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CORRIGENDUM

To address the queries of some the bidders about drawing and specification (Tender Ref. No. NITJ/PUR/CY/Mod-Fur/295/18 e-tender no. 24/2019) the clear scanned copies in JPG image file for drawings and specifications of modular furniture items are being uploaded on CPP portal. This is for the information of all the bidders.

Registrar

Annexure -I

ANALYSIS OF PRODUCTS															
SNO	ITEM	HOD ROOM	COMMITTEE ROOM	SEMINAR ROOM	1 UG LAB 2 - LAB 008	2 UG LAB 01 LAB 202	3 Organic (pg) LAB 102	4 INORGANIC- PG LAB 208	5 ANALYSIS CHEMICAL LAB LAB 02	6 PHYSICAL (PG) LAB -108	7 DST FEST LAB 218	8 RAD LAB LAB 121	9 NATURAL PRO MEDICAL CHE LAB - LAB 320	10 PROTECT LAB - LAB 014	TOTAL
1	OFFICE ALMIRAH PLAIN,	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	MAIN CHAIRS- HOD	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5	Visitor Chair 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	2	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 - U SHAPE TABLE	0	1	0	0	0	0	0	0	0	0	0	0	0	1
17	COMMITTEE ROOM- MAIN CHAIR	0	1	0	0	0	0	0	0	0	0	0	0	0	1

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18	COMMITTEE ROOM: w/alter Chair	0	40	0	0	0	0	0	0	0	0	0	0	0	40
19	T1 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 3150X1500X900MM	0	0	0	0	0	0	0	0	0	0	3	0	0	3
21	T3 CENTER WORKING TABLE 3150X1500X900MM	0	0	0	0	0	0	0	0	0	3	0	0	0	3
22	T4 CENTER WORKING TABLE SIZE 6000X1800X900MM	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 SAFETY SHOWER WITH EYE WASH	0	0	0	1	1	0	0	0	0	0	0	0	0	2

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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	18	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	186	196	210	197	0	0	0	0	1181
37	DRAIN OPENING COVER - RUNNING FEET	0	0	0	104	116	116	116	119	116	0	0	0	0	687
38	Fume Hood	0	0	0	0	0	0	0	0	0	0	01	01	0	02

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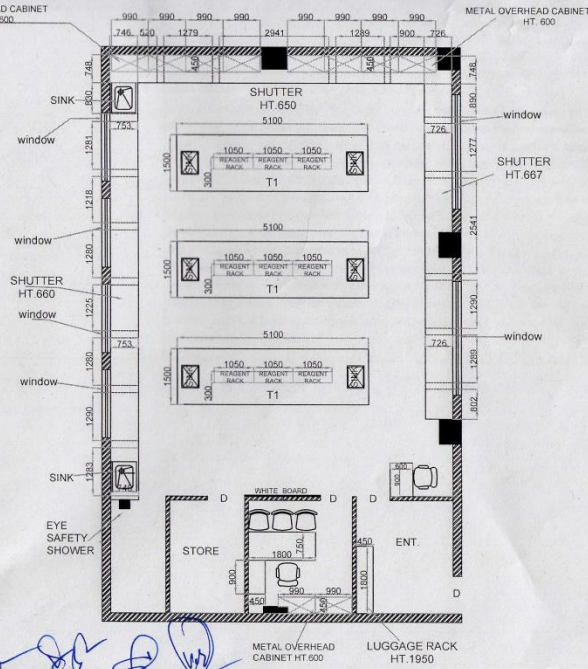
REMARKS

Annexure -II

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



CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT :-
N.I.T JALANDHAR

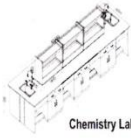
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TITLE:- Aug. 202
U.G- LAB
SECOND FLOOR

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(T1)LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SERNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202	 Chemistry Lab	03 NOS	T1 CENTER WORKING TABLE : Wrok Top : Made of finely polished (18-1mm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating : Complete module & frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 95 microns size of table 5100x1500x900mm

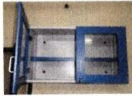
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GI Safety Shower With Eye Wash				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-1 , LAB NO 202		1 NOS	GI Safety Shower With Eye Wash Technical specification:Material of Construction: G.I. PipeInlet Connection: 1" B.S.P female thread,Outlet Connection: 1 1/2" B.S.P female thread,Colour: Black,Outer Surface: PowderCoated Pressure Test: At 2.0 Kg/Cm2in each Quantity.




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2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		7 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

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Over head Storage Cupboards				
SERNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		10 nos	<p>Over head Storage Cupboards</p> <p>20 Swg. Electro-Galvanised(6.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.SIZE39"X24"X18" LXHXD</p>



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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 cup board on other side. Framed made of 1" steel square pipe. Structure under the top made of 1"x2" section pipe. Top made of 18mm pre-laminated board. Front Covered with steel sheet table size 1500x750x900mm
2	UG-LAB -01, LAB NO -202		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: 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	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

for Mr. P. S. R.

LAB ATTENDED: TABLE & CHAIR				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	UG-LAB-1 , LAB NO 202		01 NOS	<p>Lab attended table RFHD/T/108</p> <p>Table New model made of 1" steel square pipe .Structure under the top made of 1"x2" section pipe.</p> <p>Three drawer box on telescopic channel .All drawer lockable with single key. Top made of 18mm pre laminated board</p>
2	UG-LAB-1 , LAB NO 202		01 NOS	<p>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</p>







Personal Belonging Rack				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-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 liping bottom 4" ms legs powder coated, rack as per drawing






LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202		05 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"

