



**Ref. No. e-Tender Notice - NITJ/PUR/CY /Mod -Fur/295/18/e-Tender No.24/2019**

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THIS DOCUMENT IS FOR REFERENCE ONLY. ONLY E-TENDERS WILL BE ACCEPTED

**Ref. No. e-Tender Notice - NITJ/PUR/CY/Mod-Fur/295/18/e-Tender No.24/2019**

**National Institute of Technology, Jalandhar invites e –tender for purchase of Office and Lab Furniture items as per detail available at Annexure –“A” along with Tender Fee & EMD for the modular furniture items required for Chemistry Department as per the detail given below:**

I	Downloading & Submission of Online –e – tender /Bids	Start Date: 12.07.2019 from 3:00 PM
II	Last date of submission of Online Bids	End Date: 05.08.2019 upto 3:00 PM
III	Physical Submission of Tender Fee & EMD	End Date: 05.08.2019 upto 3:00 PM
IV	Opening of Technical e-Bid (Online)	06.08.2019 at 3:00 PM

**Detailed Terms and Conditions are available in e-tender document. The bid document can be downloaded from the CPP Portal and Institute website.**

**Complete tender document is available for reference purposes on Institute’s website [www.nitj.ac.in](http://www.nitj.ac.in) and CPP Portal. Only e-tenders through CPP Portal (<https://eprocure.gov.in/eprocure/app>) will be accepted.**

**Registrar**



**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY**

**G T Road By Pass, Jalandhar-144011, Punjab (India)**

EPABX-0181-2690301 & 453 website: [www.nitj.ac.in](http://www.nitj.ac.in) email: [registrar@nitj.ac.in](mailto:registrar@nitj.ac.in)

Annexure-1

**Ref. No. e-Tender Notice - NITJ/PUR/CY/Mod-Fur/295/18/e-Tender No. 24/2019**

Detail of Modular Furniture Items, Tender fee and EMD is as under :

Sr No.	Name of Modular Furniture items	Qty	Tender Fee	EMD
1	Office Almirah Plain	03	Rs.500/-	Rs.200000/-
2	Book Rack	02		
3	Office Table HOD	01		
4	Main Chairs-HOD	01		
5	Visitor Chair HOD	03		
6	Sofa 3 Seater HOD Room	01		
7	Sofa 2 Seater HOD Room	01		
8	Center Table	03		
9	Side Table	02		
10	Lab Attended Table	06		
11	Lab Attended Chair	06		
12	Faculty Table	06		
13	Faculty Chair	06		
14	Faculty Visitor Chair	18		
15	Seminar Hall Chair	40		
16	Committee Room U Shape Table	1		
17	Committee Room Main Chair	1		
18	Committee Room Visitor Chair	40		
19	T1 Center Working Table Size 5100x1500x900mm	18		
20	T-2 Center Working Table Size 3150x1500x900mm	03		
21	T3 Center Working Table 3150x1500x900m	03		
22	T4 center Working Table Size 6000x1800x900mm	01		
23	Side Working Table ST-02 Size 2400x750x900mm	08		
24	Side Working Table ST-03 Size 2400x750x900mm with Sink	05		
25	Side Working Table St-04 Size 1200x750x900mm	02		
26	Side Working Table ST-05 Size 2400x900x900mm	03		
27	Side Working Table ST-06 Size 2400x900x900mm with Sink	04		
28	Side Working Table St-07 Size 1200x900x900mm	01		
29	GI Safty Shower With Eye Wash	02		
30	2 Way Water Tape	60		
31	Over Head Storage	112		
32	Reagent Rack	32		
33	Personal Belonging Rack	02		
34	Lab Stool	60		
35	Door Under Concreate Slab-sq ft.	1054		
36	Shelf - Sqft	1181		
37	Drain Opening Cover –Running Feet	687		
38	Fume Hood	02		

**Note: The quantity of required items may vary as per requirement.**

**“Exemption of Tender Fee & EMD will only be given to MSME/NSIC registered bidders”**



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**Important Note**

1. All corrigenda, addenda, amendments and clarifications to Tender & Terms and Conditions will be uploaded on the website [www.nitj.ac.in](http://www.nitj.ac.in), and CPP Portal and not in the newspaper, Bidders shall keep themselves updated with all such developments.
2. In case the last date of receipt/ opening of bids falls on holiday, the bids shall be receipt/opened on the next working day at same time.
3. Tenderer who have downloaded the tender document form from the institute website shall submit a declaration along with tender document that I/we have downloaded the tender form from the Institute website [www.nitj.ac.in](http://www.nitj.ac.in) and I/we have not tempered/modified the tender form in any manner. In case, if the same is found to be tempered/modified in any manner, I/we understand that my/our tender will be summarily rejected and I/we are liable to be banned from doing business with institute.
4. **Tender Fee of Rs.500/- (Non-refundable) in the form of a Demand Draft in favour of Director, Dr B R Ambedkar NIT, Jalandhar is to be submitted.**
5. **Earnest Money Rs.2,00,000/- (refundable) in the form of a Demand Draft in favour of the Security A/c, Dr B R Ambedkar NIT, Jalandhar is to be submitted.**
6. **Both EMD and Tender fee must be submitted by the dates mentioned in schedule, failing which e-bids will not be considered and treated as invalid.**
7. The catalogue of manufacturer, document regarding eligibility must be given in detail with documentary proof and must be uploaded in Technical bid.
8. **All bidders are required to submit the Tender fee and EMD as per requirement of the Tender document failing which bids received straightway rejected and bid will be treated as invalid.**
9. **If the bidder is exempted for payment of Tender Fee and EMD as NSIC/MSME registered bidders, then bidder is required to submit NSIC/MSME exemption certificate for the same. The certificate must be valid as on late date of submission of bid.**
10. The tenderer should not be debarred or blacklisted by any Central Government/ any State Government Department (s). Certificate to this effect be provided as per **Annexure-A**.
11. The Institute is not liable to pay any interest on EMD. Earnest money deposit shall be forfeited, if the tenderer, withdraws its bid during the period of tender validity. The Earnest money deposit of the tenderer, whose tender has been accepted, will be returned on the submission of performance security @ 5% of the total value of the offer. The performance security will be kept till the warranty period + 02 months more of the Equipment /Item. The warranty period will start from the date of satisfactory installation of the Equipment /Item duly given by the concerned department. Earnest money deposit of the successful tenderer shall be forfeited, if it refuses or neglects to execute the contract or fails to furnish the required performance security within the time frame as specified by the institute. The EMD(s) of other Bidder(s) whose offer are found according to required specifications/ lowest will be released after finalization of Technical Bids/ Lowest Bid/Purchase.



**Instructions to Tenderer**

- 1. No tender will be accepted in physical form.** The bidders shall have to submit their bids online in Electronic Format under Digital Signatures. For participation in the e-tendering process, the bidders need to register themselves on **CPP Portal**.
- 2. Bids are to be submitted online and opened online as per the time given failing which no tender will be considered.**
3. Bids will be opened online as per time given in schedule.
4. The tenderers are required to upload the duly signed and stamped copies of the relevant documents required as per Terms & Conditions of the tender and its Annexure, failing which their bids may be rejected and will not be considered.
- 5. The scan copy of Terms and Conditions of this tender document duly signed and stamp must be uploaded, failing which their bids may be rejected and will not be considered.**
6. NIT Jalandhar will not be responsible for any delay in online submission of bids due to any reason whatsoever.
7. Bidders should also send the scanned copies of Tender fees and EMD as specified in the tender documents with online documents.

**Tender Fee (Rs.500/- non-refundable) in the form of a Demand Draft in favor of the Director, Dr B R Ambedkar NIT, Jalandhar and Earnest Money (Rs. 2,00,000/- refundable) in the form of a Demand Draft in favor of the Security A/c, Dr B R Ambedkar NIT, Jalandhar should be submitted to the following address by last date of submission and as per schedule time given for physical submission of EMD and Tender fee, super scribe as following:-.**

<p><b>Kind Attention: Dispatch Section (Purchase Section)</b> <b>e-tender of Modular Furniture Items e-Tender Notice -NITJ/PUR/ CY/Mod-Fur/295/18/e- Tender no.24/2019</b> <b>Submission of EMD &amp; Tender Fee</b> <b>Due date _____ and Time _____</b> <b>Director,</b> <b>Dr B R Ambedkar National Institute of Technology,</b> <b>GT Road, Amritsar By Pass, Jalandhar 144001 (Punjab) (India)</b></p>
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Envelope should have full address, phone number & Email of the tenderer.

**Read and Accepted.**

**(Signature & Stamp of Tenderer)**



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7. The details of EMD specified in the tender document should be same as submitted online (scanned copies). Otherwise tender will be rejected summarily.
8. The conditional bids shall not be considered and will be out rightly rejected.
9. At any time prior to the deadline for submission of bid, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tender(s), modify the tender document by amendment.
10. The amendment (if any) will be uploaded on CPP Portal and on Institute website [www.nitj.ac.in](http://www.nitj.ac.in) only. In order to afford prospective tenderer(s) reasonable time in which to take the amendment into account in preparing their bid, the institute may, at its discretion extend the deadline for the submission of tender. –
11. The bidders should submit their financial bid/BOQ as per the format provided/given on CPP Portal. –

**Read and Accepted.**

**(Signature & Stamp of Tenderer)**



**Terms & Conditions for Tenderers regarding supply of Modular Furniture Items**

1. **FOR:** Rates shall be quoted in Indian Rupees & FOR NIT, Jalandhar basis.
2. The quotee should submit financial/Commercial bid strictly according to format prescribed on the portal.
3. Furniture will be procured from an ISO certified organization, with ISO 9001:2015 (For Design, Development, Manufacturing, Marketing and Sale of Furniture items), ISO 14001:2015 (For Design , Development , Manufacturing, Marketing and Sale of Furniture items), OHSAS 18001:2007 (For Design, Development, Manufacturing Marketing and Sale of Furniture items), ISO 13485:2003/NS-EN ISO 13485:2012 (For Design, Development , Manufacturing , Marketing , Sales, Supply and Servicing of Furniture), IGBC and BIFMA membership. **All above documents are essential and same are required to be uploaded alongwith the Technical Bid.**
4. Furniture will be procured alongwith either GreenGuard/IAQ/CE (For Design, Development , Manufacturing, Marketing, Sales Supply and Servicing of Furniture items) and SEFA-10 (For Lab furniture) only and BIFMA (For office furniture) certifications for minimum 80% products quoted. **All above documents are essential and same are required to be uploaded alongwith the Technical Bid.**
5. Only Technical qualified bidders shall be eligible for financial bid opening as the tender is being invited in two bid system.
6. The supply of material is required within 60 days or stipulated date as mentioned in the supply order. Being an Educational Institution, time is essence of the order. Date of the delivery shall be strictly adhere to, otherwise, the Institute reserves the right not to accept the delivery in part or full. On delay in delivery, the penalty will be imposed as per institute rules.
  - a. The Director will allow extension on the request of the supplier by recording in writing that in exceptional circumstances the supply was beyond the control of the supplier and there was no loss to the institute.
  - b. Part Supply is normally not acceptable. But may be allowed in genuine cases, on written request and subject to approval only.
  - c. If the suppliers fail to deliver the stores within the allotted delivery period as specified above, the purchaser may procure goods or services similar to those un-delivered, upon such terms and in such manner as it deems appropriate from any other firm and in such case the supplier will be liable to the purchaser for any excess cost.
7. The GST or any other chargeable taxes must be specifically mentioned failing which no tax/duty will be allowed at subsequent stage. Otherwise, it will be termed as inclusive of all taxes.
8. MRP rates must be mentioned in the tender (where applicable).
9. **Payment Terms:** 100% payment will be released within 30 days from the date of satisfactory delivery, installation and inspection of the material by concerned Department/Section/Store in the institute. No advance payment will be made for the supplies. Payment shall be made by Cheque or such other mode/ electronic fund transfer offered by the Bank. Any loss or damage and shortage to the items while handling/transporting till such time the items are delivered and handed over to this office



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is the sole responsibility of the supplier/dealer.

10. The offer shall be kept valid for at least 90 days.
11. The items, so supplied will have to be of high quality and grade. During inspection/test, if these are found to be of inferior quality/duplicate, the same are to be replaced by supplier at their own risk & cost within the stipulated period, failing which the Contract with the firm may be cancelled and EMD will be forfeited. The delayed supply/non-compliance of complete order may also lead to cancellation of order.
12. **The warranty** of the furniture should be provided for at least one year from the date of installation (where installation is required it should be done within 30 days or as the date given by the Institute).
13. The Director may modify, impose or relax any clause in the terms and conditions.
14. Any dispute arising out of this contract at any stage shall be referred to the Director NIT Jalandhar whose decision shall be final and binding upon both the parties.
15. The bid of any tenderer who has not complied with one or more of the conditions of instructions and Terms & conditions or fail to submit the required documents as required/ or mentioned in tender document are liable to be summarily rejected.
16. Mere submission of application/ proposal does not imply acceptance of the same at this end and the firms will be enlisted only after meeting the laid down qualifying parameters for which decision of Director, NIT Jalandhar shall be final and binding on the parties.
17. **Penalty/Liquidated damages:** The Director, NIT Jalandhar reserves the right to impose 0.5% (half percent) penalty per week on account of delay in supply, If delivery received after expiry of the original delivery period. The total penalty should not exceed 10% of the value of the delayed goods. It will be also open to the Institute to procure the required item(s) from any other source at the risk and expense of the firm.

**18. Stages of award of contract:**

**Stage-1-** The technical bids will be evaluated by an expert committee of the institute on the basis of Technical Bid document/ eligibility criteria. The committee will shortlist the eligible bidders for financial evaluation.

**Stage-II-** The finally technically qualified bidders will be considered for financial evaluation and award of contract.

*Read and Accepted*

**(Signature & Stamp of Tenderer)**





**DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART  
IN TENDER.**

(To be executed & attested by Public Notary / Executive Magistrate on Rs.10/- non judicial Stamp paper by the Tenderer)

I / We \_\_\_\_\_ (Tenderer) hereby declare that the firm / agency namely M/s. \_\_\_\_\_ has not been blacklisted or debarred in the past by Union / State Government or organization from taking part in Government tenders in India.

Or

I / We \_\_\_\_\_ (Tenderer) hereby declare that the Firm / agency namely M/s. \_\_\_\_\_ was blacklisted or debarred by Union / State Government or any Organization from taking part in Government tenders for a period of \_\_\_\_\_ years w.e.f. \_\_\_\_\_ to \_\_\_\_\_ . The period is over on \_\_\_\_\_ and now the firm/company is entitled to take part in Government tenders.

In case the above information found false I / we are fully aware that the tender/ contract will be rejected / cancelled by Director, Dr B R Ambedkar NIT Jalandhar, and EMD / SD shall be forfeited.

In addition to the above Director, Dr. B R Ambedkar NIT Jalandhar, will not be responsible to pay the bills for any completed / partially completed work.

DEPONENT

**Attested:**

(Public Notary / Executive Magistrate)

Name \_\_\_\_\_

Address \_\_\_\_\_



**ARBITRATION**

In case of any dispute or difference arising out of or in connection with the tender conditions / job order the Institute and the Seller will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute.

