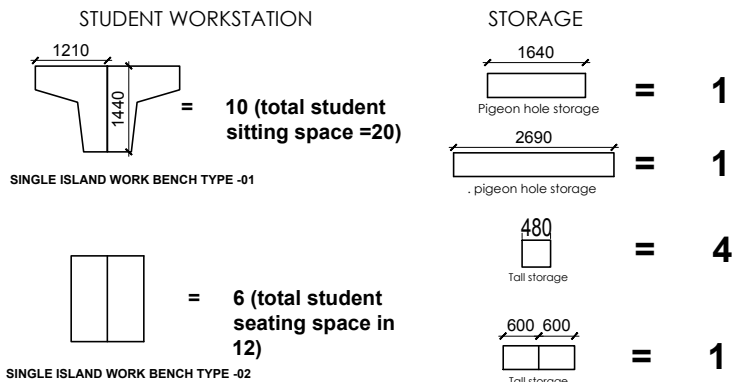
DATE :

SEAL :

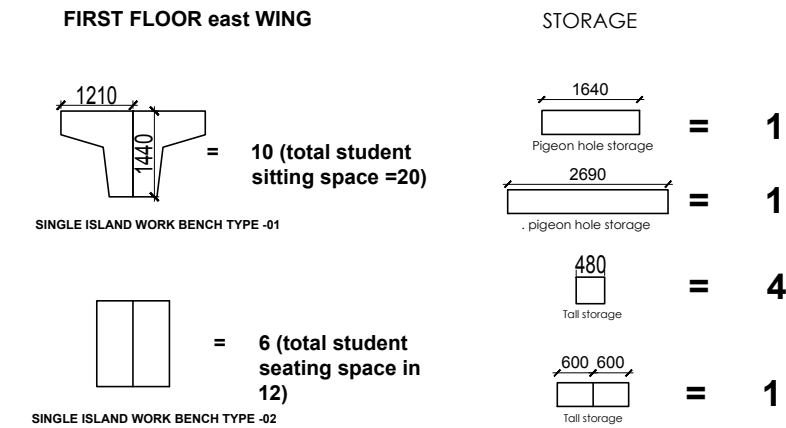


FIRST FLOOR SOUTH WING -BAY A

BAY A : 32 STUDENT WORKSTATION

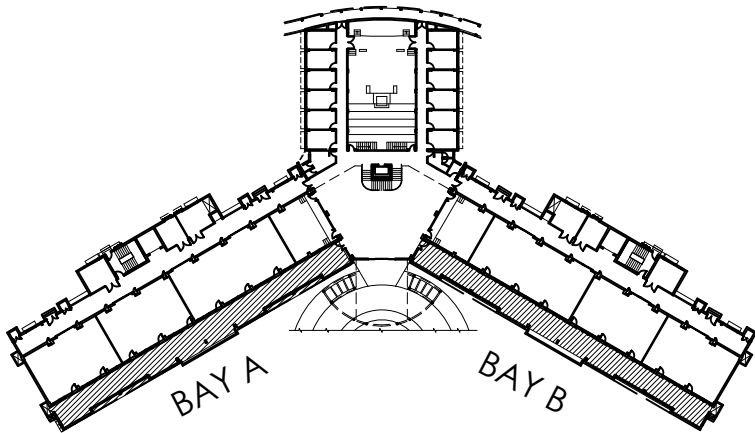


BAY B : 32 STUDENT WORKSTATION



FIRST FLOOR east WING

# FIRST FLOOR



KEY PLAN

- NOTE:
1. Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
  2. Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
  3. Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
  4. Discrepancy, if any, should be brought to the notice of Architect for clarification.
  5. The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FReT BUILDING,TIFR - HYDERABAD.	
TITLE :	FIRST FLOOR LAYOUT PLAN	
APPROVED :	DEALT : NOOR ZAINAB	
POORNIMA U.B HEAD ARCHITECT	SCALE :    NTS	DATE : 09/01/2017
DRG. NO :	TCIS/FReT-B/FF - 03	
Tata Institute of Fundamental Research - TCIS Survey Number 36/P , Gopanpally, Serilingampally, Hyderabad - 500076		



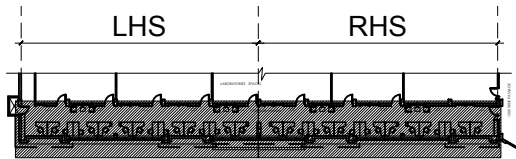
SIGNATURE OF THE TENDERER :

DATE :

SEAL :


REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :



KEY PLAN FOR BAY A  
FIRST FLOOR

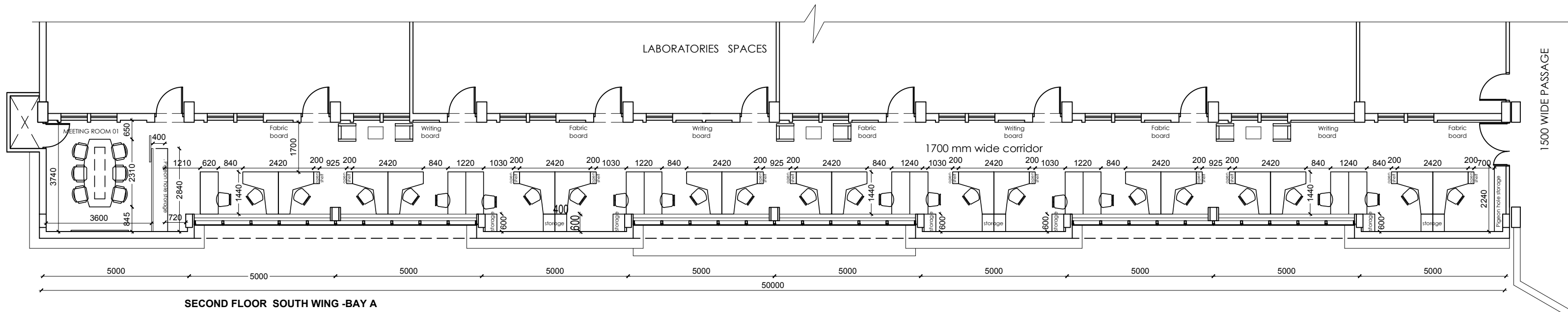
- NOTE:
1. Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
  2. Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
  3. Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
  4. Discrepancy, if any, should be brought to the notice of Architect for clarification.
  5. The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FReT BUILDING, TIFR - HYDERABAD.		
TITLE :	FIRST FLOOR STUDENT SEATING LAYOUT PLAN & ELEVATION OF BAY-A		
APPROVED :	DEALT : NOOR ZAINAB		
POORNIMA U.B HEAD ARCHITECT	SCALE : NTS	DATE : 09/01/2017	
DRG. NO :	TCIS/FReT-B/FF - 04		
<div><div><div>TIFR Centre for Interdisciplinary Sciences</div></div><div>Tata Institute of Fundamental Research - TCIS Survey Number 36/P , Gopanpally, Serilingampally, Hyderabad - 500076</div></div>			

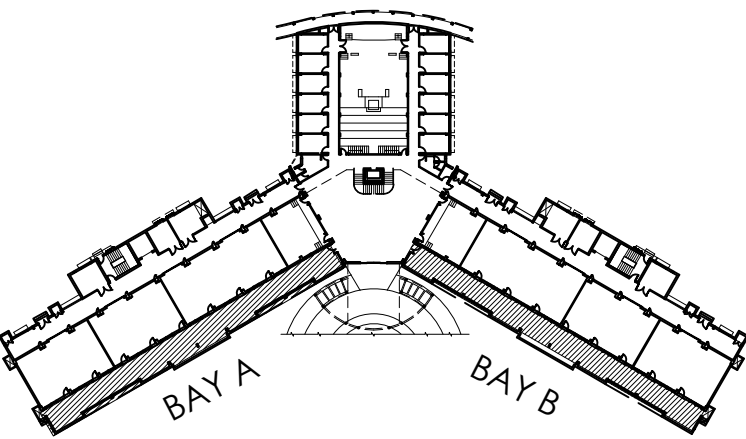
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DATE :