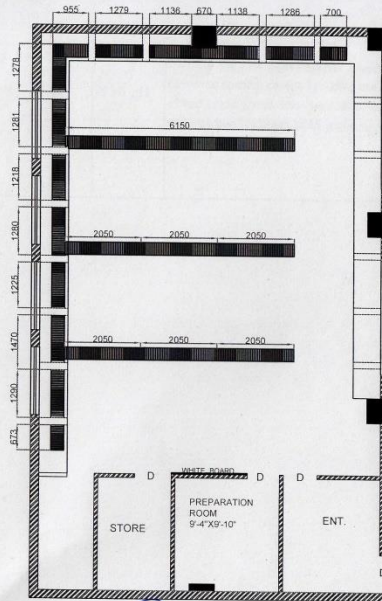
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REMARKS

DRAIN RUNNING FEET 116



CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT :-
N.I.T JALANDHAR

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TITLE:- DRAIN LAYOUT
U.G- LAB
SECOND FLOOR
LAB-202

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DRAIN OPENING COVERS -(Running Feet)

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-01, LAB-202	as per drawing	116 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



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REMARKS

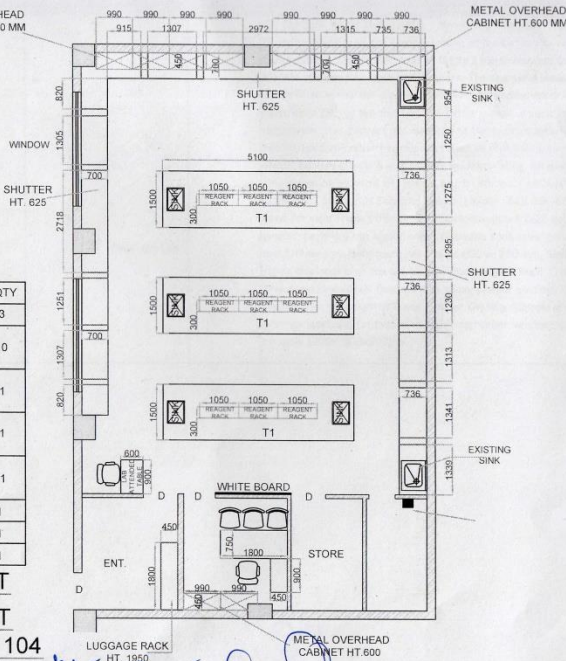
Annexure -TII

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



PROJECT - N.I.T JALANDHAR

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TITLE- LAB-08

U.G- LAB-2

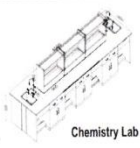
GROUND FLOOR

LAB-08


CLIENT SIGNATURE

VENDOR'S SIGNATURE


(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-2 , LAB -008	 Chemistry Lab	03 NOS	<p>T1 CENTER WORKING TABLE : Work Top : Made of finely polished (18+Imm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating : Complete module & 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>


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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. PipeInlet Connection: 1" B.S.P female thread,Outlet Connection: 1 1/2" B.S.P female thread.Colour: Black.Outer Surface: PowderCoated Pressure Test: At 2.0 Kg/Cm2in each Quantity.




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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 Brusting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI

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Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	UG-LAB-02, LAB-008		10 nos	<p>Over head Storage Cupboards</p> <p>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>



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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 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 -02, LAB NO -008		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	UG-LAB -02, LAB NO -008		03 nos	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: 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	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

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	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

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Personal Belonging Rack				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	U6-LAB-02, LAB-008		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

for Mr. [Signature] [Signature]

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"






REMARKS

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VENDOR'S SIGNATURE

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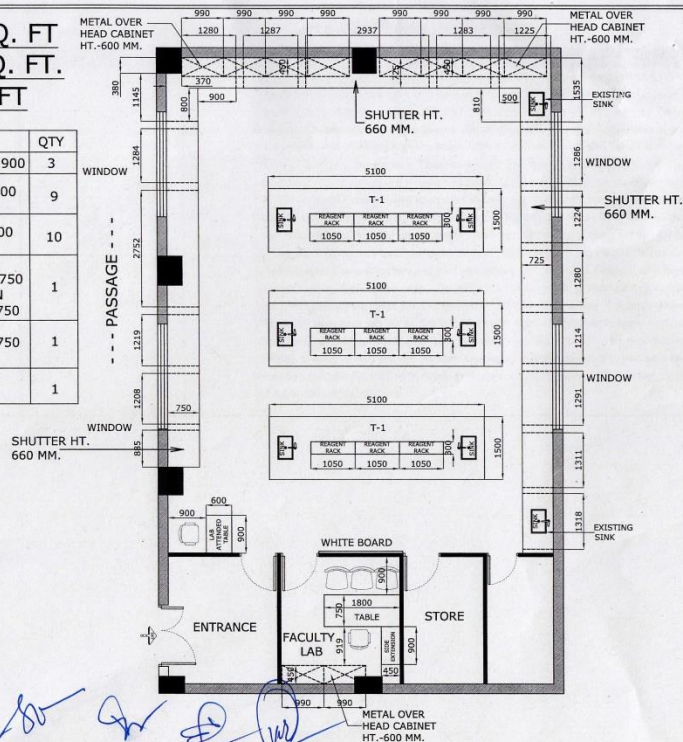
TITLE:- DRAIN LAYOUT
U.G- LAB-2
GROUND FLOOR
LAB-08

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 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 shpe 14 gague and iron bar 12x12mm sq 16 gague

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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

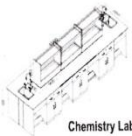
N.I.T JALANDHAR

Revised :


TITLE:-

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


(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (P6). LAB -108	 Chemistry Lab	03 NOS	T1 CENTER WORKING TABLE : Wrok Top :Made of finely polished (18+mm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height-900 mm. Powder Coating : Complete module & frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size of table 5100x1500x900mm




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2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB -108		8 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

for Mr. [Signature] [Signature] [Signature]

Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (P6), LAB -108		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



for for

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 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	PHYSICAL (G)LAB-108		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/- 2 kg/m and Hardness = 20 +/- 2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: 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	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