The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jalandhar only. The decision of the Arbitrator shall be final and binding on both the parties.

**JURISDICTION**

The courts at Jalandhar alone will have the jurisdiction to trial any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Jalandhar Court shall have jurisdiction in the matter.

We M/S\_\_\_\_\_read and accepted the terms and conditions of the tender documents and shall comply with them strictly.

**Read & accepted**

**Signature of Tender(s)**

(Individual / Firm / Company / Other)

(Affix stamp except individuals)

Name in full\_\_\_\_\_

Address for correspondence\_\_\_\_\_

Phone No.\_\_\_\_\_Mobile No.\_\_\_\_\_

Permanent Address\_\_\_\_\_

Email address\_\_\_\_\_



**ON THE LETTER HEAD OF THE SUPPLIER**

**NOTES**

- We hereby declare that all the particulars given in this bid are true and complete to the best of our knowledge and belief and we attach the duplicate copies of document & certificate duly self-attested and all the original document will be produced promptly, if necessary or as and when, asked for by Dr. B R Ambedkar NIT Jalandhar. We understand that information/ document provided by us will serve as Pre- qualification Criteria for e-tendering and in the event of any information being found false or incorrect or ineligibility being detected even after the approval, the order may be Cancelled and all your claims may be forfeited by the Dr. B R Ambedkar NIT Jalandhar. We have read and understood all the terms and conditions of –e tender and we fully agree to it.
- The price quoted for stores should in no event exceed the lowest price at which identical stores are supplied/sold to any other Govt./ Educational Organization, and in the event of happening of such situation, we will be bound to refund the difference and our enlistment may be cancelled at the discretion of Dr. B R Ambedkar NIT Jalandhar.
- We also undertake that all the terms and such as Product Range, Price, Discount, Delivery/other charges, Terms of Payment and also the name/s of the Dealer/ Distributor will remain unchanged during the period and no alteration will be done without your official approval. However, we will promptly change our distributor /supplier if a request /complaint is received from your end with regard to this effect due to any reason.

Date:

Signature :

Place:

Name:

Designation:

Seal of the firm

ANALYSIS OF PRODUCTS

SNO	ITEM	HOD ROOM	COMMITTEE ROOM	SEMINAR ROOM	UG LAB 2, LAB 008	UG LAB 01, LAB 202	Organic Lab 301	INORGANIC PS LAB 308	ANALYSIS CHEMICAL LAB LAB 02	PHYSICAL (PS) LAB -108	BST FEST LAB 208	R&D LAB LAB 321	NATURAL PRO REEDIC. CHE LAB , LAB 320	PROTECT LAB , LAB 004	TOTAL
1	OFFICE ALMIRAH PLACK	3	0	0	0	0	0	0	0	0	0	0	0	0	3
2	Book Rack	2	0	0	0	0	0	0	0	0	0	0	0	0	2
3	OFFICE TABLE - HOD	1	0	0	0	0	0	0	0	0	0	0	0	0	1
4	MAJN CHAIRS- HOD	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5	Water Cooler HOD	3	0	0	0	0	0	0	0	0	0	0	0	0	3
6	SOFA 3 SEATER H.O.D. ROOM	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	SOFA 2 SEATER H.O.D. ROOM	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8	CENTER TABLE	1	1	1	0	0	0	0	0	0	0	0	0	0	3
9	SIDE Table	1	0	0	0	0	0	0	0	0	0	0	0	0	2
10	LAB ATTENDED TABLE	0	0	0	1	1	1	1	1	1	0	0	0	0	6
11	LAB ATTENDED CHAIR	0	0	0	1	1	1	1	1	1	0	0	0	0	6
12	FACULTY TABLE	0	0	0	1	1	1	1	1	1	0	0	0	0	6
13	FACULTY CHAIR	0	0	0	1	1	1	1	1	1	0	0	0	0	6
14	FACULTY VISITOR CHAIR	0	0	0	3	3	3	3	3	3	0	0	0	0	18
15	SEMINAR HALL CHAIR	0	0	40	0	0	0	0	0	0	0	0	0	0	40
16	COMMITTEE ROOM - V SHAPE TABLE	0	1	0	0	0	0	0	0	0	0	0	0	0	1
17	COMMITTEE ROOM- MAJN CHAIR	0	1	0	0	0	0	0	0	0	0	0	0	0	1

18	COMMITTEE ROOM with Chair	0	40	0	0	0	0	0	0	0	0	0	0	0	40
19	T3 center working table size 5100x1500x900mm	0	0	0	3	3	3	3	3	3	0	0	0	0	18
20	T-2 CENTER WORKING TABLE SIZE 3200x1500x900MM	0	0	0	0	0	0	0	0	0	0	3	0	0	3
21	T3 CENTER WORKING TABLE 3200x1500x900MM	0	0	0	0	0	0	0	0	0	3	0	0	0	3
22	T4 CENTER WORKING TABLE SIZE 4000x1800x900MM	0	0	0	0	0	0	0	0	0	0	0	1	0	1
23	SIDE WORKING TABLE ST-02 SIZE 2400x750x900MM	0	0	0	0	0	0	0	0	0	3	4	0	1	8
24	SIDE WORKING TABLE ST-03 SIZE 2400x750x900MM WITH SINK	0	0	0	0	0	0	0	0	0	2	3	0	0	5
25	SIDE WORKING TABLE ST-04 SIZE 1200x750x900MM	0	0	0	0	0	0	0	0	0	1	1	0	0	2
26	SIDE WORKING TABLE ST-05 SIZE 2400x900x900MM	0	0	0	0	0	0	0	0	0	0	0	3	0	3
27	SIDE WORKING TABLE ST-06 SIZE 2400x900x900MM WITH SINK	0	0	0	0	0	0	0	0	0	0	0	4	0	4
28	SIDE WORKING TABLE ST-07 SIZE 1200x900x900MM	0	0	0	0	0	0	0	0	0	0	0	1	0	1
29	62 SAFTY SHOWER WITH EYE WASH	0	0	0	1	1	0	0	0	0	0	0	0	0	2

*Handwritten signature in blue ink.*

30	2 WAY WATER TAP	0	0	0	7	7	8	8	8	8	2	9	3	0	60
31	OVER HEAD STORAGE	0	0	0	10	10	10	10	10	10	10	16	11	7	112
32	REAGENT RACK	0	0	0	0	0	0	0	0	0	0	16	16	0	32
33	PERSONAL BELONGING RACK	0	0	0	1	1	0	0	0	0	0	0	0	0	2
34	LAB STOOL	0	0	0	6	6	6	6	6	6	6	6	6	6	60
35	DOOR UNDER CONCRETE SLAB - SQFT	0	0	0	174	179	174	177	172	178	0	0	0	0	1054
36	SHELF-SQFT	0	0	0	192	200	185	166	200	197	0	0	0	0	1181
37	DRAIN OPENING COVER - RUNNING FEET	0	0	0	104	106	116	106	119	106	0	0	0	0	687
38	Funnel Wash	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*[Handwritten signature]*

*[Handwritten signatures]*

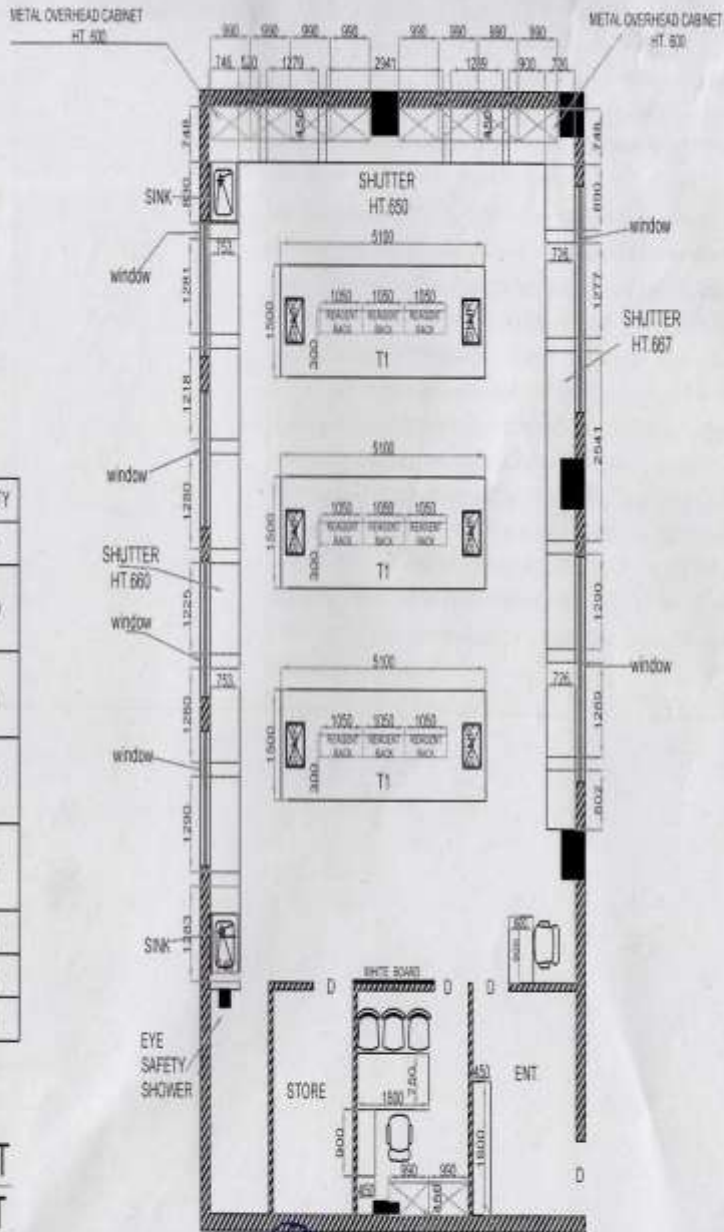
*Annexure - II*

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

S.NO	DESCRIPTION	SIZE	QTY
1	T1	5100 X 1500 X 900	3
2	OVERHEAD CABINET	990 X 450 X 600	10
3	LAB ATTENDED TABLE	900 X 600 X 750	1
4	FACULTY TABLE WITH SIDE EXTENSION	1800 X 750 X 750 450 X 900 X 750	1
5	EYE SAFETY SHOWER	-----	1
6	LUGGAGE RACK	1800 X 450 X 1950	1
7	WHITE BOARD	-----	1
8	REAGENT RACK	1050 X 300 X 900	1

SHUTTER = 179 SQ.FT  
SHELF = 200 SQ.FT  
DRAIN RUNNING FEET 116



*[Handwritten signatures]*

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT -

N.I.T JALANDHAR


Revised

1
2
3
4
5
6
7

TITLE- *lab-202*

U.G-LAB  
SECOND FLOOR  
*LAB-202*


(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202	 Chemistry Lab	03 NOS	<p><b>T1 CENTER WORKING TABLE :</b> Work Top :Made of finely polished (38-4mm) thick Black Granite Top with Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. <b>Material Of Construction:</b> Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. <b>Under Bench Module :</b> Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L (As per layout). Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construction :</b> MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating <b>Knee space area :</b> Openable back cover panel. It must be adjustable + 100 mm. <b>Instrumentation and Sitting area knee space</b> need to be 600 or 750 mm. <b>Sink &amp; Tap :</b> Polypropylene sink with outlet Nipple and three way swan neck top will be provided <b>Reagent Rack :</b> Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height 900 mm. <b>Powder Coating :</b> Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm</p>





### GI Safety Shower With Eye Wash


SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-1 , LAB NO 202		1 NOS	GI Safety Shower With Eye Wash Technical specification: Material of Construction: G.I. Pipe. Inlet Connection: 1" B.S.P female thread. Outlet Connection: 1 1/2" B.S.P female thread. Colour: Black. Outer Surface: Powder Coated. Pressure Test: At 2.0 Kg/Cm <sup>2</sup> in each Quantity.

*[Handwritten signatures and initials]*

2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		7 NOS	<p>2 Way Outlet Without Swan Neck</p> <p>Product Details:</p> <p>Knob Polypropylene</p> <p>Powder Coating Epoxy Fusion Bond In Grey Colour</p> <p>Test 3 Brushing at 500 PSI</p> <p>Inlet Connection 1/2" B.S.P</p> <p>Test 1 Pneumatic at 250 PSI</p> <p>Test 2 Hydraulic at 30 PSI</p>




*Handwritten signatures and initials in blue ink.*

Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		10 nos	<p>Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power crate handles SIZE 39" X 24" X 18" LXHXD</p>

*[Handwritten signatures]*

img130



FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	UG-LAB -01, LAB NO -202		01 NOS	Faculty table RFH D/T/106 Office Table New model with three drawer box on one side and one cupboard on other side. Framed made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Top made of 18mm prelaminated board. Front Covered with steel sheet table size 1500x750x900mm
2	UG-LAB -01, LAB NO -202		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (castor wheel dia. 5.0cm) The pedestal is 60.0cm. pitch centre dia. (70.0 cm with castors
3	UG-LAB -01, LAB NO -202		03 nos	<b>Visitor Chair (faculty )</b> <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape

*[Handwritten signatures and initials]*

DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		179-SQFT	Storage door , under the concrete slab : door made in as per actual size at site , door made in 18 gauge, with lock provision sheet shall be 18 SWG. manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating
2	UG-LAB-01, LAB-202		200-SQFT	SHELF UNDER THE CUPBOARD fit with I shape angle shelf 18 gauge duly powder coated 55 55 micron. .manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating


img134

**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	UG-LAB-1 , LAB NO 202		01 NOS	Lab attended table RFHD/T/108 Table New model made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel. All drawer lockable with single key. Top made of 18mm pre laminated board
2	UG-LAB-1 , LAB NO 202		01 NOS	VISITOR CHAIR Size: 51cm W x 60cm D x 82cm H, Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m <sup>3</sup> and hardness = 20 +/- 2). Size of back 42cm W x 27cm H, seat size : 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG MES RW tube and a welded leg tube made of dia 2.54cm x 18 BG MS ERW tube to form the complete assembly which is black powder coated, or near




Personal Belonging Rack

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	U6-LAB-01, LAB-202		01 NOS	Personal Belonging Rack: size 1950mm h x1800 w x450mm d made in 18mm thick mdf board with 7 shelf on each compartment, edges cover with 2mm thick hot glue pvc lipping bottom 4" ms legs powder coated, rack as per drawing

*[Handwritten signatures and initials in blue ink]*

**LAB STOOL**

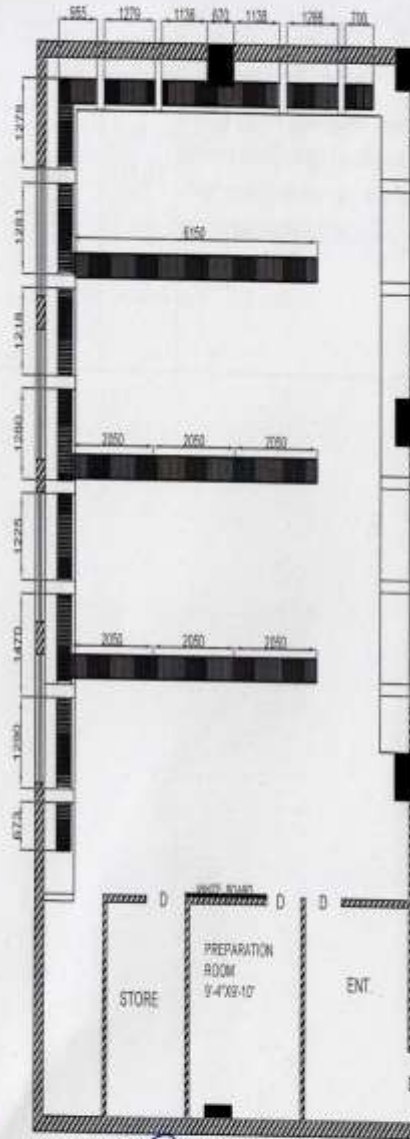
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