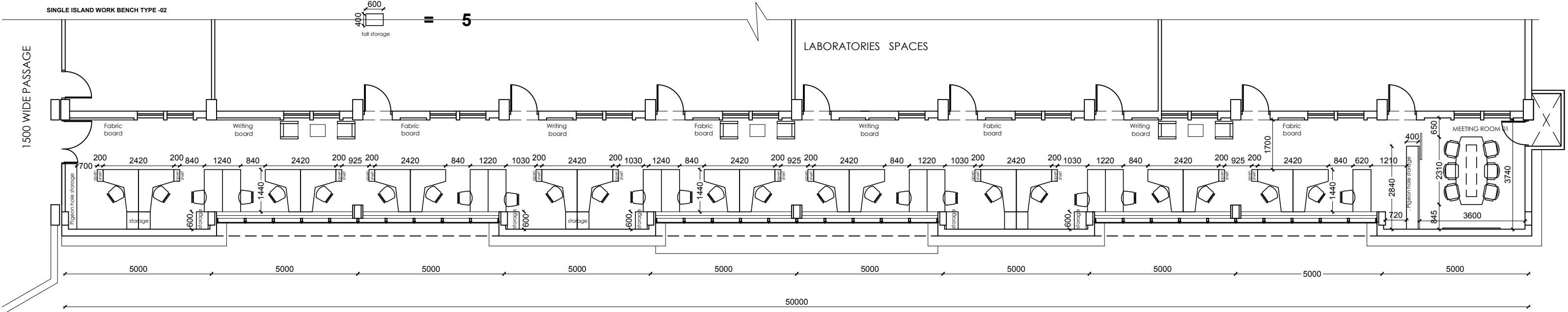
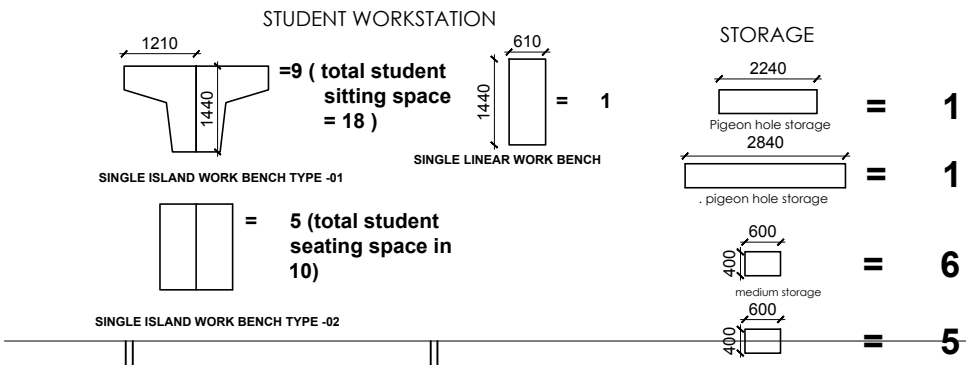
SEAL :



BAY A : 29 STUDENT WORKSTATION + 1 MEETING ROOM



KEY PLAN



BAY B : 29 STUDENT WORKSTATION + 1 MEETING ROOM

- NOTE:
- Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
  - Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
  - Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
  - Discrepancy, if any, should be brought to the notice of Architect for clarification.
  - The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.		
TITLE :	SECOND FLOOR LAYOUT PLAN		
APPROVED :	DEALT :		
POORNIMA U.B HEAD ARCHITECT	NOOR ZAINAB		
DRG. NO :	SCALE :	NTS	DATE : 09/01/2017
TCIS/FRET-B/SF - 05			
Tata Institute of Fundamental Research - TCIS Survey Number 36/P , Gopanpally, Serilingampally, Hyderabad - 500076			

# SECOND FLOOR



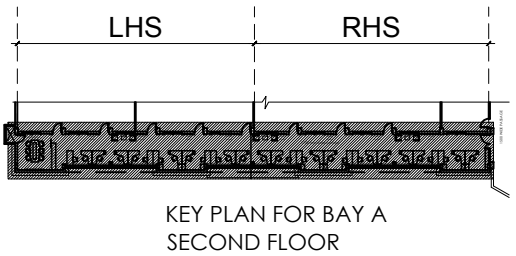
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DATE :

SEAL :


REFERENCE TO SOQ ITEM NO:

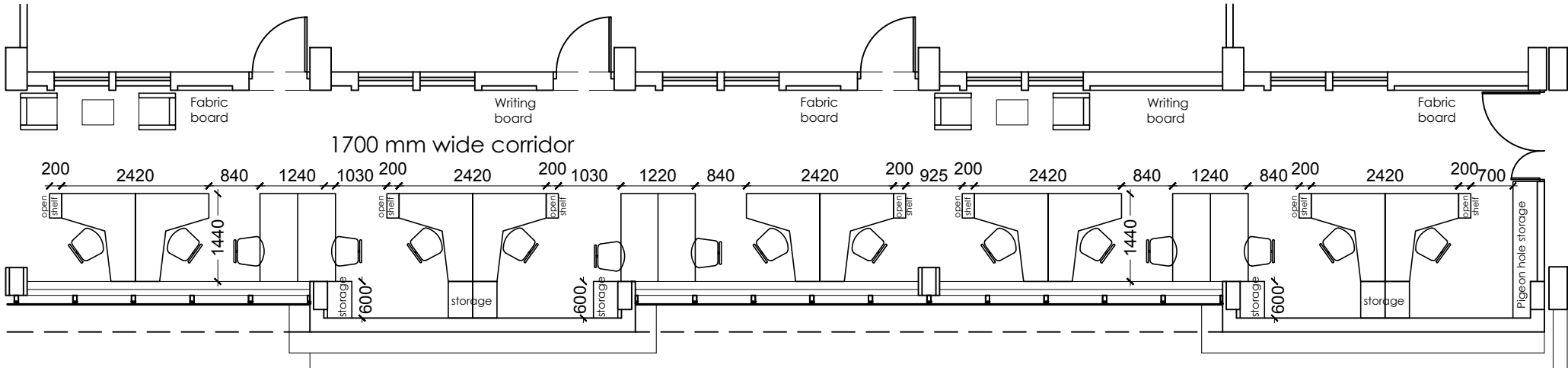
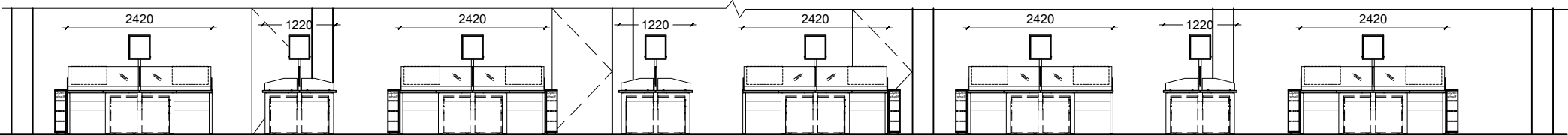
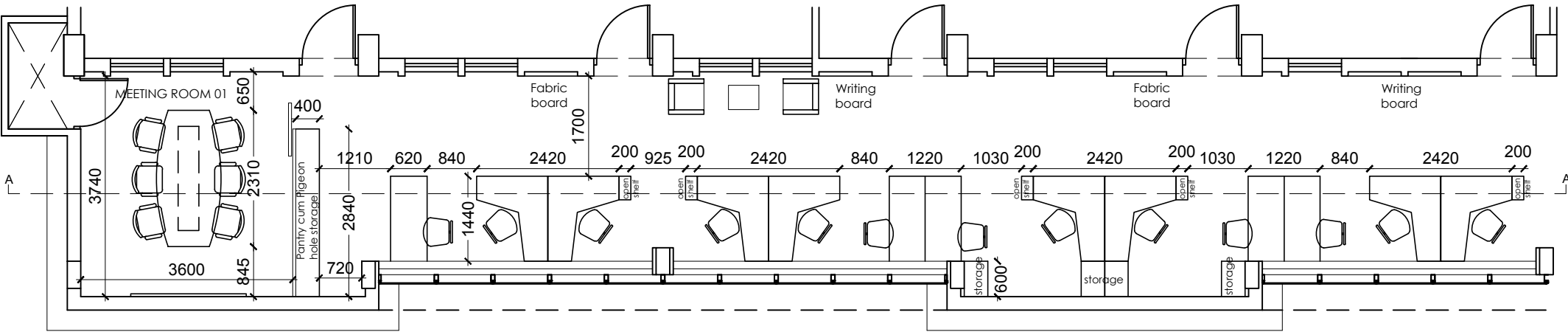
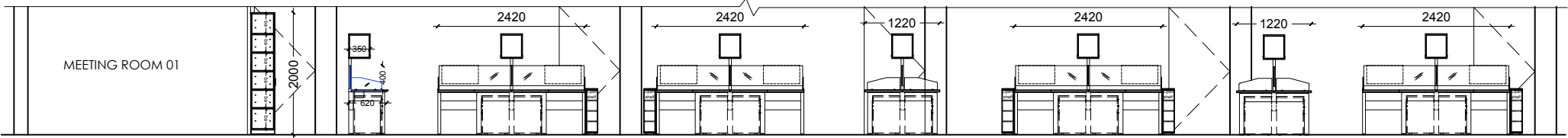
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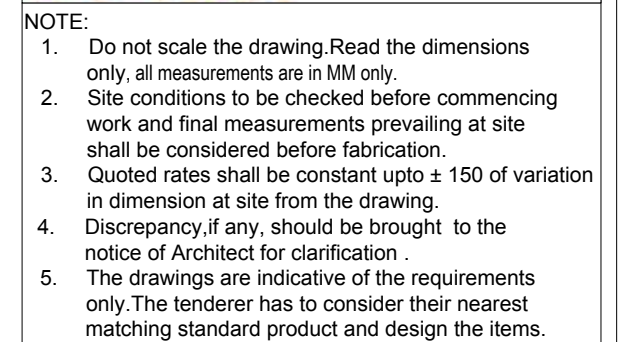
- NOTE:
- Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
  - Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
  - Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
  - Discrepancy, if any, should be brought to the notice of Architect for clarification.
  - The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT :	DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FReT BUILDING, TIFR - HYDERABAD.	
TITLE :	SECOND FLOOR STUDENT'S SEATING LAYOUT PLAN AND ELEVATION OF BAY	
APPROVED :	DEALT :	
POORNIMA U.B HEAD ARCHITECT	NOOR ZAINAB	
DRG. NO :	SCALE : NTS	DATE : 09/01/2017
TCIS/FReT-B/SF - 06		