[Handwritten signature] *[Handwritten initials]*

LAB ATTENDED: TABLE & CHAIR				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (PG), LAB-108		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	PHYSICAL (PG), LAB-108		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





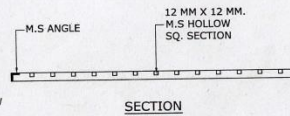
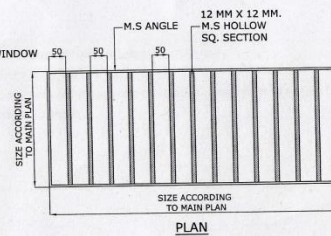
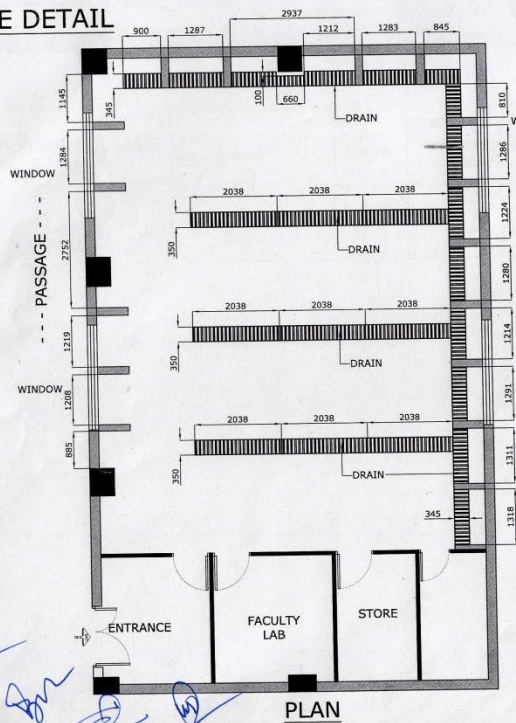

LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (P6), LAB -108		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool (4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

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RAINAGE DETAIL

DRAINAGE = 116 R.FT

REMARKS



TYPICAL DRAIN
DETAIL

CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT :-

N.I.T JALANDHAR

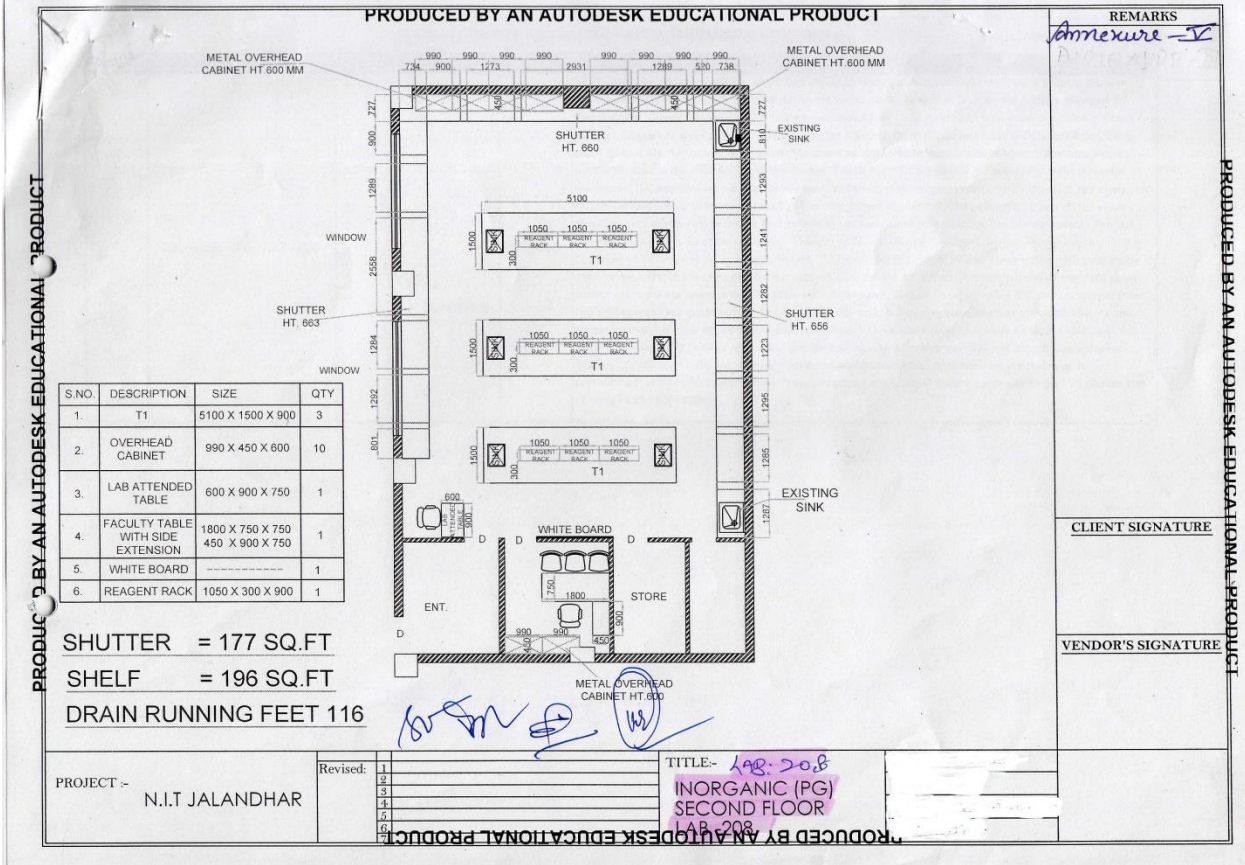
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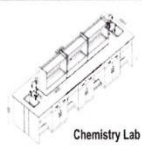
TITLE:-

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


DRAIN OPENING COVERS -(Running Feet)				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PHYSICAL (P6), LAB - 108	as per drawing	116 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




(T1) LAB CENTER WORKING TABLE SIZE 5100X1500X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208	 Chemistry Lab	03 NOS	<p>T1 CENTER WORKING TABLE : Wrok Top :Made of finely polished (18+Imm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating : Complete module & 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>




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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 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

for Mr. [Signature] [Signature]

Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		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 coated handles.SIZE39"X24"X18" LXHXD

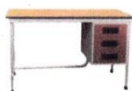

for Mr. P. M.

FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Inorganic -(P6), LAB -208		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	Inorganic -(P6), LAB -208		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	Inorganic -(P6), LAB -208		03 nos	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape


for Mr. D. M.

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 , 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	Inorganic -PG, LAB-208		196-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

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LAB ATTENDED: TABLE & CHAIR				
SRNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	INORGANIC-(P6) 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-(P6) 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

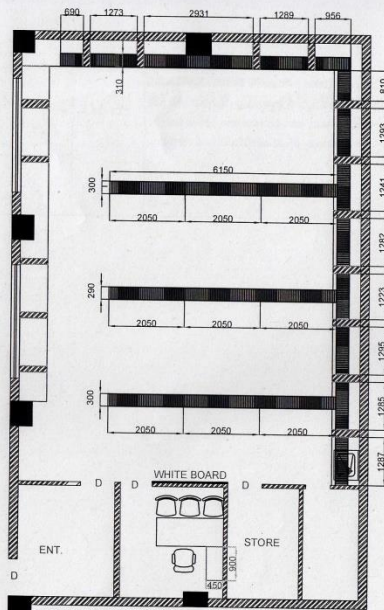
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LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Inorganic -PG, LAB-208		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 Grade of 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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VENDOR'S SIGNATURE

Revised:	1	
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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	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 gaguge and iron bar 12x12mm sq 16 gague

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REMARKS

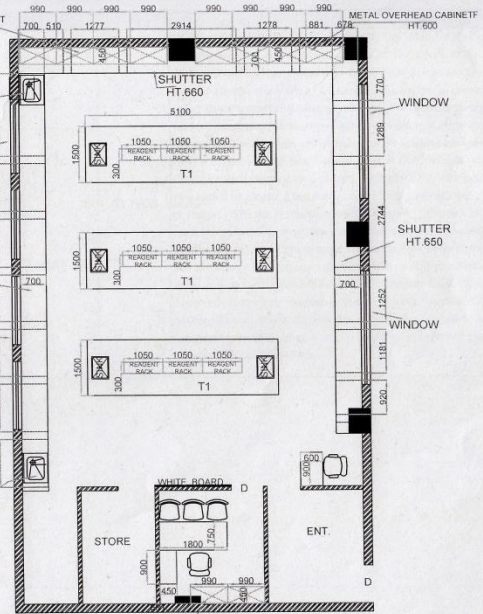
Annexure VI

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

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CLIENT SIGNATURE

VENDOR'S SIGNATURE

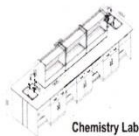
PROJECT - N.I.T JALANDHAR

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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	 Chemistry Lab	03 NOS	<p>T1 CENTER WORKING TABLE : Work Top : Made of finely polished (18+1mm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height-900 mm. Powder Coating : Complete module & 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>




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2 Way Outlet Without Swan Neck				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), Lab-102		8 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

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Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), Lab-102		10 nos	<p>Over head Storage Cupboards</p> <p>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.SIZE39"X24"X18" LXHXD</p>

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FACULTY CABIN : TABLE , MAIN CHAIR & VISITOR CHAIRS				
SERNO	LAB NAME & LAB NO.	PICTURE	QTY	SPECIFICATION
1	Organic -1(PG), 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. 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	Organic -1(PG), LAB -102		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	Organic -1(PG), LAB -102		03 nos	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape

for 2/2/20


DOOR AND SHELVES UNDER THE CONCRETE SLAB - SQFT				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), 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 (P6), 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





LAB ATTENDED: TABLE & CHAIR				
Srno	Lab Name & Lab No.	Picture	Qty	Specification
1	ORGANIC-1(P6) LAB-102		01 NOS	<p>Lab attended table RFHD/T/108</p> <p>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</p>
2	ORGANIC-1(P6) LAB-102		01 NOS	<p>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</p>

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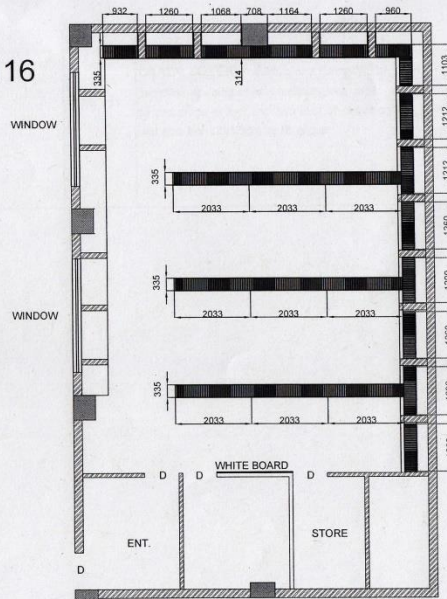
LAB STOOL				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), Lab-102		06 NOS	LAB STOOL Well-polished stainless steel top made with 202 grade stainless steel of 18 Swg. Thick. Squire structure constructed with stainless steel 202 Grade of 18 Swg. thick with 4 legs. NON Revolving SS Stool (4 Legs) Size: Top: 12" Squire, Bottom: 14.5" Squire, Height: 21"

for *for* *for* *for*

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REMARKS

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

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DRAIN OPENING COVERS -(Running Feet)				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Organic1 (P6), Lab-102	as per drawing	116 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