*[Handwritten signatures and initials in blue ink]*



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DRAIN RUNNING FEET 116



*[Handwritten signatures in blue ink]*

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT -  
N.I.T JALANDHAR

Revised

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TITLE- DRAIN LAYOUT  
 U.G- LAB  
 SECOND FLOOR  
 LAB-200

**DRAIN OPENING COVERS -(Running Feet)**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202	as per drawing	116 rft	<p><b>DRAIN COVER</b> Providing and fixing MS angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shpe 14 gague and iron bar 12x12mm sq 16 gague.</p>

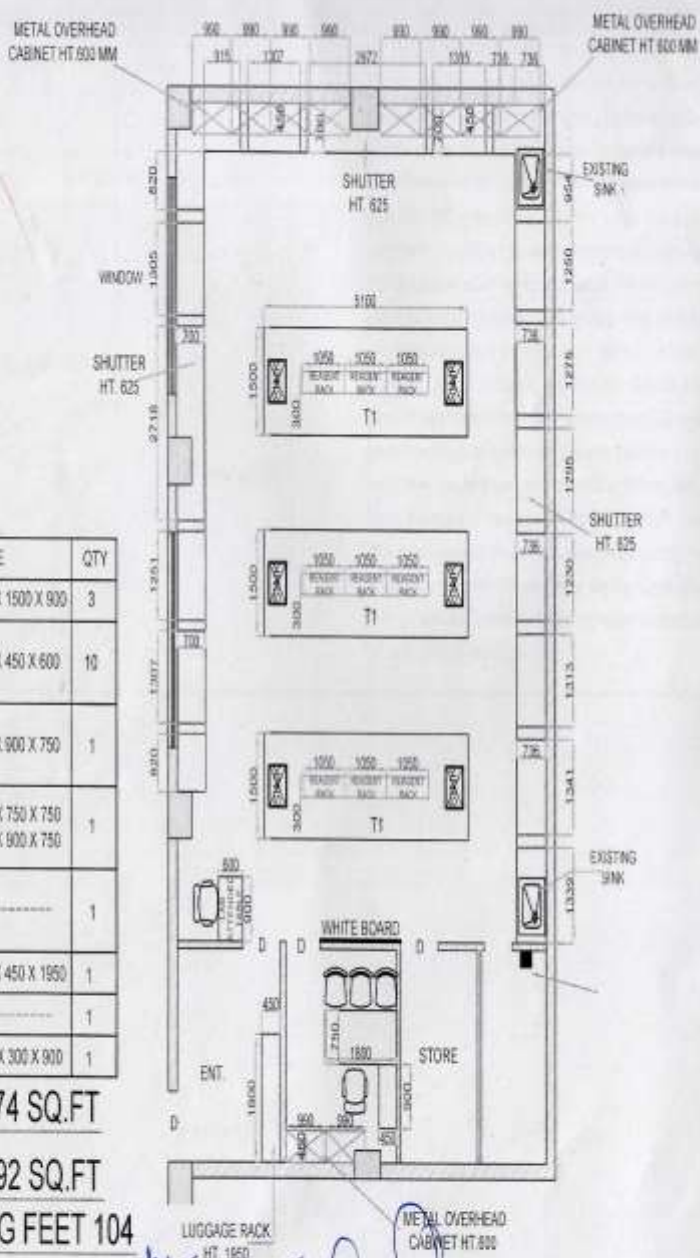
8



*Annexure -TII*

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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S.NO	DESCRIPTION	SIZE	QTY
1.	T1	5100 X 1500 X 900	3
2.	OVERHEAD CABINET	990 X 450 X 600	10
3.	LAB ATTENDED TABLE	600 X 900 X 750	1
4.	FACULTY TABLE WITH SIDE EXTENSION	1800 X 750 X 750 450 X 900 X 750	1
5.	EYE SAFETY SHOWER	-----	1
6.	LUGGAGE RACK	1800 X 450 X 1950	1
7.	WHITE BOARD	-----	1
8.	REAGENT RACK	1050 X 300 X 900	1

SHUTTER = 174 SQ.FT  
 SHELF = 192 SQ.FT  
 DRAIN RUNNING FEET 104

CLIENT SIGNATURE


VENDOR'S SIGNATURE

PROJECT -  
 N.I.T JALANDHAR

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TITLE- *LAB-08*  
 U.G- LAB-2  
 GROUND FLOOR  
 LAB-08

(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-2 , LAB -008	 Chemistry Lab	03 NOS	<p><b>T1 CENTER WORKING TABLE</b> : <b>Work Top</b> : Made of finely polished (18-Inch) thick Black Granite Top with Chamfer mauling at the front &amp; groove at the bottom to avoid chemical spillage on the modules. <b>Material Of Construction</b> : Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. <b>Under Bench Module</b> : Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L (As per layout), Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construction</b> : MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating <b>Knee space area</b> : Openable back cover panel. It must be adjustable - 100 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. <b>Sink &amp; Tap</b> : Polypropylene sink with outlet Nipple and three way swan neck top will be provided <b>Reagent Rack</b> : Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height 900 mm. <b>Powder Coating</b> : Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm.</p>



### GI Safety Shower With Eye Wash

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-2 , LAB NO 008		1 NOS	GI Safety Shower With Eye Wash Technical specification: Material of Construction: G.I. Pipe Inlet Connection: 1" B.S.P female thread. Outlet Connection: 1 1/2" B.S.P female thread. Colour: Black. Outer Surface: Powder Coated. Pressure Test: At 2.0 Kg/Cm <sup>2</sup> in each Quantity.




img152

2 Way Outlet Without Swan Neck

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		7 NOS	2 Way Outlet Without Swan Neck Product Details: Knob Polypropylene Powder Coating Epoxy Fusion Bond In Grey Colour Test 3 Bursting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI




*[Handwritten signatures]*

Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		10 nos	Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles.SIZE39"X24"X18" LXHXD



img156

FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SRNO	LAB NAME & LAB NO	PICTURE	QTY	SPECIFICATION
1	UG-LAB -02, LAB NO -008		01 NOS	Faculty table RFH D/T/106 Office Table New model with three drawer box on one side and onecupboard on other side.Framemade of 1" steel square pipe.Structure under the top made of1"x2" section pipe.Top made of18mm prelaminated board.FrontCovered with steel sheet table size 1500x750x900mm
2	UG-LAB -02, LAB NO -008		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type, 17 degree maximum tilt on pivot at centre. Tilt tension adjustment, Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (caster wheel dia. 5.0cm) The pedestal is 60.0cm. pitchcentre dia. (70.0 cm with castors
3	UG-LAB -02, LAB NO -008		03 nos	<b>Visitor Chair (faculty )</b> <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape

Handwritten signatures in blue ink.





DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT				
SERVO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		174-SQFT	Storage door , under the concrete slab : door made in as per actual size at site , door made in 18 gauge, with lock provision sheet shall be 18 SWG. manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating
2	UG-LAB-02, LAB-008		192-SQFT	SHELF UNDER THE CUPBOARD fit with I shape angle shelf 18 gauge duly powder coated 55 55 micron, .manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating


Handwritten signature and initials in blue ink, consisting of several stylized characters and a circular stamp-like mark.

img162


**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	UG-LAB-2 , LAB NO 008		01 NOS	Lab attended table RFHD/T/108 Table New model made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel. All drawer lockable with single key. Top made of 18mm pre laminated board
2	UG-LAB-2 , LAB NO 008		01 NOS	<b>VISITOR CHAIR</b> Size: 51cm W x 60cm D x 82cm H, Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m <sup>3</sup> and hardness = 20 +/- 2) . Size of back 42cm W x 27cm H, seat size : 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG WES RW tube and a welded leg tube made of dia 2.54cm x 15 BG MS ERW tube to form the complete assembly which is black powder coated, or near

*[Handwritten signatures in blue ink]*

Personal Belonging Rack				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		01 NOS	<p>Personal Belonging Rack:            size 1950mm h x 1800 w x 450mm d made in 18mm thick mdf board with 7 shelf on each compartment, edges cover with 2mm thick hot glue pvc lipping bottom 4" ms legs powder coated, rack as per drawing</p>

*[Handwritten signatures]*

LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

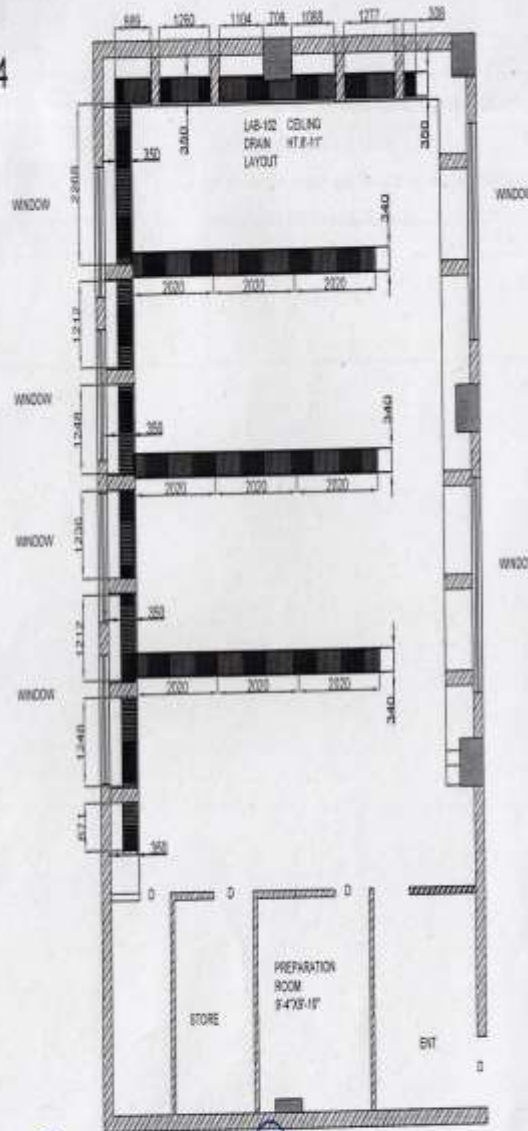





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ANNEXURE-III

DRAIN RUNNING FEET 104



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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

CLIENT SIGNATURE

VENDOR'S SIGNATURE






PROJECT - N.I.T JALANDHAR

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TITLE- DRAIN LAYOUT

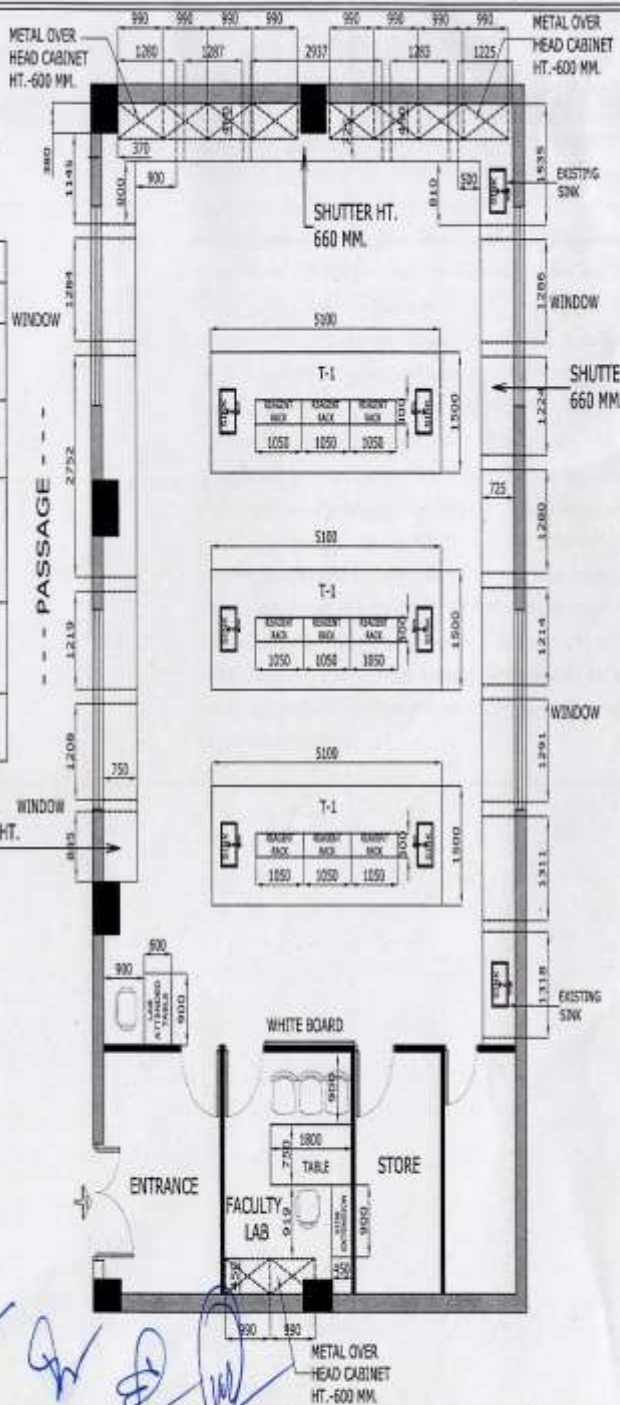
U.G- LAB-2  
GROUND FLOOR  
LAB 08

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DRAIN OPENING COVERS -(Running Feet)				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008	as per drawing	104 rft	DRAIN COVER Providing and fixing MS angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shpe 14 gague and iron bar 12x12mm sq 16 gague

SHUTTER = 178 SQ. FT  
 SHELF = 197 SQ. FT.  
 DRAINAGE = 116 R.FT

S.NO.	DESCRIPTION	SIZE	QTY
1.	T-1,	5100 X 1500 X 900	3
2.	REAGENT RACK	1050 X 300 X 900	9
3.	OVER HEAD CABINET	990 X 450 X 600	10
4.	FACULTY TABLE WITH SIDE EXTENSION	TABLE 1800 X 750 X 750 EXTENSION 900 X 450 X 750	1
5.	LAB ATTENDED TABLE	900 X 650 X 750	1
6.	WHITE BOARD		1



REMARKS  
*Annexure - IV*

CLIENT SIGNATURE


VENDOR'S SIGNATURE

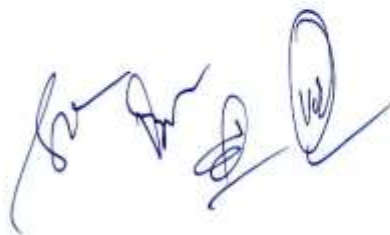
PROJECT -  
 N.I.T JALANDHAR

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TITLE -  
 PHYSICAL ( PG )  
 ( FIRST FLOOR )  
 LAB NO :- 108