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Survey Number 36/P, Gopanpally,  
Serilingampally,  
Hyderabad - 500076

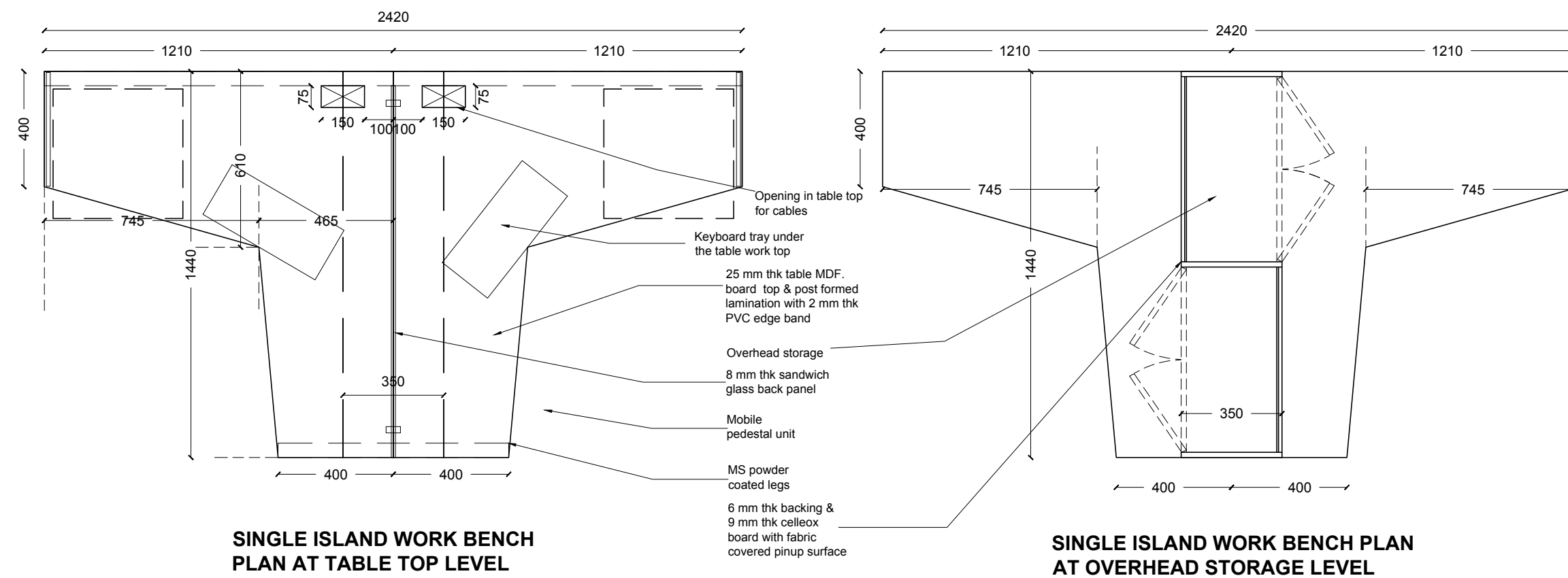


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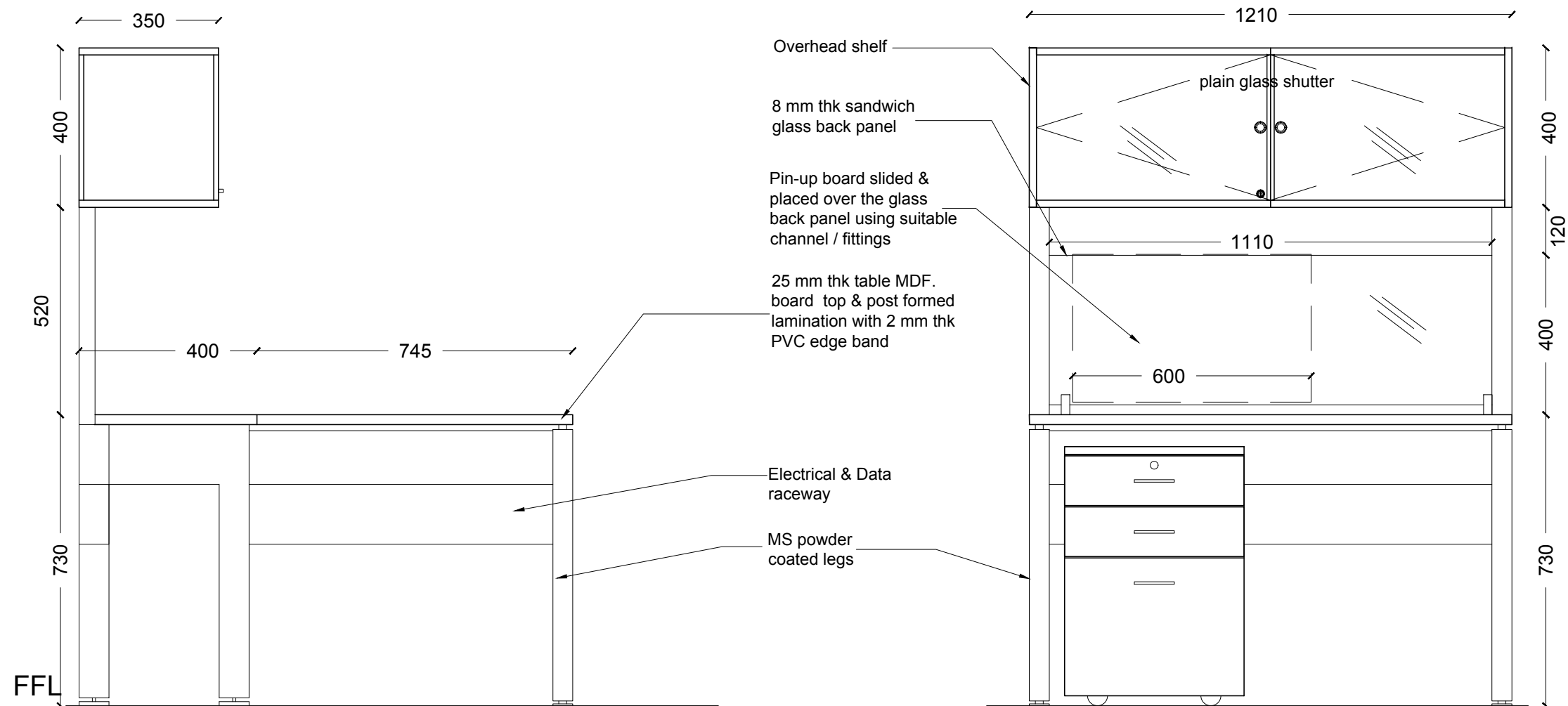