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REMARKS

Annexure - VII

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

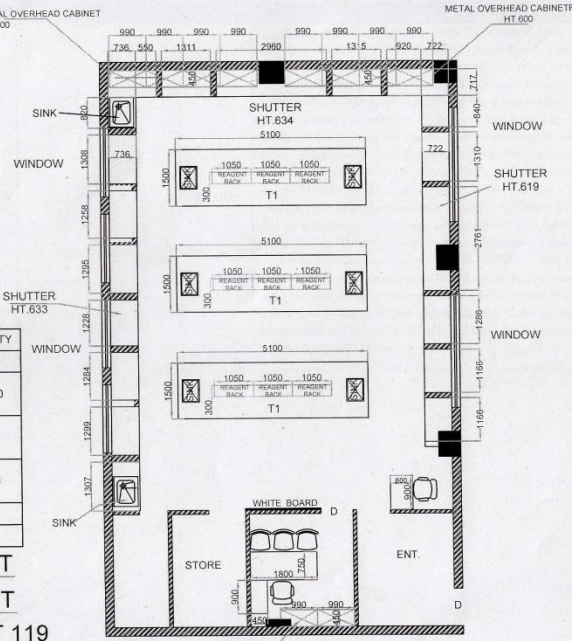
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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	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



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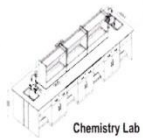
PROJECT - N.I.T JALANDHAR

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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>T1 CENTER WORKING TABLE : Wrok Top :Made of finely polished (18+Imm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The locking should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating : Complete module & 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	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 Brusting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI




Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	Analysis Chemical Laboratory LAB -02		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



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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 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	Analysis Chemical Laboratory, LAB -02		01 NOS	Revolving Teacher Chair/Faculty SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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	Analysis Chemical Laboratory, LAB -02		03 nos	Visitor Chair (faculty) SEAT/BACK ASSEMBLY: 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. ARMRESTS: The armrest tops are injection moulded from black Polypropylene. frame made in 25mm round pipe in cantilever shape

for [Signature] [Signature] [Signature] [Signature]


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 , 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	Analysis Chemical Laboratory , LAB -02		210-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

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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/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





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. 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"

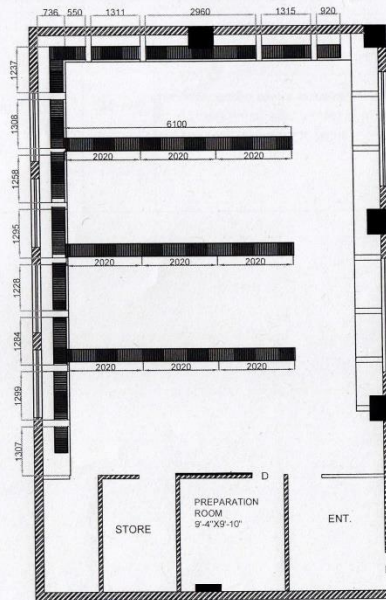




PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

REMARKS

DRAIN RUNNING FEET 119



CLIENT SIGNATURE

VENDOR'S SIGNATURE

PROJECT :-
N.I.T JALANDHAR

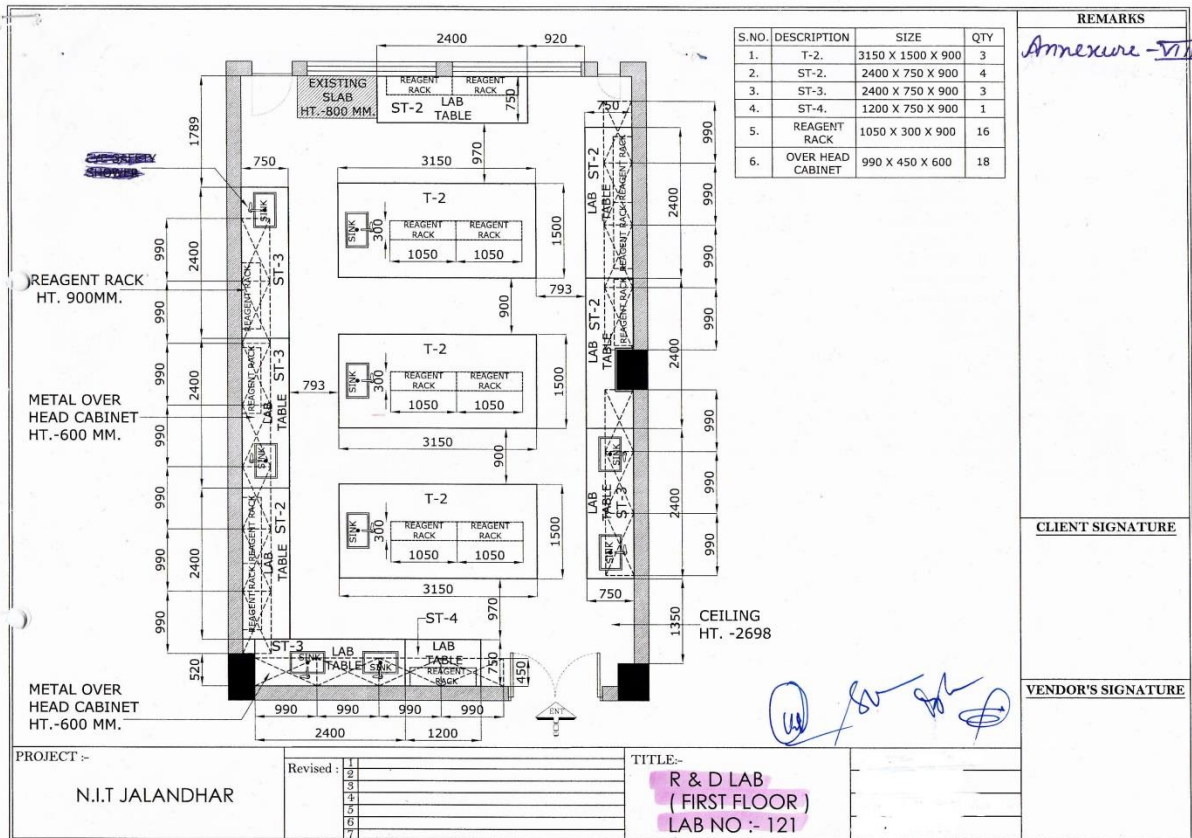
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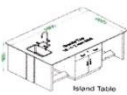
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TITLE:- DRAIN LAYOUT
ACL LAB
GROUND FLOOR
LAB-02