(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM


SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB -108	 Chemistry Lab	03 NOS	<p><b>T1 CENTER WORKING TABLE :</b> Work Top :Made of finely polished (18-Inch) thick Black Granite Top with Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. <b>Material Of Construction:</b> Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. <b>Under Bench Module :</b> Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are balted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L (As per layout) Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construction :</b> MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating. <b>Knee space area :</b> Openable back cover panel. It must be adjustable + 300 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. <b>Sink &amp; Tap :</b> Polypropylene sink with outlet Nipple and three way swan neck top will be provided. <b>Reagent Rack :</b> Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. <b>Powder Coating :</b> Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm</p>



img176




2 Way Outlet Without Swan Neck

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB -108		8 NOS	<p>2 Way Outlet Without Swan Neck</p> <p>Product Details:</p> <p>Knob Polypropylene</p> <p>Powder Coating Epoxy Fusion Bond In Grey Colour</p> <p>Test 3 Brusting at 500 PSI</p> <p>Inlet Connection 1/2" B.S.P</p> <p>Test 1 Pneumatic at 250 PSI</p> <p>Test 2 Hydraulic at 30 PSI</p>




*[Handwritten signatures and initials in blue ink]*

Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	
1	PHYSICAL (PG), LAB -10B		10 nos	<p>Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets horizontal shelf will be provided. The glo power coate handles. SIZE39"X24"X18"</p>

*[Handwritten signatures and initials in blue ink]*

img180

FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (G)LAB-108		01 NOS	Faculty table RFH D/T/106 Office Table New model with three drawer box on one side and one cupboard on other side. Framed of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Top made of 18mm prelaminated board. Front Covered with steel sheet table size 1500x750x900mm
2	PHYSICAL (G)LAB-108		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (caster wheel dia. 5.0cm) The pedestal is 60.0cm. pitch centre dia. (70.0 cm with castors
3	PHYSICAL (G)LAB-108		03 nos	<b>Visitor Chair (faculty )</b> <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape





img183

DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB -108		178-SQFT	Storage door , under the concrete slab : door made in as per actual size at site , door made in 18 gauge, with lock provision sheet shall be 18 SWG, manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating
2	PHYSICAL (PG), LAB -108		197-SQFT	SHELF UNDER THE CUPBOARD fit with I shape angle shelf 18 gauge duly powder coated 55 55 micron, manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating


img186

**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB-108		01 NOS	Lab attended table RF-10/T/108 Table New model made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel. All drawer lockable with single key. Top made of 18mm pre laminated board
2	PHYSICAL (PG), LAB-108		01 NOS	<b>VISITOR CHAIR</b> Size: 51cm W x 60cm D x 82cm H, Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m <sup>3</sup> and hardness = 20 +/- 2). Size of back 42cm W x 27cm H, seat size : 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG MES RW tube and a welded leg tube made of dia 2.54cm x 18 BG MS ERW tube to form the complete assembly which is black powder coated, or near



**LAB STOOL**

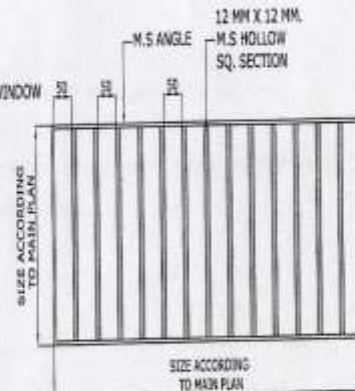
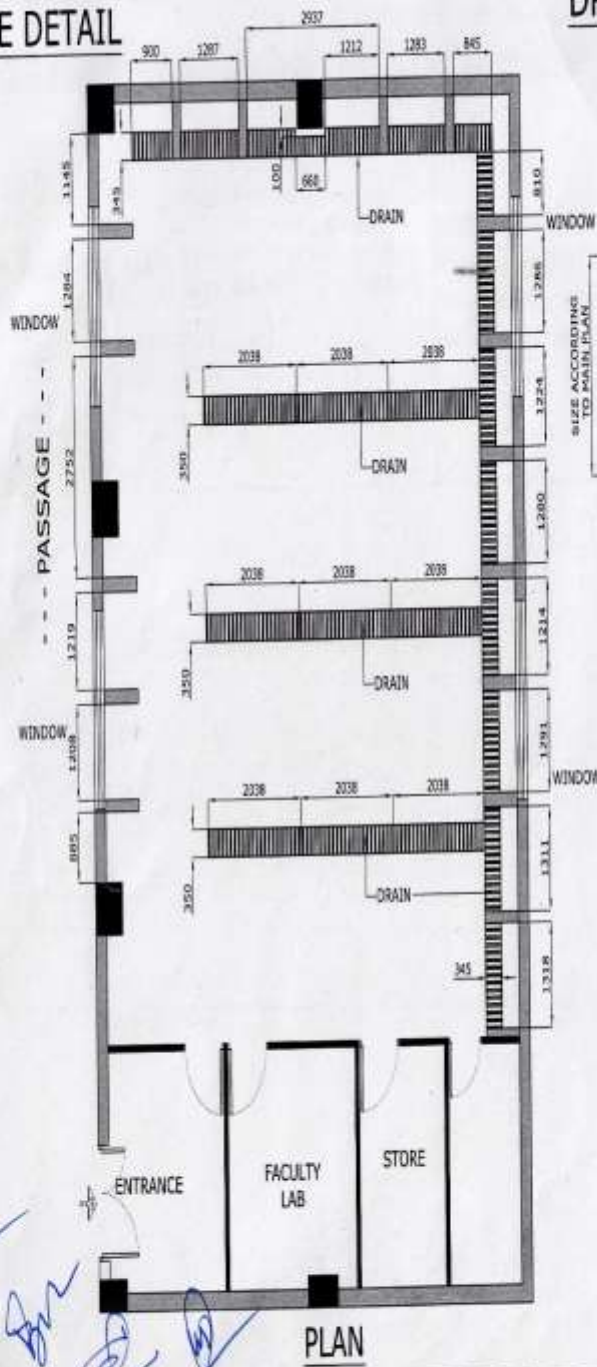
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB -108		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 21"

*[Handwritten signatures in blue ink]*

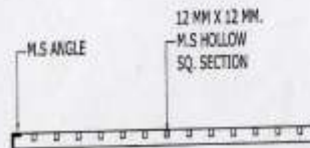
# RAINAGE DETAIL

**DRAINAGE = 116 R.FT**

REMARKS



PLAN



SECTION

**TYPICAL DRAIN DETAIL**

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT :-  
**N.I.T JALANDHAR**

Revised	1	
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TITLE:-  
**PHYSICAL ( PG )  
( FIRST FLOOR )  
LAB NO :- 108**

**DRAIN OPENING COVERS -(Running Feet)**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB - 108	as per drawing	116 rft	<p><b>DRAIN COVER</b> Providing and fixing MS angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shpe 14 gague and iron bar 12x12mm sq 16 gague</p>

Handwritten signature and initials in blue ink, consisting of several stylized characters and a circular mark.

img194



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

METAL OVERHEAD CABINET HT.600 MM

METAL OVERHEAD CABINET HT.600 MM

SHUTTER HT.883

SHUTTER HT.690

EXISTING SINK

SHUTTER HT.656

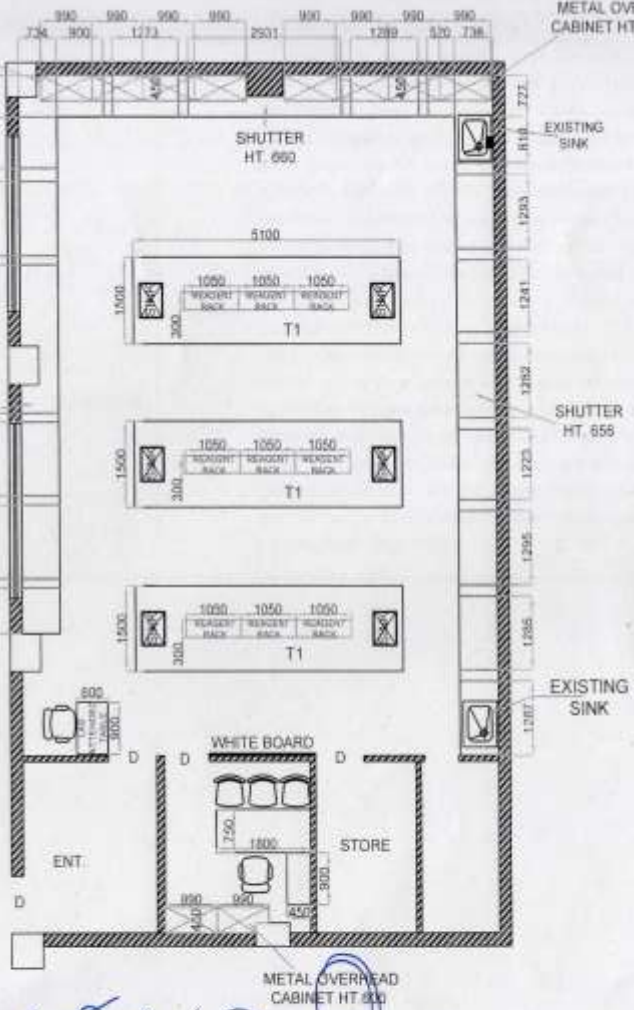
EXISTING SINK

S.NO.	DESCRIPTION	SIZE	QTY
1.	T1	5100 X 1500 X 900	3
2.	OVERHEAD CABINET	990 X 450 X 600	10
3.	LAB ATTENDED TABLE	600 X 900 X 750	1
4.	FACULTY TABLE WITH SIDE EXTENSION	1800 X 750 X 750 450 X 900 X 750	1
5.	WHITE BOARD	-----	1
6.	REAGENT RACK	1050 X 300 X 900	1

SHUTTER = 177 SQ.FT

SHELF = 196 SQ.FT

DRAIN RUNNING FEET 116




PROJECT - N.I.T JALANDHAR

Revised:	1	2	3	4	5	6


TITLE- LAB-208  
INORGANIC (PG)  
SECOND FLOOR  
LAB-208

(T1)LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208	 Chemistry Lab	03 NOS	<p><b>T1 CENTER WORKING TABLE : Wrok Top</b> :Made of finely polished (18-Inch) thick Black Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the med</p> <p><b>Construction:</b> Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make</p> <p><b>Module</b> :Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich sheet filled in shutter gaps is not allowed. The sound deadning plastic bumpers to be used to noise while closing the shutter. The entire module is made up of GI panels and are bolted for resistance. The shutters are mounted to the modules by hinges which are openable to 95 de return. Lockable roller bearing must used so that the drawer will not fall. The telescopic dra should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key ar ring should be plastic &amp; not metal.Length : 450mm / 600mm / 750mm / 900mm L (As per lay D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construct</b> used for main frame structure and bottom support. CO2 welded &amp; finished with highly chem powder coating <b>Knee space area</b> :Openable back cover panel. It must be adjustable + 100 n and Sitting area knee space need to be 600 or 750 mm. <b>Sink &amp; Tap</b> :Polypropylene sink with three way swan neck tap will be provided <b>Reagent Rack</b> :Three tier Reagent Rack will be m Sheet and completely finished with epoxy powder coating. Tap &amp; Bottom rack 300 mm. clear 380mm. Overall height:900 mm <b>Powder Coating</b> : Complete module &amp; frame work are proces pretreatment and finished with highly corrosion resistant epoxy based powder coating With of table 5100x1500x900mm</p>




2 Way Outlet Without Swan Neck

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		8 NOS	2 Way Outlet Without Swan Neck Product Details: Knob Polypropylene Powder Coating Epoxy Fusion Band In Grey Colour Test 3 Brusting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI

*[Handwritten signatures and initials]*




Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		10 nos	<p>Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy horizontal shelf will be provided. The glass shutters will be provided with lockab power coate handles.SIZE39"X24"X18" LXHXD.</p>

*Handwritten signatures and initials in blue ink.*

img204

**FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Inorganic -(PG), LAB -208		01 NOS	<b>Faculty table RFH D/T/106</b> Office Table New model with three drawers and one cupboard on other side. Framed made of 1" steel square pipe. Structure made of 1"x2" section pipe. Top made of 18mm pre-laminated board, Front Cover sheet table size 1500x750x900mm
2	Inorganic -(PG), LAB -208		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam all around. The back foam is designed with contoured lumbar support for extra comfort. Available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with a density of 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. <b>ARMREST ASSEMBLY:</b> The armrest tops are injection moulded from black Polypropylene. <b>CENTRE PIVOT MECHANISM:</b> The chair is of revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment is available. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment range of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel dia. 5.0cm) The pedestal is 60.0cm. pitch centre dia. (70.0 cm with castors)
3	Inorganic -(PG), LAB -208		03 nos	<b>Visitor Chair (faculty ) SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam has a density of 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. <b>ARMREST ASSEMBLY:</b> The armrest tops are injection moulded from black Polypropylene. frame made in cantilever shape

*Handwritten signatures and initials in blue ink.*



img207

**DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT**


SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		177-SQFT	Storage door , under the concrete slab : door made in as per actual size at site gauge, with lock provision sheet shall be 18 SWG..manufactured from cold rolled M (Sheet) with Antirust treatment and shall be finished with powder coating
2	Inorganic -PG, LAB-208		196-SQFT	SHELF UNDER THE CUPBOARD fit with l shape angle shelf 18 gauge duly powder .manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and with powder coating

img209

**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	INORGANIC-(PG) LAB-208		01 NOS	Lab attended table RFHD/T/108 Table New model made of 1" steel square pipe .Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel All drawer lockable with single key. Top made of 18mm pre laminated board
2	INORGANIC-(PG) LAB-208		01 NOS	VISITOR CHAIR Size: 51cm W x 60cm D x 82cm H, Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m3 and hardness = 20 +/- 2) . Size of back 42cm W x 27cm H, seat size : 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG MES RW tube and a welded leg tube made of dia 2.54cm x 18 BG MS ERW tube to form the complete assembly which is black powder coated, or near

*(Handwritten signatures)*

LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 21"

*[Handwritten signatures and initials in blue ink]*

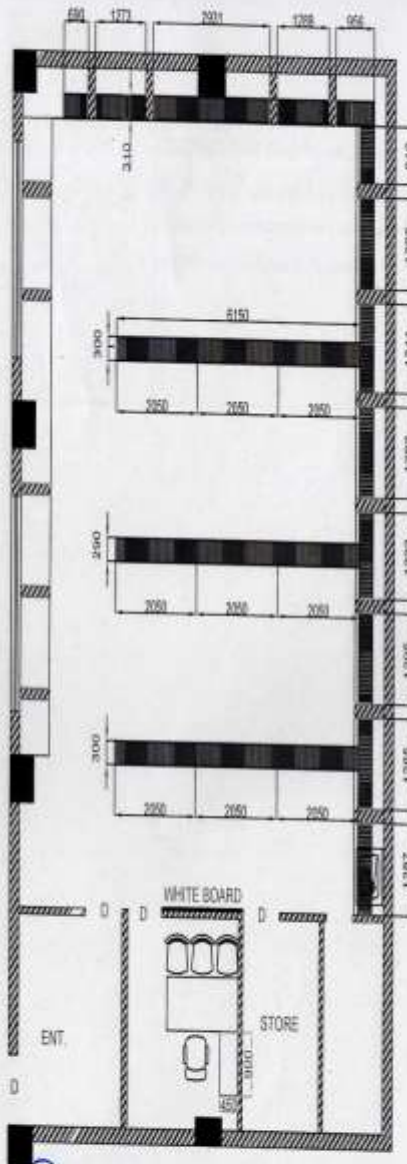


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REMARKS

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DRAIN RUNNING FEET 116



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT -  
N.I.T. JALANDHAR

Revised:

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TITLE:- DRAIN LAYOUT

INORGANIC (PG)  
SECOND FLOOR

LAB 208

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

**DRAIN OPENING COVERS -(Running Feet)**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208	as per drawing	116 rft	<p><b>DRAIN COVER</b> :Providing and fixing M.S angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shps 14 gague and iron bar 12x12mm sq 16 gague</p>

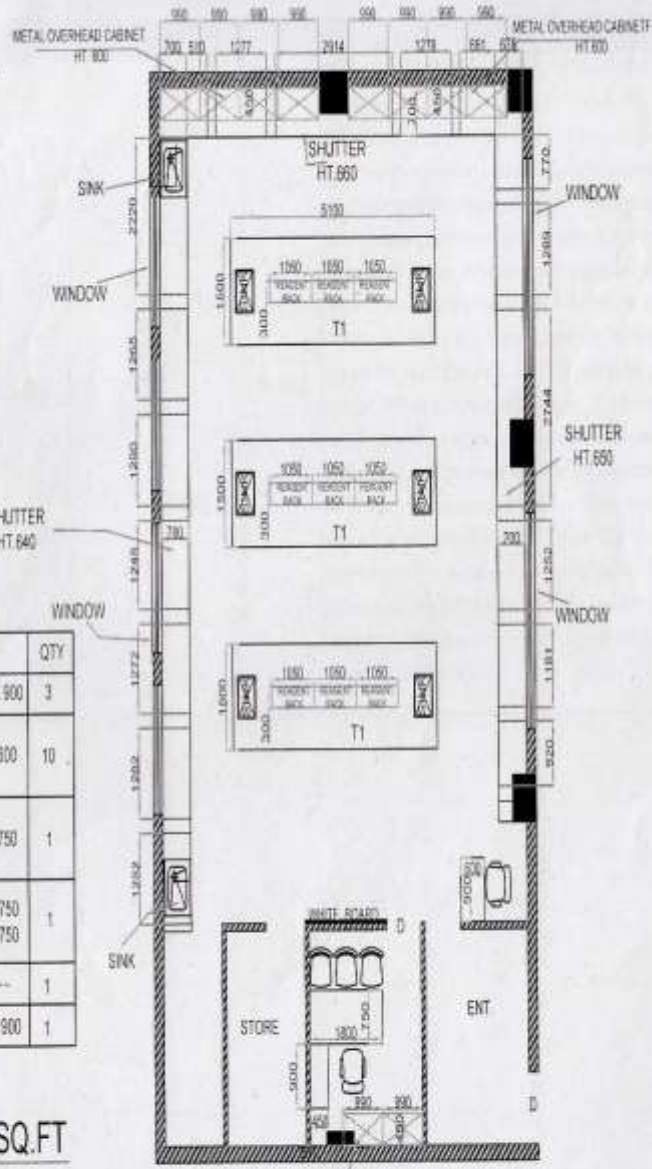
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REMARKS

Annexure -VI

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



S.NO.	DESCRIPTION	SIZE	QTY
1.	T1	5100 X 1500 X 900	3
2.	OVERHEAD CABINET	990 X 450 X 600	10
3.	LAB ATTENDED TABLE	660 X 900 X 750	1
4.	FACULTY TABLE WITH SIDE EXTENSION	1900 X 750 X 750 450 X 900 X 750	1
5.	WHITE BOARD	-----	1
6.	REAGENT RACK	1050 X 300 X 900	1

SHUTTER = 174 SQ.FT  
 SHELF = 186 SQ.FT  
 DRAIN RUNNING FEET 116

*Handwritten signature and initials in blue ink.*

CLIENT SIGNATURE

VENDOR'S SIGNATURE


PROJECT -  
 N.I.T JALANDHAR

Revised:	1	
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TITLE - *LAB-102*  
 ORGANIC-1 (PG)  
 FIRST FLOOR  
 LAB-102

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

(T1)LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), Lab-102	 <p>Chemistry Lab</p>	03 NOS	<p><b>T1 CENTER WORKING TABLE :</b> <b>Wrok Top</b> :Made of finely polished (38+mm) thick Black Granite Top with Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. <b>Material Of Construction:</b> Completely made of 0.8 to 1 mm Galvanized Iron (GI) sheets of TATA make only. <b>Under Bench Module :</b> Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadning plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L. (As per layout), Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construction :</b> MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating <b>Knee space area :</b> Openable back cover panel. It must be adjustable + 100 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. <b>Sink &amp; Tap</b> : Polypropylene sink with outlet Nipple and three way swan neck tap will be provided <b>Reagent Rack :</b> Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. <b>Powder Coating :</b> Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm</p>




2 Way Outlet Without Swan Neck

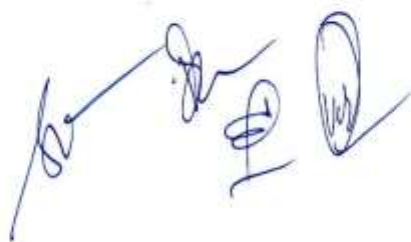
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (PG), Lab-102		8 NOS	<p>2 Way Outlet Without Swan Neck</p> <p>Product Details:</p> <p>Knob Polypropylene</p> <p>Powder Coating Epoxy Fusion Bond In Grey Colour</p> <p>Test 3 Bursting at 500 PSI</p> <p>Inlet Connection 1/2" B.S.P</p> <p>Test 1 Pneumatic at 250 PSI</p> <p>Test 2 Hydraulic at 30 PSI</p>

*[Handwritten signature]*




img224

### Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (PG), Lab-102		10 nos	<p>Over head Storage Cupboards                      20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles. SIZE 39"X24"X18" LXHXD</p>



img226

FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Organic -1(P6), LAB -102		01 NOS	Faculty table RFH D/T/106 Office Table New model with three drawer box on one side and one cupboard on other side. Frame made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Top made of 18mm prelaminated board. Front Covered with steel sheet table size 1500x750x900mm
2	Organic -1(P6), LAB -102		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (castor wheel dia. 5.0cm) The pedestal is 60.0cm. pitch centre dia. (70.0 cm with castors
3	Organic -1(P6), LAB -102		03 nos	<b>Visitor Chair (faculty )</b> <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape.







DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (PG), Lab-102		174-SQFT	Storage door , under the concrete slab : door made in as per actual size at site , door made in 18 gauge, with lock provision sheet shall be 18 SWG, manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating
2	Organic1 (PG), Lab-102		186-SQFT	SHELF UNDER THE CUPBOARD fit with I shape angle shelf 18 gauge duly powder coated 55 55 micron, manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating

img230




**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	ORGANIC-1(P6) LAB-102		01 NOS	Lab attended table RFHD/T/108 Table New model made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel. All drawer lockable with single key. Top made of 18mm pre laminated board
2	ORGANIC-1(P6) LAB-102		01 NOS	VISITOR CHAIR Size: 51cm W x 60cm D x 82cm H. Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m <sup>3</sup> and hardness = 20 +/- 2). Size of back 42cm W x 27cm H, seat size : 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG MES RW tube and a welded leg tube made of dia 2.54cm x 18 BG MS ERW tube to form the complete assembly which is black powder coated, or near

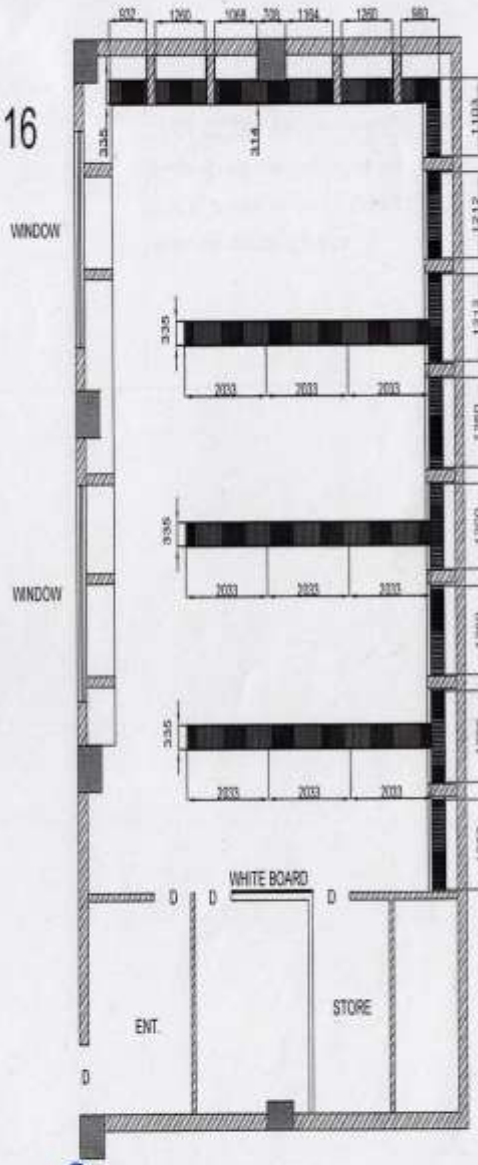
*Handwritten signatures in blue ink.*

LAB STOOL

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (PG), Lab-102		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Steel ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 22"

*[Handwritten signatures and initials in blue ink]*

DRAIN RUNNING FEET = 116



*Handwritten signatures and initials in blue ink.*

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT - N.I.T JALANDHAR

Revised:

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TITLE- DRAIN LAYOUT  
 ORGANIC 1 (PG)  
 FIRST FLOOR  
 LAB 102



DRAIN OPENING COVERS -(Running Feet)

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (PG), Lab-102	as per drawing	116 rft	<p>DRAIN COVER : Providing and fixing MS angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shpe 14 gague and iron bar 12x12mm sq 16 gague.</p>

Handwritten signatures and initials in blue ink, including a large signature on the left and several smaller initials or marks on the right.

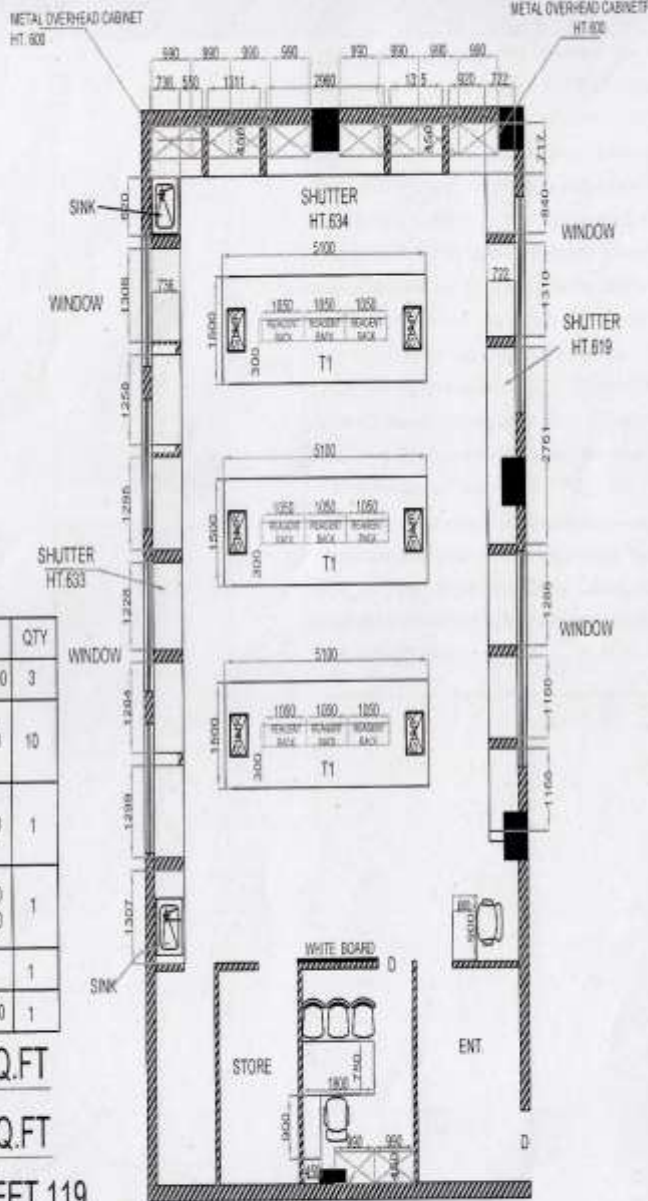
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REMARKS

Annexure - VII

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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S.NO.	DESCRIPTION	SIZE	QTY
1.	T1	5100 X 1500 X 900	3
2.	OVERHEAD CABINET	990 X 450 X 600	10
3.	LAB ATTENDED TABLE	600 X 900 X 750	1
4.	FACULTY TABLE WITH SIDE EXTENSION	1800 X 750 X 750 450 X 900 X 750	1
5.	WHITE BOARD		1
6.	REAGENT RACK	1050 X 300 X 900	1

SHUTTER = 172 SQ.FT

SHELF = 210 SQ.FT

DRAIN RUNNING FEET 119

*[Handwritten signature]*

CLIENT SIGNATURE

VENDOR'S SIGNATURE


PROJECT -  
N.I.T JALANDHAR

Revised	1	2	3	4	5	6

TITLE- LAB 02  
ACL LAB  
GROUND FLOOR  
LAB 02

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

(T1)LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory , LAB -02	 Chemistry Lab	03 NOS	<p><b>TI CENTER WORKING TABLE :</b> Work Top :Made of finely polished (18-Inn) thick Black Granite Top with Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the modules.<b>Material Of Construction:</b> Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. , <b>Under Bench Module :</b> Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound absorbing plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal.Length : 450mm / 600mm / 750mm / 900mm L (As per layout),Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height <b>Frame Construction :</b> MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating <b>Knee space area :</b> Openable back cover panel. It must be adjustable + 100 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. <b>Sink &amp; Tap :</b> Polypropylene sink with outlet Nipple and three way swan neck tap will be provided <b>Reagent Rack :</b> Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Tap &amp; Bottom rack 300 mm clear space and outer 380mm. Overall height-900 mm <b>Powder Coating :</b> Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm</p>




img242

2 Way Outlet Without Swan Neck

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory , LAB -02		8 NOS	2 Way Outlet Without Swan Neck Product Details: Knob Polypropylene Powder Coating Epoxy Fusion Bond In Grey Colour Test 3 Bursting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI

*[Handwritten signatures and initials]*

Over head Storage Cupboards




SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory LAB -02		10 nos	<p>Over head Storage Cupboards                      20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power caste handles.SIZE39"X24"X18" LXHxD</p>

Handwritten signatures and initials in blue ink.