PROJECT :	<b>DESIGN &amp; PROVIDING MODULAR WORK STATIONS AT FrET BUILDING,TIFR - HYDERABAD.</b>	
TITLE :	<b>SINGLE ISLAND WORK STATION TYPE -01</b>	
APPROVED :	DEALT : NOOR ZAINAB	
POORNIMA U.B HEAD ARCHITECT	SCALE : NTS	DATE :

Tata Institute of Fundamental Research - TCIS  
Survey Number 36/P , Gopanpally, Serilingampally,  
Hyderabad - 500076

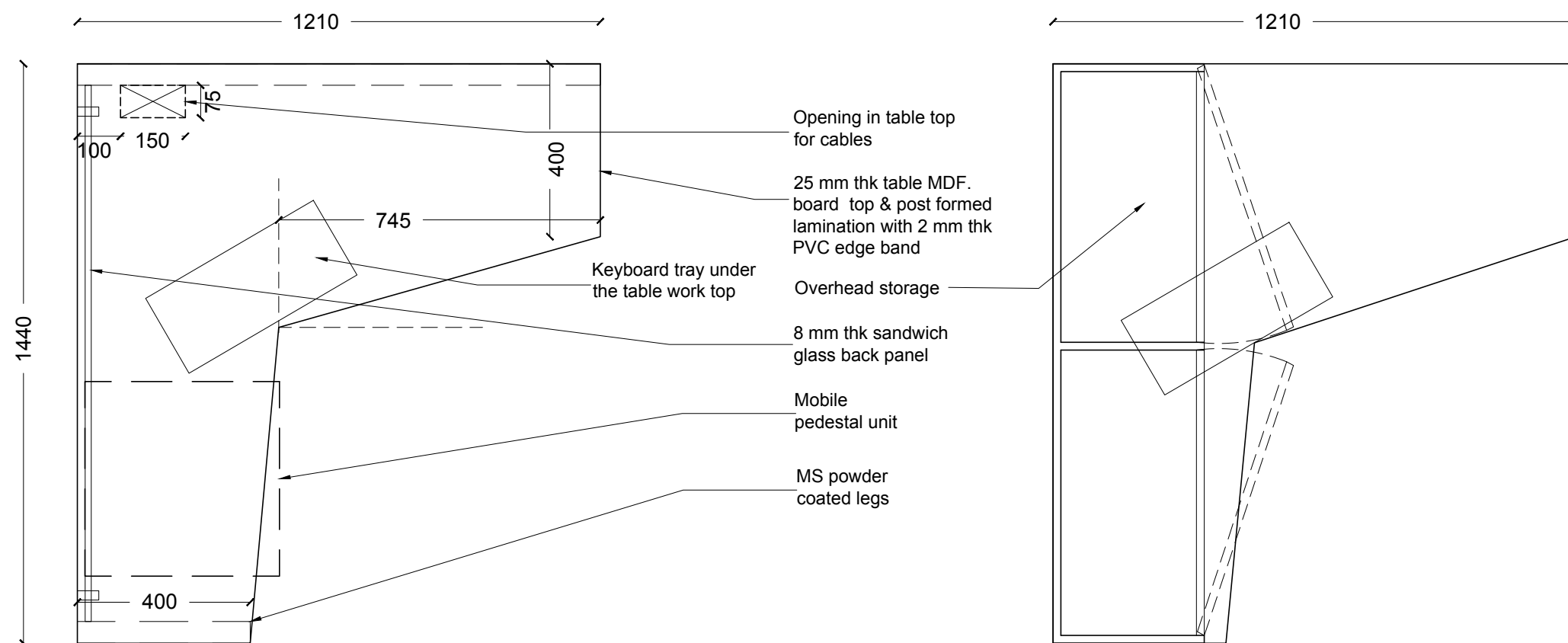


### SINGLE ISLAND WORK BENCH PLAN AT OVERHEAD STORAGE LEVEL



FRONT ELEVATION

SIDE ELEVATION



SINGLE LINEAR WORK BENCH  
PLAN AT TABLE TOP LEVEL

SINGLE LINEAR WORK BENCH PLAN  
AT OVERHEAD STORAGE LEVEL

DRAWING FOR TENDER PURPOSE

page no.

SIGNATURE OF THE TENDERER :

REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :



NOTE:

1. Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
2. Site conditions to be checked before commencing work and final measurements prevailing at site shall be considered before fabrication.
3. Quoted rates shall be constant upto  $\pm 150$  of variation in dimension at site from the drawing.
4. Discrepancy, if any, should be brought to the notice of Architect for clarification.
5. The drawings are indicative of the requirements only. The tenderer has to consider their nearest matching standard product and design the items.

PROJECT : **DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.**

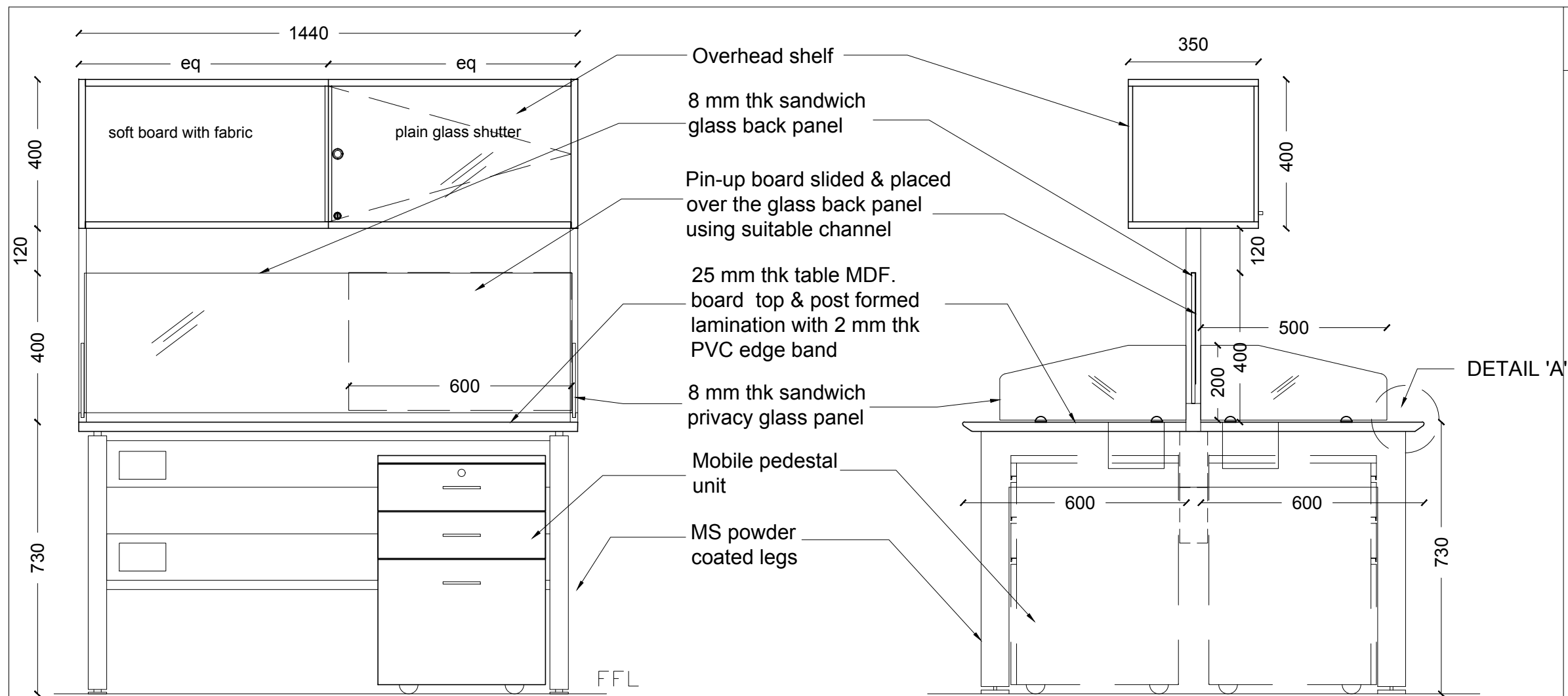
TITLE : **SINGLE L SHAPED WORK BENCH**

APPROVED : DEALT :  
NOOR ZAINAB

POORNIMA U.B. HEAD ARCHITECT SCALE : NTS DATE :