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	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

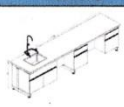


T2- CENTER WORKING TABLE WITH Reagent racks 3150x1500x900mm				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		03 NOS	<p>T2- CENTER WORKING TABLE WITH Reagent racks Wrok Top :Made of finely polished (18+1mm) thick Black Granite Top with Chamfer moulding at the front & groove at the 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement. The lock ring should be plastic & 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 & 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 & Tap : 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height: 900 mm . Powder Coating : Complete module & 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>

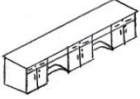
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SIDE WORKING TABLE ST-2 SIZE 2400X750X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		04 NOS	SIDE WORKING TABLE ST-2 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised iron Sheet (TATA Steel - 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. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm \pm 2 mm thick black Colour Granite with rounded edges. size 2400x750x900mm

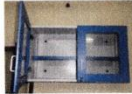
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SIDE WORKING TABLE (ST-3) 2400X750X900MM WITH SINK				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		3 NOS	<p>SIDE WORKING TABLE ST-3 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised iron Sheet (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 2400x750x900mm with ppsink</p>


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SIDE WORKING TABLE (ST-4) 1200X750X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R & D LAB , LAB NO 121			<p>SIDE WORKING TABLE ST-4 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.</p> <p>Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm \pm 2 mm thick black Colour Granite with rounded edges.</p> <p>size 1200x750x900mm</p>

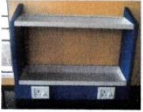
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Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R&d lab, LAB no 121		16 NOS	Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles.SIZE39"X24"X18" LXHXD


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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 Bursting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI

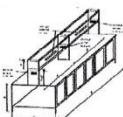
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REAGENT RACKS- THREE TIER				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	R& D LAB , LAB NO 121		16 NOS	<p>Reagent Rack</p> <p>Three tier Reagent Rack will be made of 20 gauge G.I Sheet and completely finished with epoxy powder coating. Top & Bottom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


for J. K. D. (M)

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. 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"

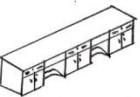
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T4- CENTER WORKING TABLE SIZE 6000X1800X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		01 NOS	<p>T4- CENTER WORKING TABLE SIZE Wrok Top :Made of finely polished (18*1mm) thick Black Granite Top with Chamfer moulding at the front & 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 & 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 & 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 & able to take load upto 30kg. All modules to have lock and dual key arrangement.The lock ring should be plastic & 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 & 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 & Tap :Polypropylene sink with outlet Nipple and three way swan neck top 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 & Bottom rack 300 mm. clear space and outer 380mm. Overall height:900 mm. Powder Coating :Complete module & 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>


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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 Brusting at 500 PSI Inlet Connection 1/2" B.S.P Test 1 Pneumatic at 250 PSI Test 2 Hydraulic at 30 PSI

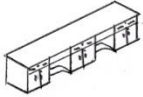
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SIDE WORKING TABLE ST-5 SIZE 2400X900X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		03 NOS	SIDE WORKING TABLE ST-5 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised 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. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm \pm 2 mm thick black Colour Granite with rounded edges. size 2400x900x900mm

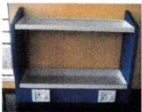
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SIDE WORKING TABLE (ST-6) 2400X900X900MM WITH SINK				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		4 NOS	<p>SIDE WORKING TABLE ST-6 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised 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 \pm 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>


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SIDE WORKING TABLE (ST-7) 1200X900X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS MEDICAL CHE LAB , LAB 320		01 NOS	<p>SIDE WORKING TABLE ST-4 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 \pm 2 mm thick black Colour Granite with rounded edges.</p> <p>size 1200x900x900mm</p>


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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

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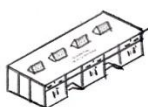
Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	NATURAL PRODUCTS & MEDICAL, CHEMISTRY ,LABNO 320		11 NOS	Over head Storage Cupboards 20 Swg. Electro-Galvanised(6.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles.SIZE39"X24"X18" LXHXD

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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"


for *Sub* *of* *MS*

CENTER WORKING TABLE -T3 , SIZE 3150X1500X900MM

SRNO		LAB NAME	PICTURE	QTY	SPECIFICATION
1		DST FIST, LAB 218		03 NOS	<p>CENTER WORKING TABLE: Material of Construction 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. technique Granite Slab Made of finely polished 18 mm \pm 2 mm thick black Colour Granite with rounded edges. Electrical points 15 / 5 Amps Electrical Points will be provided as per the drawing. Powder Coating : Complete module & frame work are processed with pretreatment and finished with highly corrosion resistant epoxy based powder coating With 50 - 55 microns size 3150X1500X900MM</p>

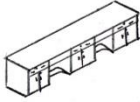
for Srn 2

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

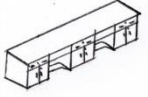
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 218		2 NOS	<p>SIDE WORKING TABLE ST-3 Under Bench Modules Under bench Modules will be made of 20 SWG precoated Galvanised iron Sheet (TATA Steel - GI Sheet) and completely finished with epoxy powder coating. These modules will be provided with top 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 \pm 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>

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SIDE WORKING TABLE (ST-4) 1200X750X900MM

SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 215		01 NOS	<p>SIDE WORKING TABLE ST-4 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 \pm 2 mm thick black Colour Granite with rounded edges.</p> <p>size 1200X750X900MM</p>