img246



**FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory, LAB -02		01 NOS	Faculty table RFH D/T/106 Office Table New model with three drawer box on one side and onecupboard on other side.Framemade of 1" steel square pipe.Structure under the top made of1"x2" section pipe.Top made of18mm prelaminated board.FrontCovered with steel sheet table size 1500x750x900mm
2	Analysis Chemical Laboratory, LAB -02		01 NOS	<b>Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density :45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel casters. (caster wheel dia. 5.0cm) The pedestal is 60.0cm. pitchcentre dia. (70.0 cm with castors
3	Analysis Chemical Laboratory, LAB -02		03 nos	<b>Visitor Chair (faculty )</b> <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density :45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape



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**DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory , LAB -02		172-SQFT	Storage door , under the concrete slab : door made in as per actual size at site gauge, with lock provision sheet shall be 18 SWG..manufactured from cold rolled M Sheet) with Antirust treatment and shall be finished with powder coating
2	Analysis Chemical Laboratory , LAB -02		210-SQFT	SHELF UNDER THE CUPBOARD fit with l shape angle shelf 18 gauge duly powder ,manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and with powder coating




**LAB ATTENDED: TABLE & CHAIR**

SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory, LAB 02		01 NOS	Lab attended table RFHD/T/108 Table New model made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Three drawer box on telescopic channel. All drawer lockable with single key. Top made of 18mm pre laminated board
2	Analysis Chemical Laboratory, LAB 02		01 NOS	VISITOR CHAIR Size: 51cm W x 60cm D x 82cm H, Seat / back are made up of 1.0cm thick hot pressed water resistant, commercial plywood, upholstered with PU foam and fabric (PU foam is moulded with density = 45 +/- kg/m <sup>3</sup> and hardness = 20 +/- 2). Size of back 42cm W x 27cm H, seat size: 42cm W x 42cm D. Understructure assembly is a mainframe made of dia 2.54cm x 14 BG MES RW tube and a welded leg tube made of dia 2.54cm x 18 BG MS ERW tube to form the complete assembly which is black powder coated. or near

*(Handwritten signatures)*

LAB STOOL

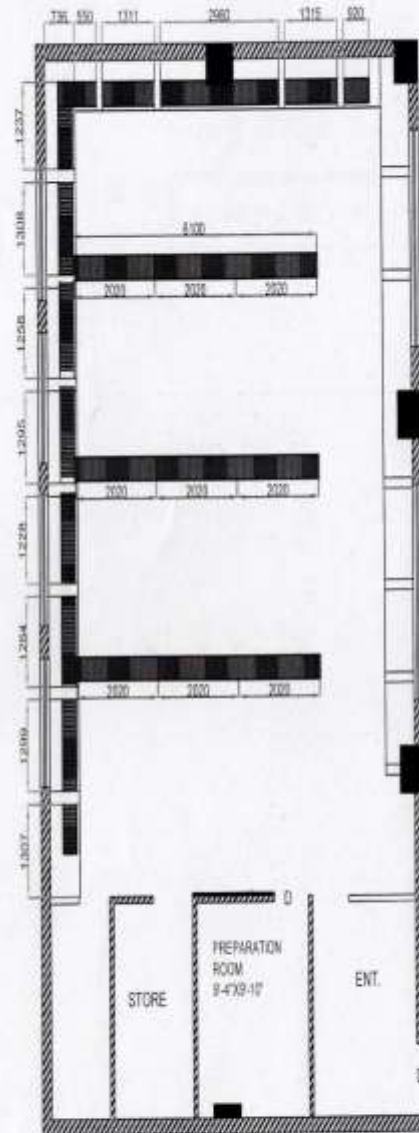
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory , LAB -02		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 21"

*[Handwritten signatures and initials in blue ink]*

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

REMARKS

DRAIN RUNNING FEET 119



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

CLIENT SIGNATURE

VENDOR'S SIGNATURE

*[Handwritten signatures in blue ink]*

PROJECT - N.I.T JALANDHAR

Revised:

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TITLE- DRAIN LAYOUT

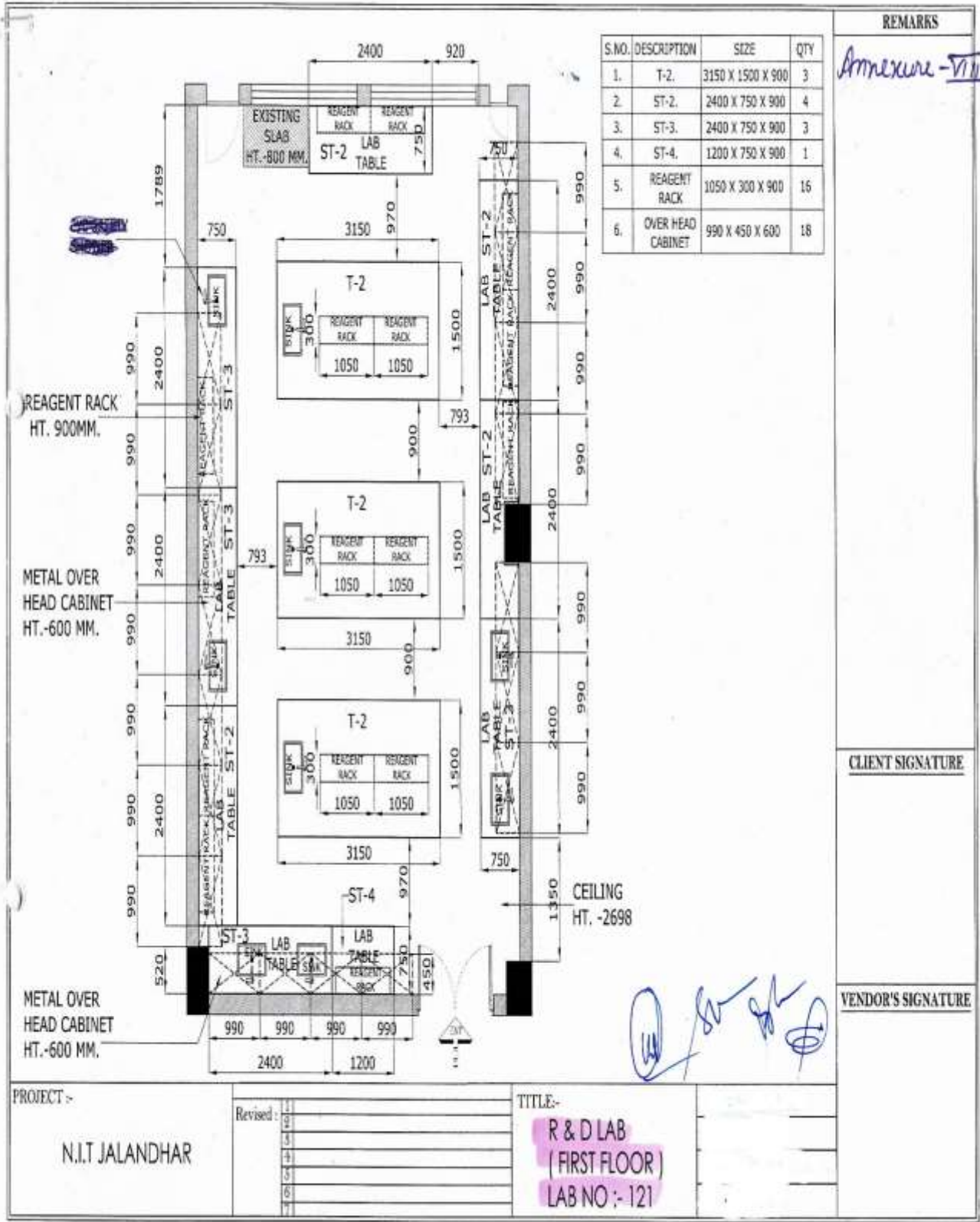
ACL LAB  
GROUND FLOOR  
LAB 02


PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

**DRAIN OPENING COVERS -(Running Feet)**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory , LAB -02	as per drawing	119 rft	<p><b>DRAIN COVER</b> :Providing and fixing MS angle iron frame for drain opening covers including one coat of red oxide primer and two coat of anticorrosive paint complete in all respect. Angle L shpe 14 gague and iron bar 12x12mm sq 16 gague</p>

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T2- CENTER WORKING TABLE WITH Reagent racks:3150x1500x900mm				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R&D LAB , LAB NO 121		03 NOS	<p>T2- CENTER WORKING TABLE WITH Reagent racks Work Top :Made of finely polished (18+1mm) thick Black Granite Top with Chamfer moulding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. Material Of Construction: Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. Under Bench Module :Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are operable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L (As per layout), Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height</p> <p>Frame Construction :MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating Knee space area :Operable back cover panel. It must be adjustable + 100 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. Sink &amp; Top :Polypropylene sink with outlet Nipple and three way swan neck tap will be provided Reagent Rack :Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height-900 mm</p> <p>Powder Coating :Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table. 3150x1500x900mm</p>




img267



SIDE WORKING TABLE ST-2 SIZE 2400X750X900MM				
SNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		04 NOS	<p><b>SIDE WORKING TABLE ST-2 Under Bench Modules</b> Under bench Modules will be made of 20 SWG pre-coated Galvanised Iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm <math>\pm</math> 2 mm thick black Colour Granite with rounded edges, size 2400x750x900mm.</p>


*[Handwritten signatures and initials in blue ink]*

img269

SIDE WORKING TABLE (ST-3) 2400X750X900MM WITH SINK				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		3 NOS	<p><b>SIDE WORKING TABLE ST-3 Under Bench Modules</b> Under bench Modules will be made of 20 SWG precasted Galvanised iron Sheet (TATA Steel) - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges.</p> <p>Sink PP Sink with swan neck tap and waste pipe up to lower portion of the table will be provided. - quantity as per the diagram size 2400x750x900mm with ppsink</p>

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img271

SIDE WORKING TABLE (ST-4) 1200X750X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	RA D LAB , LAB NO 121			<p><b>SIDE WORKING TABLE ST-4 Under Bench Modules</b> Under bench Modules will be made of 20 SWG pre-coated Galvanized iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p><b>Knee hole Space</b> Knee hole space will be provided as per the diagram. <b>Granite Slab</b> Made of finely polished 18 mm <math>\pm</math> 2 mm thick black Colour Granite with rounded edges.</p> <p>size 1200x750x900mm</p>



img273

Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R&D lab, LAB no 121		16 NOS	Over head Storage Cupboards 20 Ssq. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles SIZE 39"X24"X18" LXHXD

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2 Way Outlet Without Swan Neck

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R&D LAB , LAB NO 121		9 NOS	2 Way Outlet Without Swan Neck Product Details: Knob Polypropylene Powder Coating Epoxy Fusion Bond In Grey Colour Test 3 Brusting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI


*[Handwritten signatures and initials in blue ink]*

**REAGENT RACKS- THREE TIER**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		16 NOS	<p><b>Reagent Rack</b>                      Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height 900 mm. length 1050 mm</p>

*[Handwritten signature]*

img279

LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 21"


*Handwritten signatures and initials in blue ink.*





T4- CENTER WORKING TABLE SIZE 6000X1800X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		01 NOS	<p>T4- CENTER WORKING TABLE SIZE Work Top :Made of finely polished (16-1mm) thick Black Granite Top with Chamfer madding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. Material Of Construction: Completely made of 0.8 to 1 mm Galvanized Iron (G.I) sheets of TATA make only. Under Bench Module :Completely made of GI sheets. The shutter &amp; drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadning plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are openable to 95 degree &amp; self closing on return. Lockable roller bearing must used so that the drawer will not fall. The telescopic drawer slides which should be very sturdy &amp; able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic &amp; not metal. Length : 450mm / 600mm / 750mm / 900mm L (As per layout). Depth : 570mm D, Height : 675 mm H Standing Height, Height : 525 mm H Sitting Height Frame Construction :MS square pipe is used for main frame structure and bottom support. CO2 welded &amp; finished with highly chemical resistant epoxy powder coating. Knee space area :Openable back cover panel. It must be adjustable + 100 mm. Instrumentation and Sitting area knee space need to be 600 or 750 mm. Sink &amp; Top :Polypropylene sink with outlet Nipple and three way swan neck tap will be provided. Reagent Rack :Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top &amp; Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating :Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table</p> <p>6000X1800x900mm</p>

img285

2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		3 NOS	2 Way Outlet Without Swan Neck Product Details: Knob Polypropylene Powder Coating Epoxy Fusion Bond In Grey Colour Test 3 Bursting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI


*Handwritten signature and initials in blue ink.*

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**SIDE WORKING TABLE ST-5 SIZE 2400X900X900MM**


SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		03 NOS	<p>SIDE WORKING TABLE ST-5 Under Bench Modules Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges, size 2400x900x900mm</p>

img289

SIDE WORKING TABLE (ST-6) 2400X900X900MM WITH SINK				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		4 NOS	<p>SIDE WORKING TABLE ST-6 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges.</p> <p>Sink PP Sink with swan neck top and waste pipe up to lower portion of the table will be provided. - quantity as per the diagram size 2400x900x900mm with ppsink</p>




img291

SIDE WORKING TABLE (ST-7) 1200X900X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		01 NOS	<p><b>SIDE WORKING TABLE ST-4 Under Bench Modules</b> Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges.</p> <p>size: 1200x900x900mm</p>

*[Handwritten signatures in blue ink]*


img294

REAGENT RACKS- THREE TIER				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		16 NOS	Reagent Rack Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. length 1050 mm.