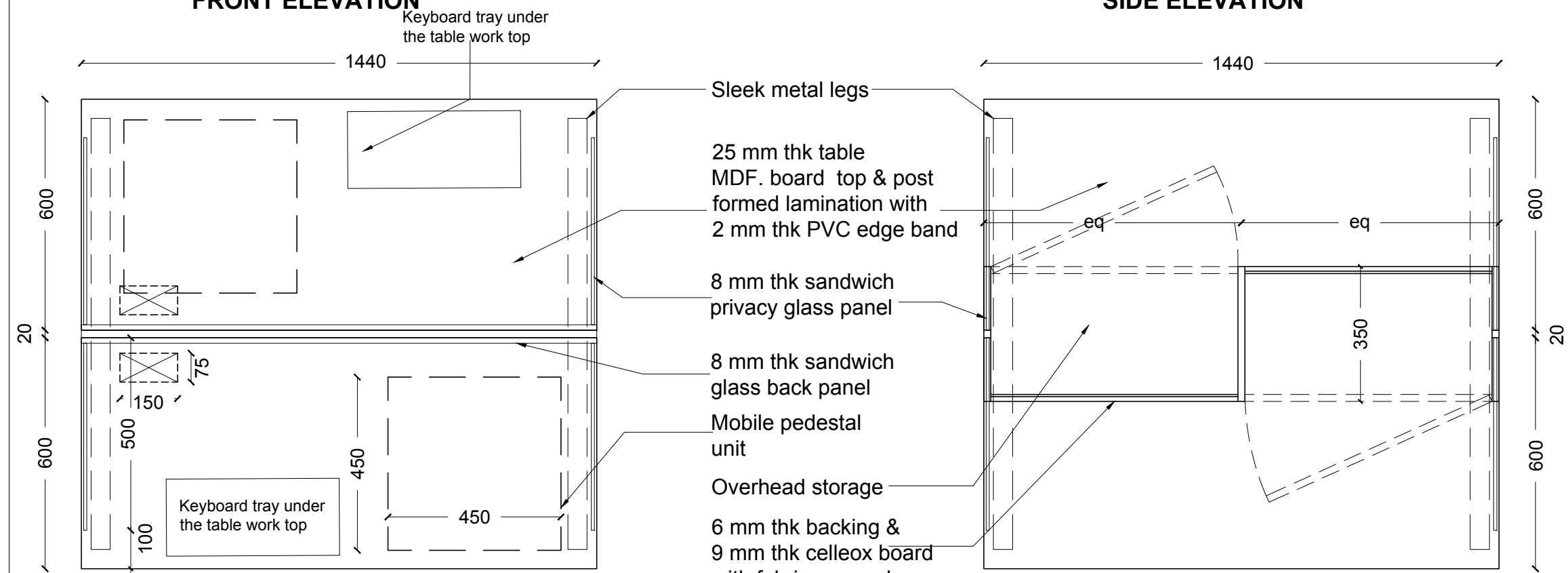
DRG. NO : **TCIS / FRET-B / FD 8**

Tata Institute of Fundamental Research - TCIS  
Survey Number 36/P, Gopanpally, Serilingampally,  
Hyderabad - 500076



FRONT ELEVATION

SIDE ELEVATION



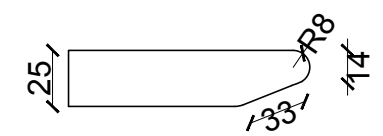
SINGLE ISLAND WORK BENCH  
PLAN AT TABLE TOP LEVEL

SINGLE ISLAND WORK BENCH PLAN  
AT OVERHEAD STORAGE LEVEL

DRAWING FOR TENDER PURPOSE

page no.


SIGNATURE OF THE TENDERER :



DETAIL 'A'

REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :

TIFR Centre for Interdisciplinary Sciences

NOTE:

- Do not scale the drawing. Read the dimensions only, all measurements are in MM only.
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PROJECT :

DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.

TITLE :

ISLAND WORK STATION TYPE -02

APPROVED :

DEALT : NOOR ZAINAB

POORNIMA U.B HEAD ARCHITECT

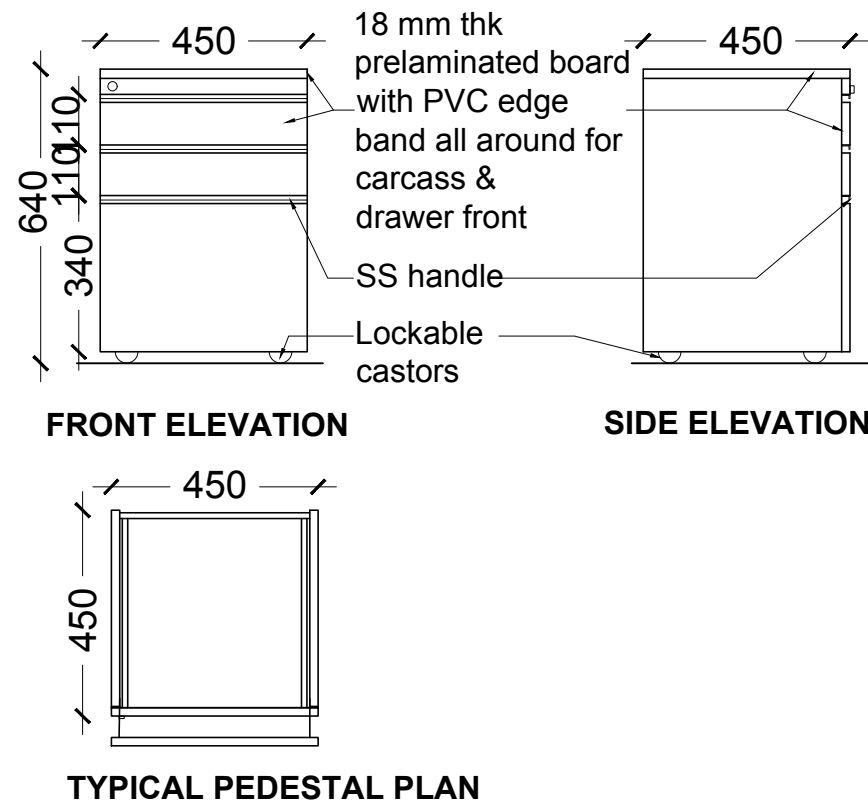
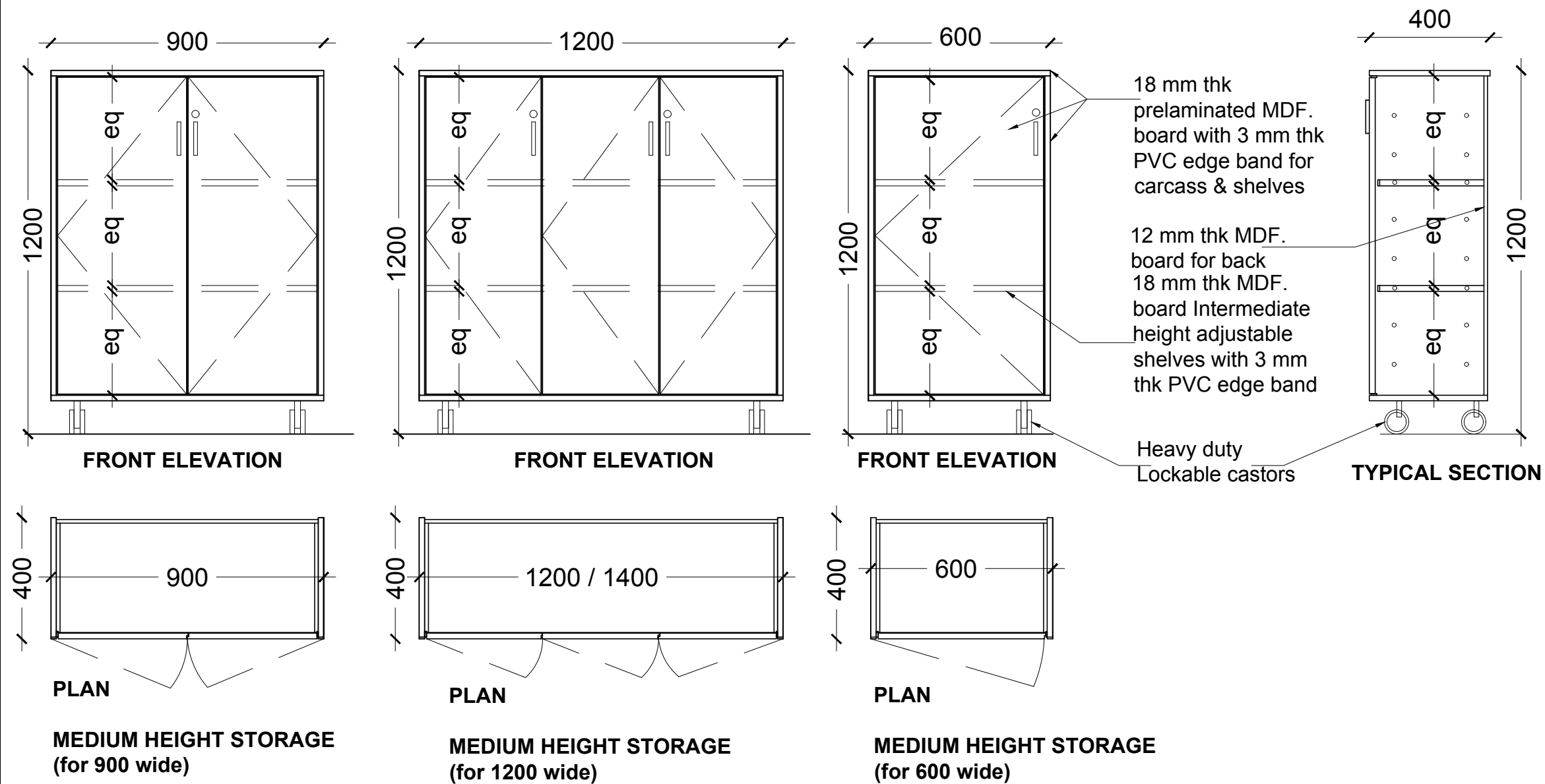
SCALE : NTS