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SIDE WORKING TABLE (ST-2) 2400X750X900MM				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST FIST, LAB 218		03 NOS	<p>SIDE WORKING TABLE ST-2 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. Knee hole Space Knee hole space will be provided as per the diagram. Granite Slab Made of finely polished 18 mm \pm 2 mm thick black Colour Granite with rounded edges. size 2400x750x900mm</p>


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2 Way Outlet Without Swan Neck			
SRNO	LAB NAME	PICTURE	SPECIFICATION
1	DST FIST, LAB 215		<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>
			2 NOS

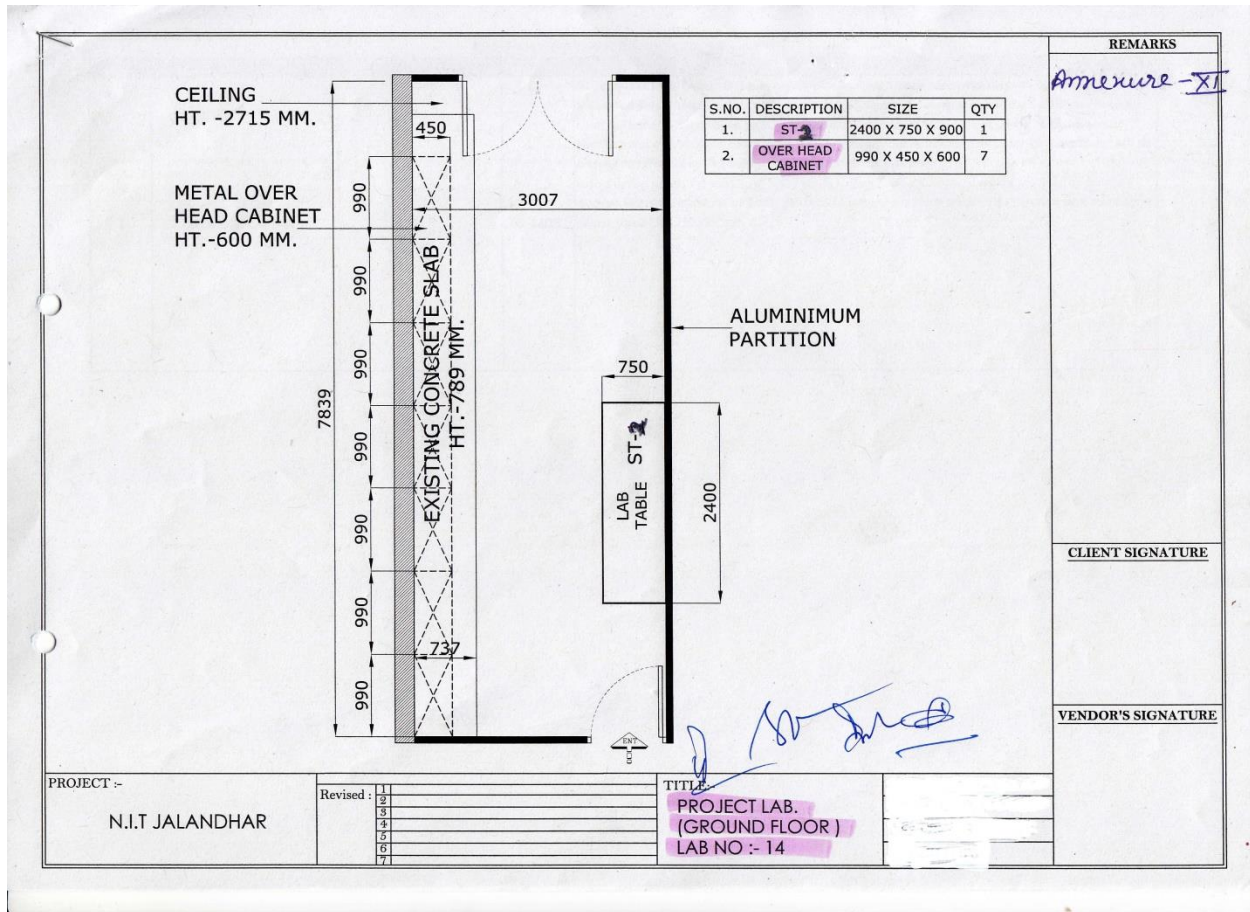
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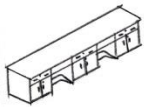
Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	DST, FIST, LAB NO 218		18 NOS	Over head Storage Cupboards 20 Swg. Electro-Galvanised(G.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided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

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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"

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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 \pm 2 mm thick black Colour Granite with rounded edges. size 2400x750x900mm</p>

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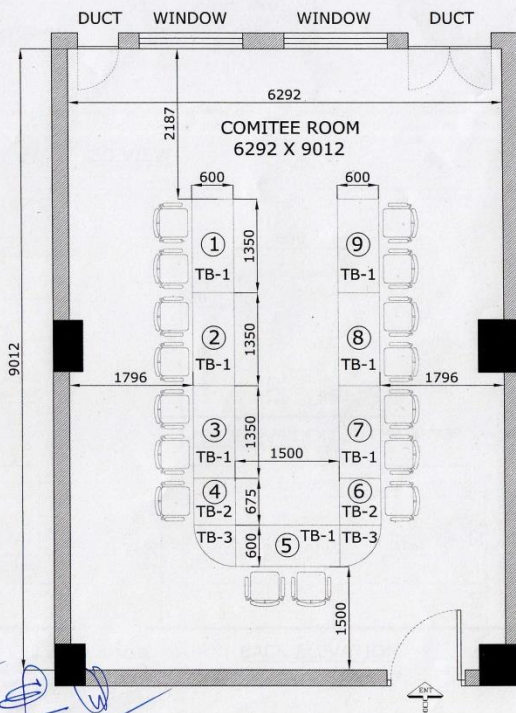
Over head Storage Cupboards				
SRNO	LAB NAME	PICTURE	QTY	SPECIFICATION
1	PROJECT LAB, LAB NO 014		07 NOS	<p>Over head Storage Cupboards</p> <p>20 Swg. Electro-Galvanised(6.I.) Sheets, external and internal finished in epoxy powder coating. One horizontal shelf will be provided. The glass shutters will be provided with lockable doors and aesthetic power coate handles.SIZE39"X24"X18" LX-HXD</p>