*Handwritten signatures in blue ink, including a large signature and several smaller initials or marks.*

img296


Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS & MEDICAL, CHEMISTRY ,LABNO 320		11 NOS	<p>Over head Storage Cupboards                      20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles. SIZE 39"X24"X18" LXHXD</p>



img298

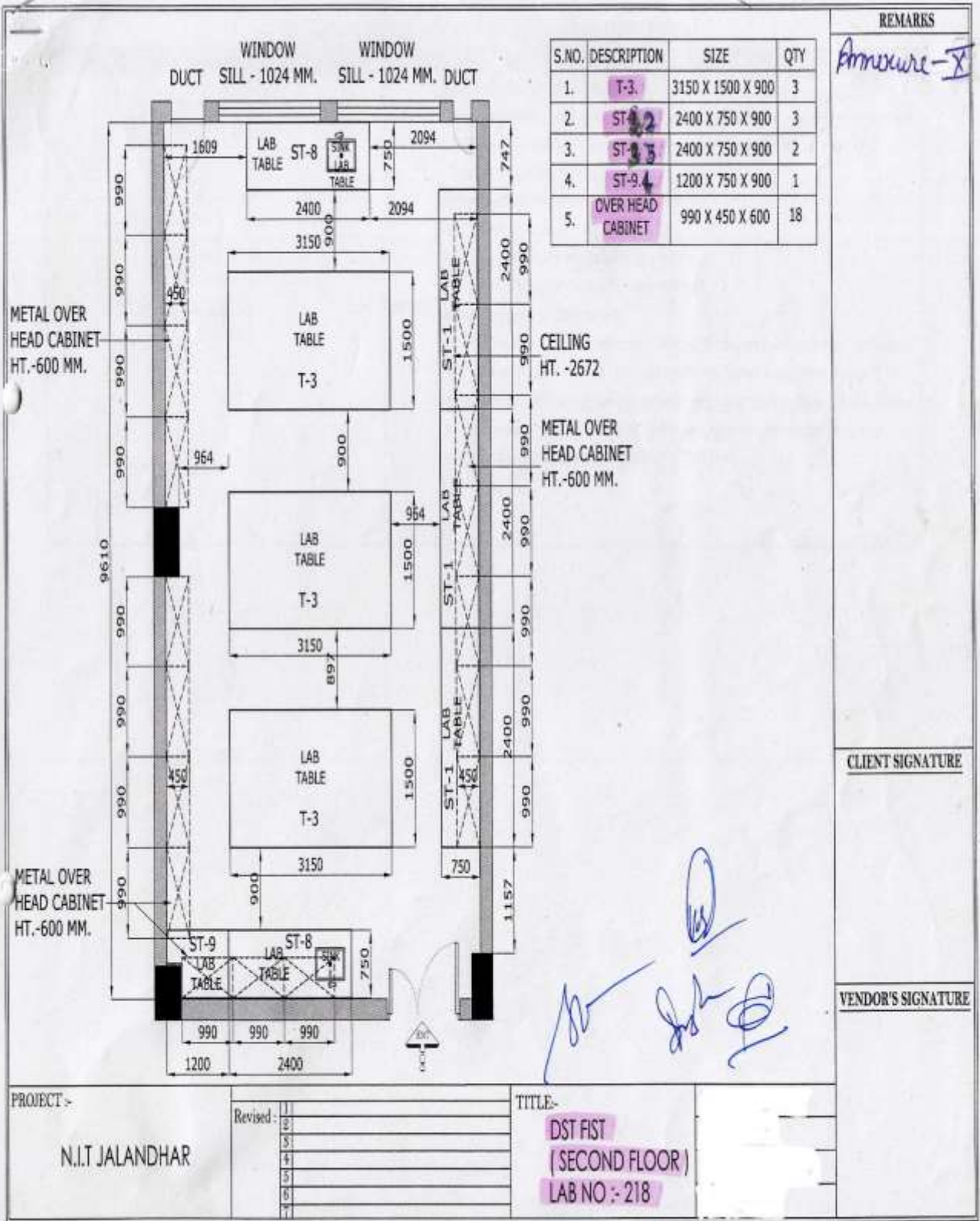
**LAB STOOL**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg, Thick Squire structure constructed with stainless steel 202 Grade of 18 Swg, thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

*Handwritten signatures and initials in blue ink.*


img300






img302

**CENTER WORKING TABLE - T3 , SIZE 3150X1500X900MM**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 218		03 NOS	<p><b>CENTER WORKING TABLE:</b> Material of Construction</p> <p>Under Bench Modules Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating.</p> <p>These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. technique. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges. Electrical points 15 / 5 Amps Electrical Points will be provided as per the drawing. <b>Powder Coating</b> : Complete module &amp; frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size 3150X1500X900MM</p>


*[Handwritten signatures and initials in blue ink]*

**SIDE WORKING TABLE (ST-3) 2400X750X900MM WITH SINK**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 215		2 NOS	<p>SIDE WORKING TABLE ST-3 Under Bench Modules Under bench Modules will be made pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy coating. These modules will be provided with top drawer and bottom cupboard with removable partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of polished 18 mm ± 2 mm thick black Colour Granite with rounded edges.</p> <p>Sink PP Sink with swan neck top and waste pipe up to lower portion of the table will be provided. - quantity as per the diagram size 2400x750x900mm with ppsink</p>

*[Handwritten signatures and initials in blue ink]*


**SIDE WORKING TABLE (ST-4) 1200X750X900MM**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 215		01 NOS	<p><b>SIDE WORKING TABLE ST-4 Under Bench Modules</b> Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges.</p> <p>size:1200X750X900MM</p>



img308

**SIDE WORKING TABLE (ST-2) 2400X750X900MM**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 21B		03 NOS	<p>SIDE WORKING TABLE ST-2 Under Bench Modules Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges. size 2400x750x900mm</p>




img310

2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 215		2 NOS	<p>2 Way Outlet Without Swan Neck</p> <p>Product Details:</p> <p>Knob Polypropylene</p> <p>Powder Coating Epoxy Fusion Bond In Grey Colour</p> <p>Test 3 Bursting at 500 PSI</p> <p>Inlet Connection 1/2" B.S.P</p> <p>Test 1 Pneumatic at 250 PSI</p> <p>Test 2 Hydraulic at 30 PSI</p>

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img312


Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST, FIST, LAB NO 218		18 NOS	Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles. SIZE 39"X24"X18" LXHXD



img314


Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST, FIST, LAB NO 218		18 NOS	<p>Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles SIZE39"X24"X18" LXHXD</p>



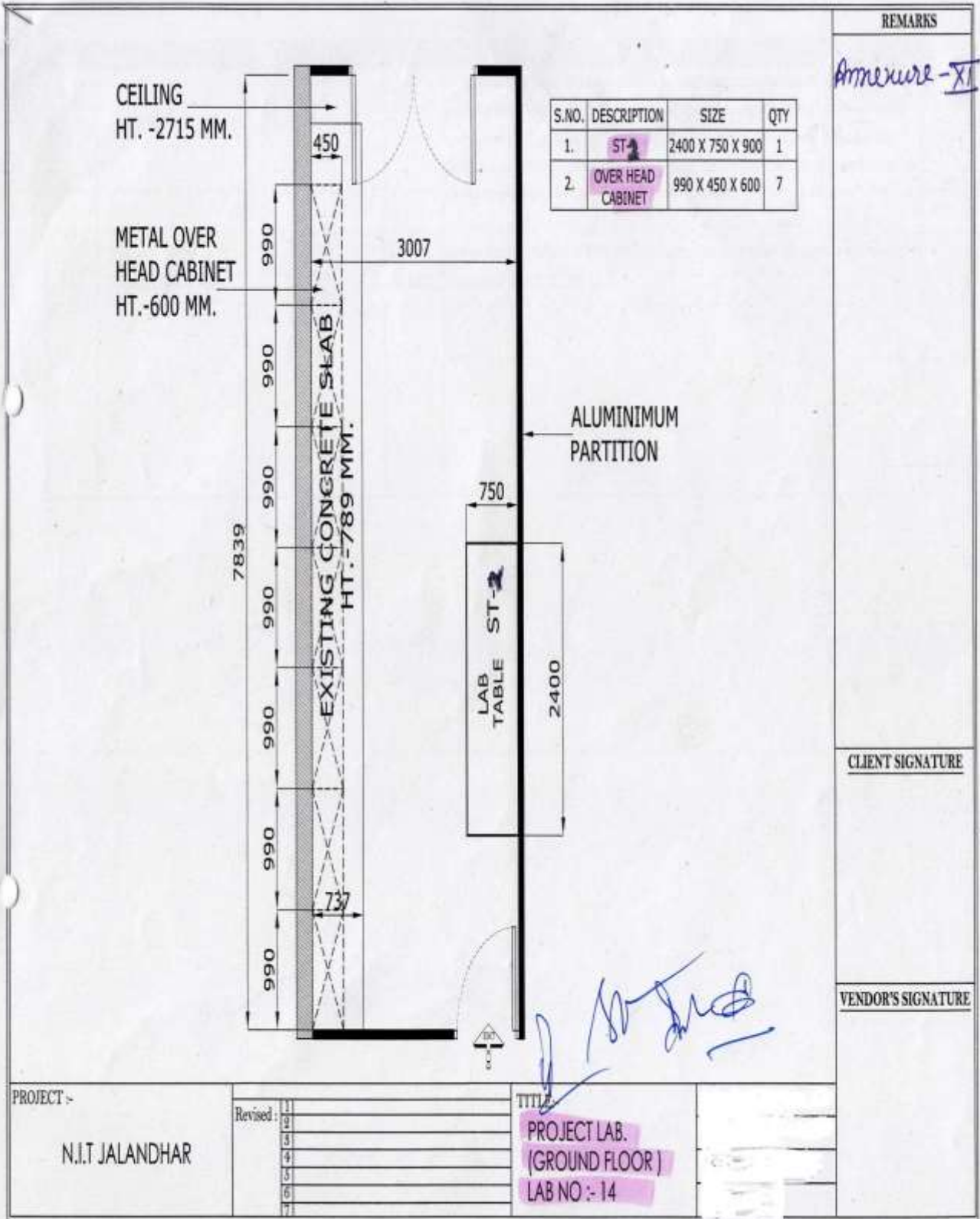
img316



LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 218		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

*[Handwritten signature]*

img318



Annexure - XI

CLIENT SIGNATURE

VENDOR'S SIGNATURE


*[Handwritten Signature]*

PROJECT :-  
N.I.T. JALANDHAR

Revised: 1  
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TITLE  
PROJECT LAB.  
(GROUND FLOOR)  
LAB NO :- 14


**SIDE WORKING TABLE (ST-2) 2400X750X900MM**

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PROJECT LAB -014		01 NOS	<p>SIDE WORKING TABLE ST-2 Under Bench Modules Under bench Modules will be made of 20 SWG pre-coated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top drawer and bottom cupboard with removable inner partition and with lockable doors and aesthetic powder coated handles. The under-bench modules will be arranged alternatively. The base of the modules will be provided with skirting panels for aesthetic look. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm ± 2 mm thick black Colour Granite with rounded edges. size 2400x750x900mm</p>


*[Handwritten signatures]*

img324

Over head Storage Cupboards

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PROJECT LAB, LAB NO 014		07 NOS	Over head Storage Cupboards 20 Swg, Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coated handles SIZE 39" X 24" X 18" LX-DXD



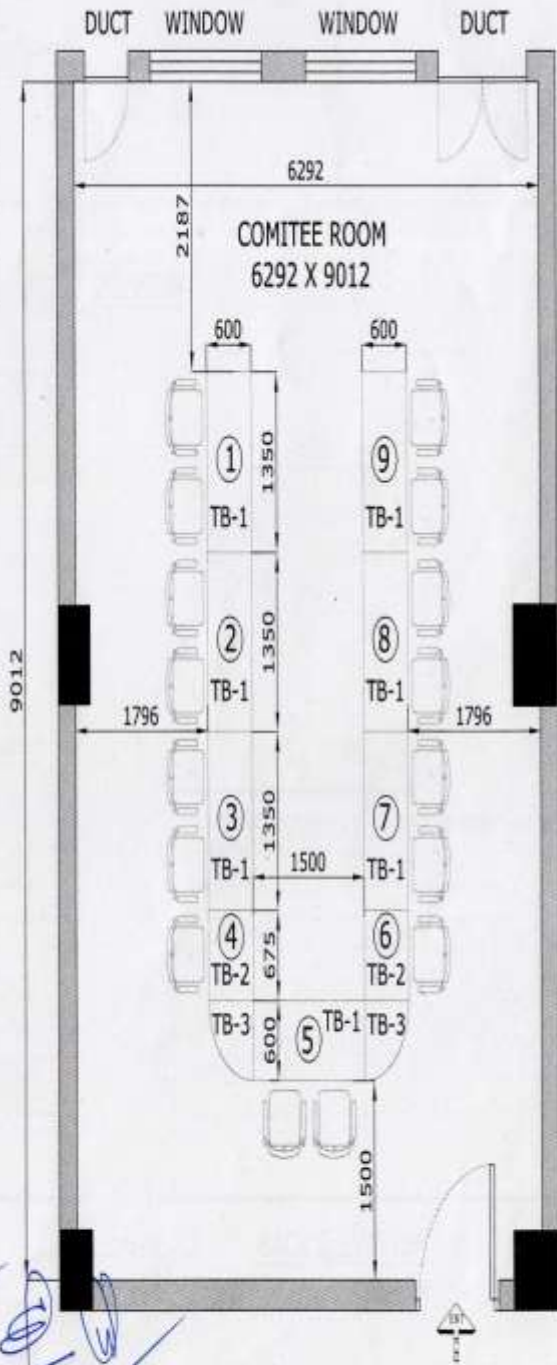
LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PROJECT LAB -014		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Square structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool ( 4 Legs) Size: Top: 12" Square, Bottom: 14.5" Square, Height: 21"






img328

S.NO.	DESCRIPTION	SIZE	QTY
1.	TB-1.	1350 X 600 X 750	7
2.	TB-2.	675 X 600 X 750	2
3.	TB-3.	600 X 600 X 750	2



REMARKS  
*Annexure - XII*

CLIENT SIGNATURE

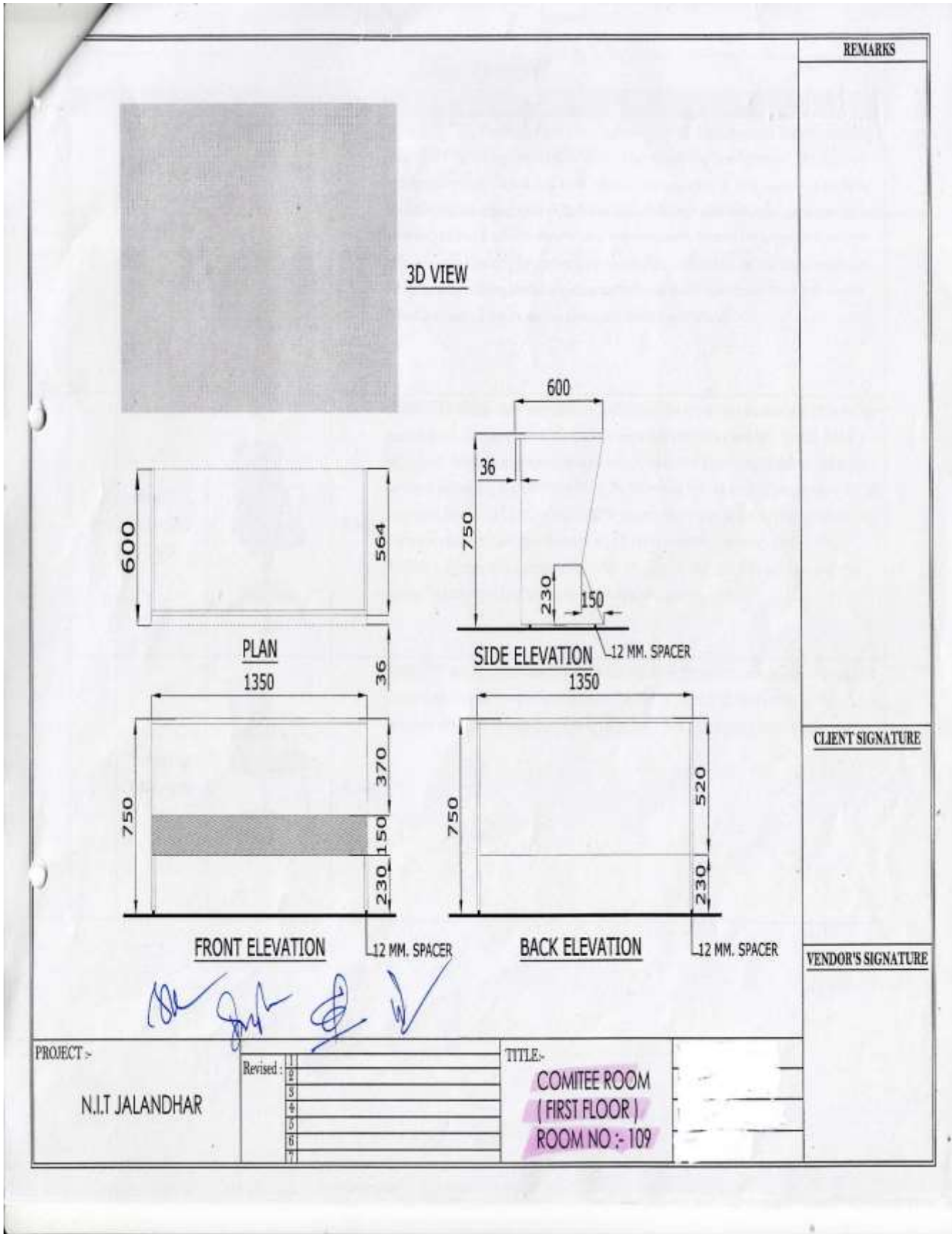
VENDOR'S SIGNATURE

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PROJECT :-  
N.I.T JALANDHAR