DATE :

DRG. NO :

TCIS / FRET-B / FD 9

Tata Institute of Fundamental Research - TCIS  
Survey Number 36/P , Gopanpally, Serilingampally,  
Hyderabad - 500076



DRAWING FOR TENDER PURPOSE

page no.

SIGNATURE OF THE TENDERER :

REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :



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PROJECT : **DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.**

TITLE : **STORAGE DETAILS**

APPROVED : DEALT :  
NOOR ZAINAB

POORNIMA U.B  
HEAD ARCHITECT

SCALE : NTS

DATE :

DRG. NO : **TCIS / FRET-B / FD 10**

Tata Institute of Fundamental Research - TCIS  
Survey Number 36/P , Gopanpally,  
Serilingampally,  
Hyderabad - 500076



SIGNATURE OF THE TENDERER :

REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :



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PROJECT : **DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR<sub>e</sub>T BUILDING, TIFR - HYDERABAD.**

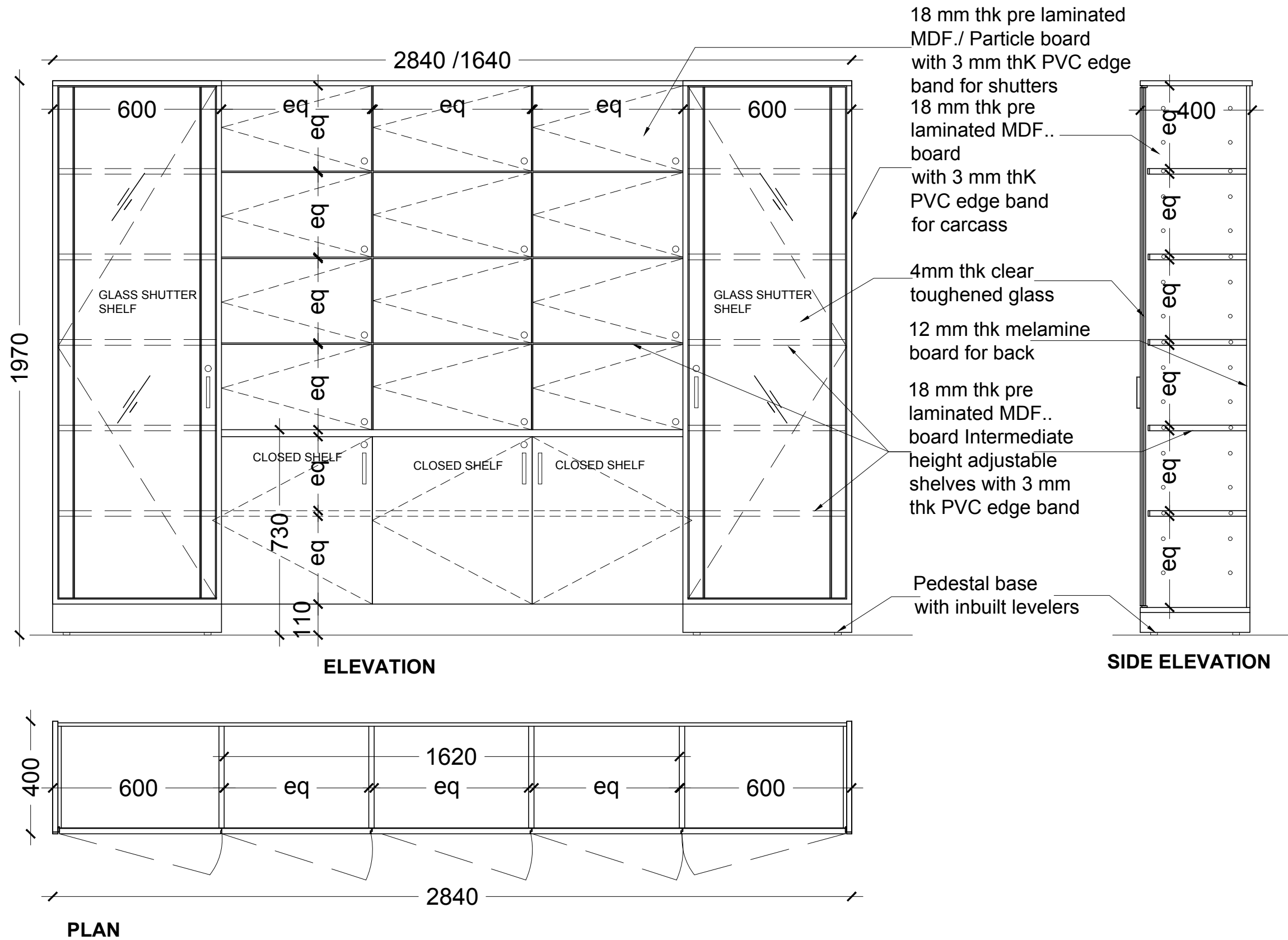
TITLE : **PIGEON HOLE STORAGE DETAILS**

APPROVED : DEALT :  
NOOR ZAINAB

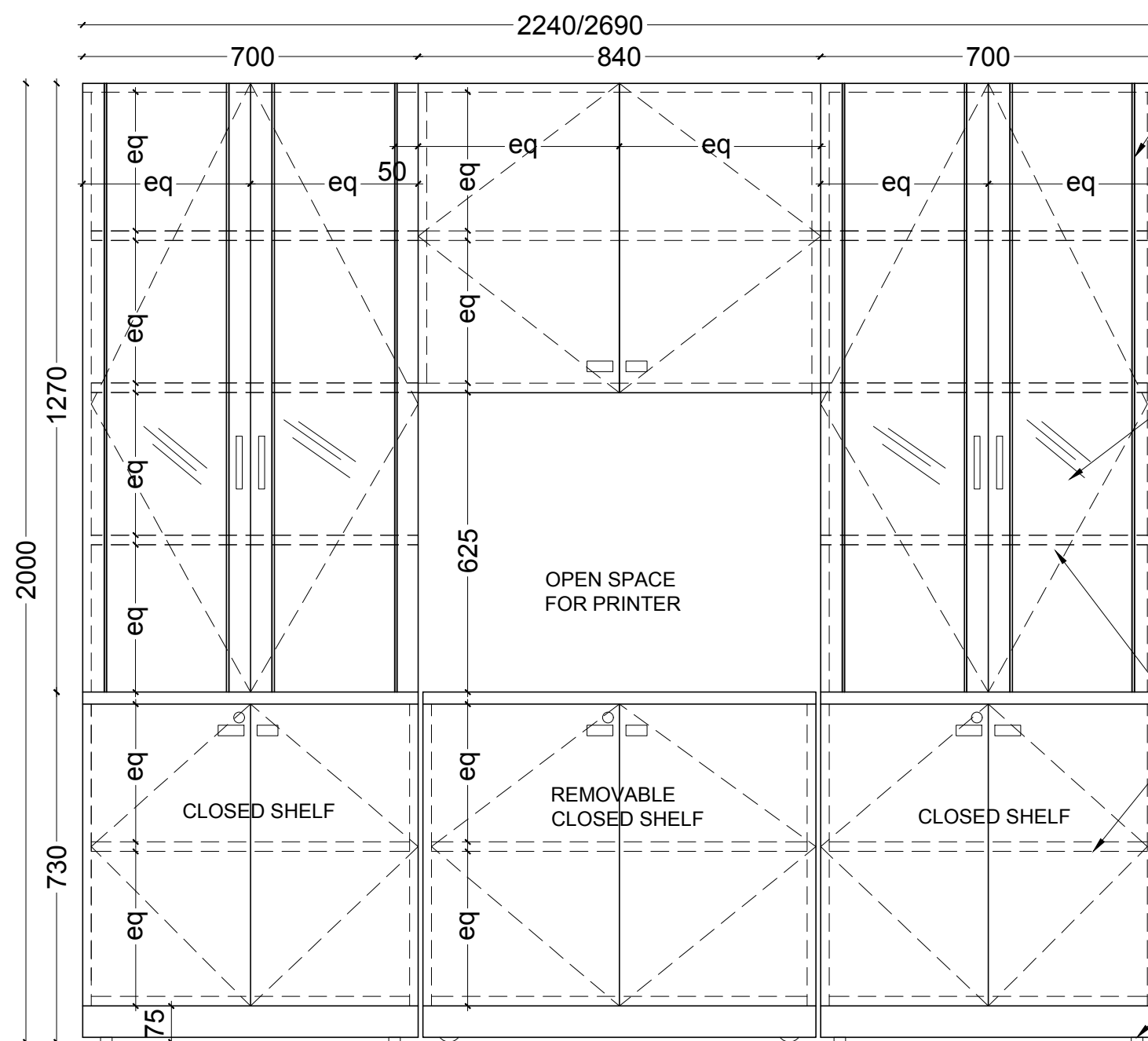
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HEAD ARCHITECT SCALE : NTS DATE :

DRG. NO : **TCIS / FRET-B / FD 11**

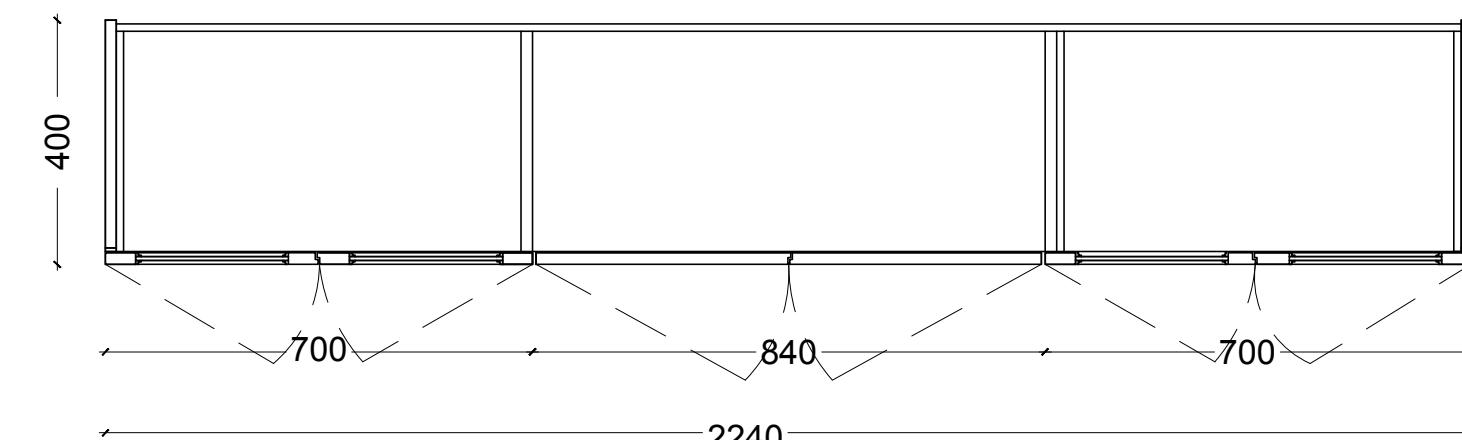
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Survey Number 36/P , Gopanpally,  
Serilingampally,  
Hyderabad - 500076



OPTION 01



**ELEVATION**



**PLAN**

18 mm thk pre laminated  
MDF./ particle board  
with 3 mm thK PVC edge band  
for shutters

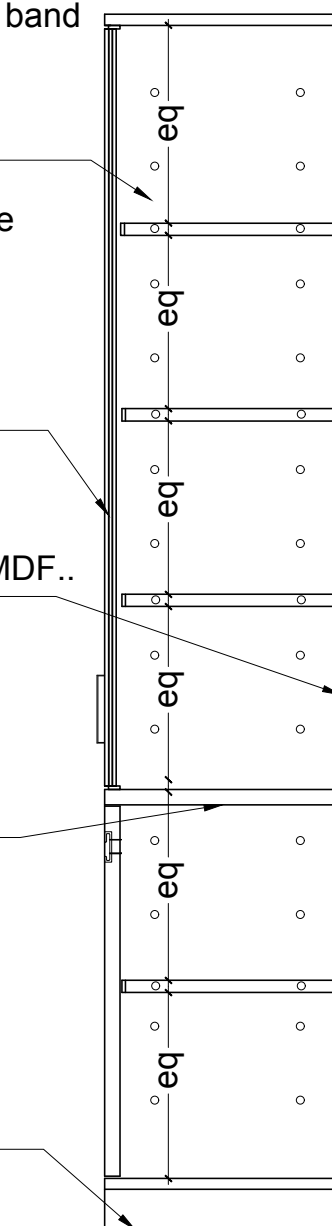
18mm thik pre laminated  
MDF.. board  
with 3 mm thick PVC edge  
band for carcass

4mm thk clear  
toughened glass

12 mm thk prelaminated MDF..  
board for back

18 mm thk pre laminated  
MDF.. Board for  
Intermediate  
height adjustable  
shelves with 3 mm thk  
PVC edge band

Pedestal base  
with inbuilt levelers



**SIDE ELEVATION**

**OPTION 02**

**DRAWING FOR TENDER PURPOSE**

page no.

**SIGNATURE OF THE TENDERER :**

**REFERENCE TO SOQ ITEM NO:**

**QUANTITY REQUIRED :**



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**PROJECT :** DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.