Revised	1
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TITLE:-  
COMITEE ROOM  
( FIRST FLOOR )  
ROOM NO :- 109



REMARKS


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CLIENT SIGNATURE

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VENDOR'S SIGNATURE


**COMMITTEE ROOM**

SRNO	ITEM	PICTURE	QTY	SPECIFICATION
1	COMMITTEE ROOM -U SHAPE TABLE		01 NOS	<b>COMMITTEE ROOMtable:</b> Fabricated at site Conference. System U shaped, open ended 16 seating in size of 1350x600x740 for two seats and 675x600x740 for one seat capacity with Table Top made of 25mm thick MDF with water-fall drop edge finished in pvc membrane using unique wrap around for better aesthetics & long lasting use. Understructure - Legs are made of 25mm thick standard black matt colour post formed panels connected with 18mm thick std black prelaminated modesty panels. Wire management - concealed wire management to take care both horizontally & vertically. For open configurations, wire channel is mounted on the inner side of modesty panel for horizontal wire carrying. Vertical wire management is through flexible wire manager. Std table top height is 740mm, pvc membrane tops are seamless surface, post formed legs for safe use
2	COMMITTEE ROOM-MAIN CHAIR		01 NOS	<b>COMMITTEE ROOM- Main Chair SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm. thick hot-pressed plywood. Upholstered with fabric upholstery covers and molded Polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area. <b>POLYURETHANE FOAM:</b> The Polyurethane foam is moulded with density -45 +/-2 at 25% compression. <b>CENTER TILT SYNCHRO MECHANISM</b> feature: 360 degree revolving type, Upright position locking, Tilt tension adjustment, Seat/back tilting ratio of 1:3 (6 degree seat tilt/18 degree back tilt) <b>PEDESTAL ASSEMBLY:</b> The pedestal is injection moulded in black 30% glass-filled Nylon and fitted with 5 nos. twin Nylon castors. The pedestal is 66.0cm. pitchcenter dia. (76.0 cm. with castors.)
3	COMMITTEE ROOM: visitor Chair		40 NOS	<b>COMMITTEE ROOM: visitor Chair SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and molded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort, 4 BG M.S.E.R.W. tube and black powder coated

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CENTER TABLE				
SRNO	ROOM NO	PICTURE	QTY	SPECIFICATION
1	COMITEE ROOM		01 NOS	CENTER TABLE : Frame made in 25x50mm section pipe stainless steel , top made in 36mm thick MDF edges cover with 2 mm thick hot glue PVC lipping table top size 1200x600mm

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SEMIMAR ROOM				
SANO	ITEM	PICTURE	QTY	SPECIFICATION
1	Seminar chairs		40 NOS	<b>Seminar chairs</b> Visitor chair with PU arm, low back ergonomically designed chair (solid steel frame with tough nylon mesh) with premium quality foam. PU arms. The seat back is molded plywood of 12mm thickness. The seat and back is fixed with nuts & bolts to the body and the seat is cushioned with polyurethane foam having density of 40 kg/m <sup>3</sup> . The sheet is upholstered with fine quality cloth.
2	CENTER TABLE SEMINAR ROOM		01 NOS	<b>CENTER TABLE :</b> Frame made in 25x50mm section pipe stainless steel , top made in 36mm thick MDF edges cover with 2 mm thick hot glue PVC liping table top size 1200x600mm

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H.O.D. ROOM FURNITURE				
SRNO	ITEM	PICTURE	QTY	SPECIFICATION
1	OFFICE ALMIRAH PLAIN, H.O.D. ROOM		3 Nos	<p><b>Steel Almirah</b> Size: 1980 (H) X 900 (W) X 450 (D) mm</p> <p>1. Internal Size of Almirah: 1850 (H) X 900 (W) X 450 (D) mm. Leg Size of Almirah: 150 (H) X 120 (W) X 450 (D) mm. 3. Rack with 5 Compartments of 4 no. of shelves. Distance between each shelf will be 360 mm. These 4 shelves should be hanging arrangement (adjustable).</p> <p>4. Standard lock and 2 sets of keys.</p> <p>5. The thickness of the Almirah sheet shall be 18 SWG. 6. The body of the Almirah shall be manufactured from cold rolled MS sheet (C. R. Sheet) with Antirust treatment and shall be finished with powder coating (color: Prince Gray). 20 gauge.</p>
2	Book Rack H.O.D. ROOM		2 nos	<p><b>Book Rack</b> (Three sides covered)</p> <p>Book Rack Size: 2430 (H) X 915 (W) X 457 (D) mm</p> <p>1. Rack with 5 Compartments of 6 nos. of shelves. Distance between each shelf will be 410 mm. These 6 shelves should be hanging arrangement (adjustable).</p> <p>2. Rack will be three sides covered &amp; Front side opened.</p> <p>3. Racks shall be manufactured from Slotted M.S angle 14 SWG. 4. Shelves shall be manufactured from 18 SWG thick sheet. 5. The rack shall be assembled with G I bolt, nuts and washers. 6. Slotted angle and M.S sheet shall be made of cold rolled with anti-rust treated and shall be finished With powder coating (color: Prince Gray). 7. H/D Rubber bushes shall be provided to the bottom of legs of slotted angle racks. 8. The quality of M.S sheet which is used for racks shall be free from any defects, Undulations, and old paints and surface corrosion, etc</p>
3	OFFICE TABLE H.O.D. ROOM		1 NOS	<p><b>OFFICE TABLE</b></p> <p>Providing and fixing in position executive table of size 1500mm(L) x 900mm(D) x 750mm (H), having 25mm thick post formed top of particle board having necessary provision for wire management, data/computer/telephone cabling including a 18mm thick modesty panel &amp; verticals as per salient technical features. Size may vary as per space available. Pedstal - with drawer unit having size 375mm x 750mm or as per the size of the table with 2 drawers + filing cabinet. 8. 17 Side rack - Top is made of 18mm with 2 drawers Side cabinet of size 900mm(L) x 675mm (H) x 400mm(D) (as per salient design and technical feature, specification) and a drawer Box with one drawer of 150mm and 450mm of one filing drawer complete. Keyboard: Providing and fixing post formed key board tray with telescopic slides (nylon roller slides) of size 600mm x 350 mm made out of 25 mm thick particle board with post formed decorative laminate on top and having balancing lamination on the unexposed face in work stations, executive table or side units in approved colour and texture as per salient technical features</p>

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4	MAIN CHAIRS H.O.D. ROOM		01 NOS	<b>Revolving Chair SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The chair is available in four models. <b>POLYURETHANE FOAM:</b> The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. <b>CENTRE PIVOT MECHANISM:</b> 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. <b>PNEUMATIC HEIGHT ADJUSTMENT:</b> The pneumatic height adjustment has an adjustment stroke of 9.0 cm. <b>PEDESTAL ASSEMBLY:</b> The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. (castor wheel dia. 5.0cm) The pedestal is 60.0cm. pitchcentre dia. 170.0 cm with castors
5	Visitor Chair H.O.D. ROOM		3NOS	<b>Visitor Chair SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC Lipping all around. The back foam is designed with contoured lumbar support for extra comfort. The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. <b>ARMRESTS:</b> The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape
6	SOFA 3 SEATER H.O.D. ROOM		01 NOS	<b>SOFA 3 SEATER HM-138</b> Size : 2055 Width mm x 920 Depth mm x 820 Height mm x 450 Seat Height mm. Seat foam shall be made of PU foam with density 32 +/- 2 kg /cu mtr having an additional top layer of PU Foam with density 28 +/- 2 kg/cu . Mtr , upholstered with fabric. The back shall be made of PU foam with density 28 +/- 2 kg /cu mtr having an additional top layer of super soft Foam with density 23 +/- 2 kg/cu . Mtr , upholstered with fabric. The understructure shall be made up of 1.2 +/- 0.1 cm thick hot pressed plywood. Dia 4 mm zigzag spring assembly shall be mounted in understructure for support and additional cushioning purpose. Leg assembly shall be in welded stainless steel tube and plate
7	SOFA 2 SEATER H.O.D. ROOM		01 NOS	<b>SOFA 2 SEATER HM-138</b> Size : 1460 Width mm x 920 Depth mm x 820 Height mm x 450 Seat Height mm. Seat foam shall be made of PU foam with density 32 +/- 2 kg /cu mtr having an additional top layer of PU Foam with density 28 +/- 2 kg/cu . Mtr , upholstered with fabric. The back shall be made of PU foam with density 28 +/- 2 kg /cu mtr having an additional top layer of super soft Foam with density 23 +/- 2 kg/cu . Mtr , upholstered with fabric. The understructure shall be made up of 1.2 +/- 0.1 cm thick hot pressed plywood. Dia 4 mm zigzag spring assembly shall be mounted in understructure for support and additional cushioning purpose. Leg assembly shall be in welded stainless steel tube and plate

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8	<p>CENTER TABLE H.O.D. ROOM</p>		01NOS	<p>CENTER TABLE : Frame made in 25x50mm section pipe stainless steel , top made in 36mm thick MDF edges cover with 2 mm thick hot glue PVC lipping table top size 1200x600mm</p>
9	<p>SIDE Table H.O.D. ROOM</p>		2NOS	<p>SIDE Table frame made in 25x50mm section pipe stainless steel , top made in 36mm thick MDF edges cover with 2 mm thick hot glue pvc lipping table top SIZE 550X550X510 MM</p>

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## SPECIFICATIONS OF FUME HOODS FOR CHEMISTRY LABS

S.No.	Items	Descriptions
1	<b>Basic System</b>	Fume Hoods for Chemistry Lab
2	<b>Overall Dimensions with base cabinet:</b> <b>Fume Hood dimensions:</b> <b>Base Cabinet dimensions:</b> <b>Inside Fume Hood working volume</b> <b>Bed size:</b>	1500 mm W X 1000 mm D X 2400 mm H 1500 mm W X 1000 mm D X 1600 mm H 1500 mm W X 640 mm D X 700 mm H 1220 mm W X 750 mm D X 1155 mm H 1220 mm W X 750 mm D
3	<b>Design Structure</b>	Aerodynamic and Floor mounted
4	<b>Airflow Type</b>	Auto Bypass Type
5	<b>Construction (Exterior)</b>	Powder coated (70 to 80 microns) durable, attractive Grey & Blue
6	<b>Construction (Interior)</b>	Chemical & Heat Resistant, Fire Retardant, Smooth Finish, Easily Cleanable
7	<b>Baffle arrangement</b>	Interstitial 3-point suction system (for light, normal & heavy fumes) with baffle to ensure smooth and immediate exhaust of fumes.
8	<b>Airfoil</b>	Aerodynamic Design, Horizontal airfoil mounted on the worktop
9	<b>Worktop</b>	Chemical resistant splash & spillage proof 'Jet black Granite' worktop.
10	<b>Sink, Water tap with drain arrangement</b>	Worktop should have 100 mm X 200 mm (approx.) sink for drainage with water tap on worktop.
11	<b>Sash (Shutter)</b>	Vertical rising counter-balanced sash, Toughened Float Glass sash (4-5 mm thick). Smooth and light sash operation. Clear openable height = 650-750 mm.
12	<b>Wet &amp; Dry Service fittings</b>	Remotely operated colour coded Needle Valves for fine control over utilities (as per DIN 12920 norms) <b>total 4 nos.</b> service valves with PU plumbing with 6mm internal dia, <b>withstands up to 15 kgf pressure</b> and brass fittings for gas connections. • 1L for Water above the sink • 1L for Nitrogen • 1L for Vacuum • 1L for CA
13	<b>Lighting</b>	Light with vapour-proof fitting for proper illumination.
14	<b>Electrical Utilities</b>	<b>Four nos (3R).</b> electrical sockets N/W' make (230 V, adaptable 6/16 A, 50 Hz), Three nos.'NorthWest' make MCBs with blower

		NO/NC switch (with built in starter) & light switch on front fascia. Cables & wires 'Fire Retardant' grade.
15	<b>Cable entering port</b>	For easy access of cables from fume hood to electrical sockets.
16	<b>Chemical Storage Base Cabinet</b>	Base cabinet should be ready to receive the fume hood at its top. It should have following features: <ul style="list-style-type: none"> <li>• Internal special chemical resistant material lining to the cabinet walls</li> <li>• 1-2 Exhaust ports connected to the fume hood exhaust system internally.</li> <li>• One removable horizontal partition to store chemicals.</li> <li>• Double skin hinged doors for Chemical resistance and hassle free operations in the corrosive lab atmosphere.</li> <li>• PP Trays for chemical storage</li> </ul> Overall Dimensions: 1500 mm (W) X 700 mm (D) X 700 mm (H)
17	<b>Apparatus Holding Grid</b>	There should be a grid to hold the apparatus. It should cover the entire length of the fume hood and should be built-in at fume hood backside.
18	<b>Level adjusting screws</b>	Made of SS Bolts to adjust the fume hood level by $\pm 10$ mm.
19	<b>Exhaust Port</b>	Unique exhaust port design ensures that the fumes will be exhausted smoothly without any turbulence at the exhaust port. Also it ensures low noise level.
20	<b>Noise Level</b>	< 70db at 1 meter from fume hood.

**CENTRIFUGAL BLOWER:**

A silent, high efficiency remote blower, consisting of continuous rating motor and chemical resistant impeller. It should satisfy international safe velocity norms.

S.No.	Items	Descriptions
1	<b>Basic System</b>	Centrifugal Blower of Fume Hood
2	<b>Construction</b>	Chemical & heat resistant MS/PP + FRP blower with aerodynamically balanced impeller, with drain plug.
3	Air Suction Capacity	800-1000 CFM or more confirming to international face velocity norms and as per safe fume hood airflow pattern.
4	Motor	0.75 -1.0 HP Motor, 3 Phase, direct drive, continuous rating.

**DUCTING:**

Should be chemical resistant, rigid & flexible ductwork from Fume hood to exhaust stack point with weather proof canopy. Total ducting with horizontal, vertical members, flanges, bends, bracketed supports and gooseneck exhaust stack. Duct dia. should be 250 mm.

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