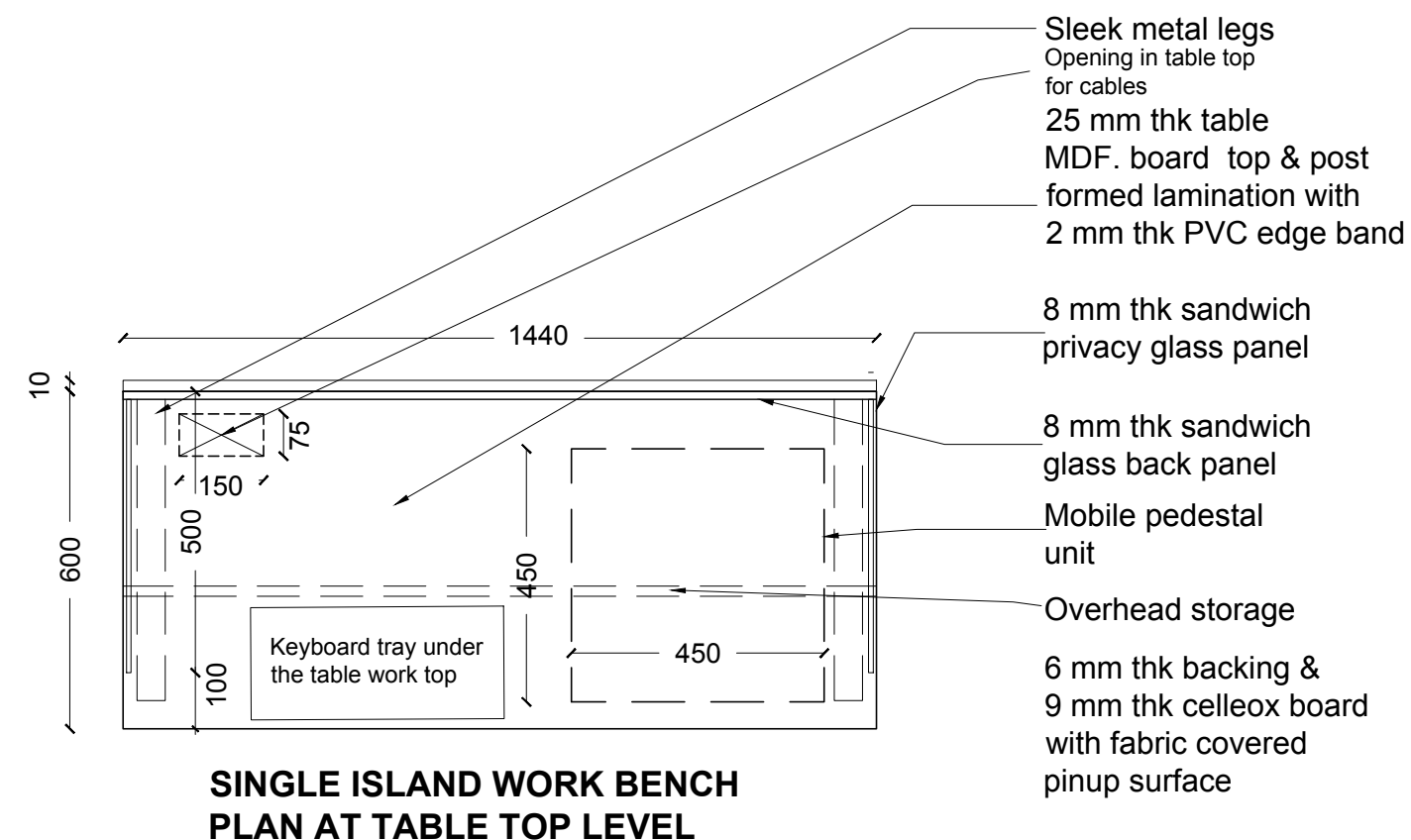
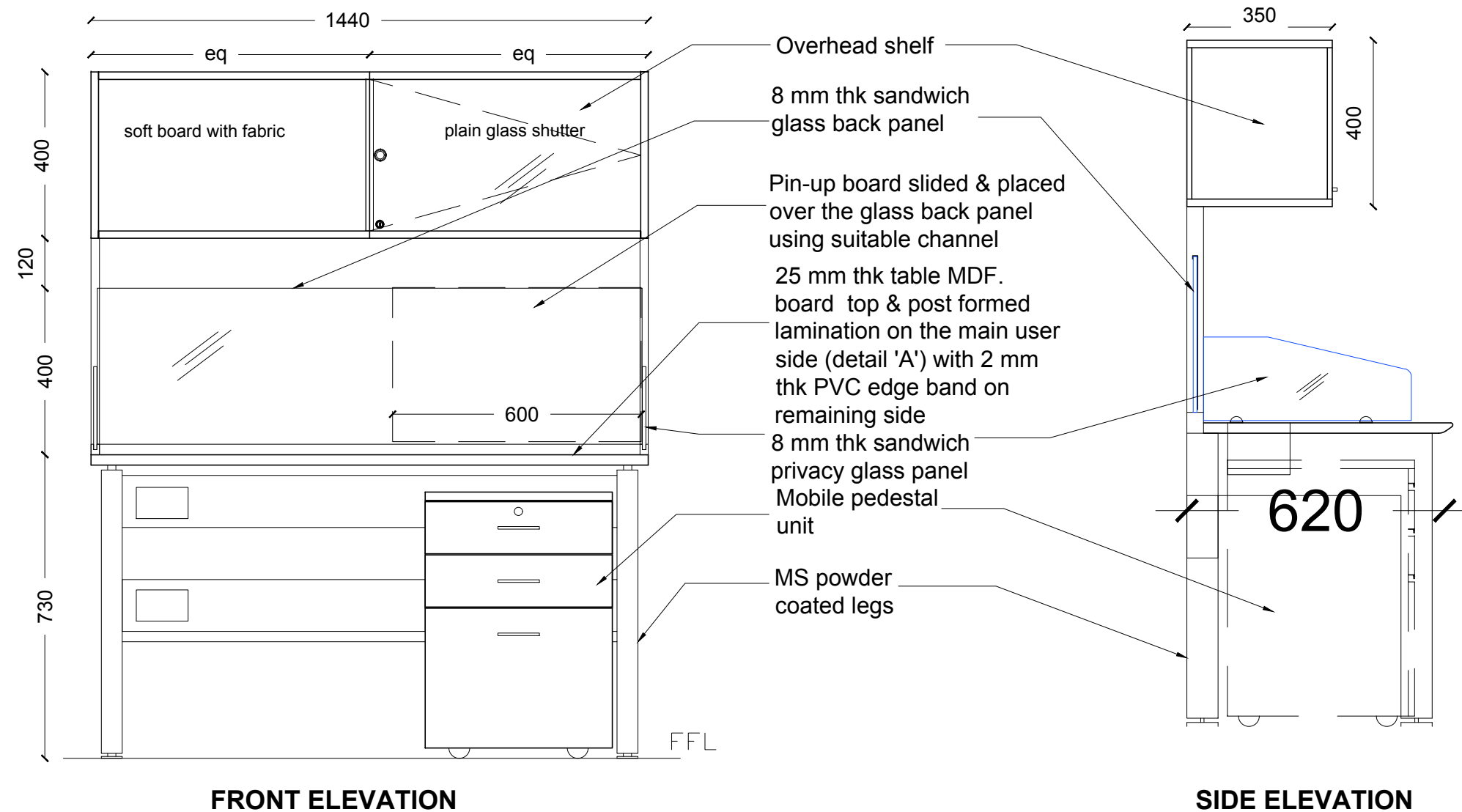
**TITLE :** PIGEON HOLE STORAGE DETAILS

**APPROVED :** DEALT : NOOR ZAINAB

POORNIMA U.B. HEAD ARCHITECT SCALE : NTS DATE :

**DRG. NO :** TCIS / FRET-B / FD 12

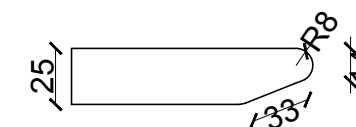
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Serilingampally,  
Hyderabad - 500076



DRAWING FOR TENDER PURPOSE

page no.

SIGNATURE OF THE TENDERER :



DETAIL 'A'

REFERENCE TO SOQ ITEM NO:

QUANTITY REQUIRED :



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PROJECT : **DESIGN & PROVIDING MODULAR WORK STATIONS TO THE LABORATORIES AT FR&T BUILDING, TIFR - HYDERABAD.**

TITLE : **SINGLE WORK BENCH**

APPROVED : DEALT :  
NOOR ZAINAB

POORNIMA U.B  
HEAD ARCHITECT

SCALE : NTS

DATE :

DRG. NO : **TCIS / FRET-B / FD 14**

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