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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. 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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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



PROJECT :-

N.I.T JALANDHAR

Revised :

TITLE:-

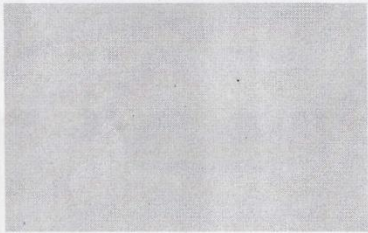
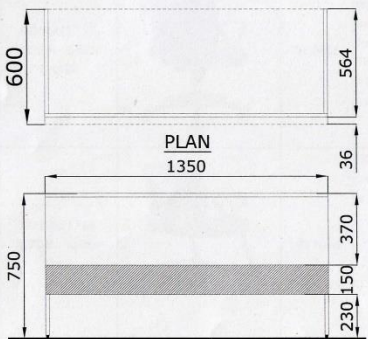
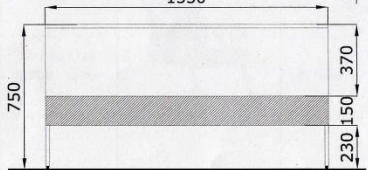
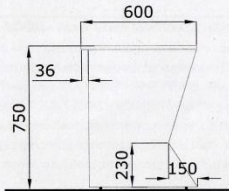
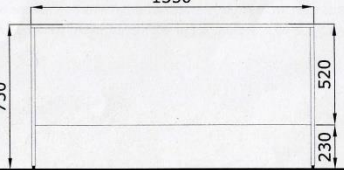
COMITEE ROOM
(FIRST FLOOR)
ROOM NO :- 109




REMARKS

Annexure - XII


CLIENT SIGNATURE

VENDOR'S SIGNATURE



 <p>3D VIEW</p>  <p>PLAN 1350</p>  <p>FRONT ELEVATION</p>  <p>SIDE ELEVATION</p>  <p>BACK ELEVATION</p>		REMARKS														
		CLIENT SIGNATURE														
		VENDOR'S SIGNATURE														
PROJECT :- N.I.T JALANDHAR	Revised : <table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>6</td><td></td></tr> <tr><td>7</td><td></td></tr> </table>	1		2		3		4		5		6		7		TITLE:- COMITEE ROOM (FIRST FLOOR) ROOM NO :- 109
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COMMITTEE ROOM				
SRNO	ITEM	PICTURE	QTY	SPECIFICATION
1	COMMITTEE ROOM -U SHAPE TABLE		01 NOS	COMMITTEE ROOM Table: 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 trop edge finished in pvc memberane 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	COMMITTEE ROOM- Main Chair SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The Polyurethane foam is moulded with density =45 +/-2 at 25% compression. CENTER TILT SYNCHRO MECHANISM 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) PEDESTAL ASSEMBLY: 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	COMMITTEE ROOM: visitor Chair SEAT/BACK ASSEMBLY: 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 109	PICTURE	QTY	SPECIFICATION
1	COMITEE ROOM		01 NOS	<p>CENTER TABLE :</p> <p>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>





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SEMINAR ROOM				
SANO	ITEM	PICTURE	QTY	SPECIFICATION
1	Seminar chairs		40 NOS	Seminar chairs 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 ³ . The sheet is upholstered with fine quality cloth
2	CENTER TABLE SEMINAR 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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H.O.D. ROOM FURNITURE				
SRNO	ITEM	PICTURE	QTY	SPECIFICATION
1	OFFICE ALMIRAH PLAIN, <u>H.O.D. ROOM</u>		3 Nos	<p>Steel Almirah Size: 1980 (H) X 900 (W) X 450 (D) mm 1. Internal Size of Almirah: 1850 (H) X 900 (W) X 450 (D) mm 2. 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). 4. Standard lock and 2 sets of keys. 5. The thickness of the Almirah sheet shall be 18 SWG. 6 door. 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 <u>H.O.D. ROOM</u>		2 nos	<p>Book Rack (Three sides covered) Book Rack Size: 2430 (H) X 915 (W) X 457 (D) mm 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). 2. Rack will be three sides covered & Front side opened. 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 6 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 <u>H.O.D. ROOM</u>		1 NOS	<p>OFFICE TABLE Providing and fixing in position executive table of size 1500mm(L) x 900mm(B) 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 & verticals as per salient technical features. Size may vary as per space available. Pedestal - with drawer unit having size 375mm x 750mm or as per the size of the table with 2 drawers + filing cabinet. 8 1/2 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 600mmx350 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	Revolving Chair SEAT/BACK ASSEMBLY: 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. POLYURETHANE FOAM: The polyurethane foam is moulded with density =45 +/-2 kg/m and Hardness = 20 +/-2 on Hampden machine at 25% compression. ARMRESTS: The armrest tops are injection moulded from black Polypropylene CENTRE PIVOT MECHANISM: 360 degree revolving type. 17 degree maximum tilt on pivot at centre. Tilt tension adjustment. Upright locking, PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 9.0 cm. PEDESTAL ASSEMBLY: 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. (70.0 cm with castors)
5	Visitor Chair H.O.D. ROOM		3NOS	Visitor Chair SEAT/BACK ASSEMBLY: 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. ARMRESTS: 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	SOFA 3 SEATER HM-138 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	SOFA 2 SEATER HM-138 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	CENTER TABLE H.O.D. ROOM		01NOS	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
9	SIDE Table H.O.D. ROOM		2NOS	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

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XV

Annexure XVXV

SPECIFICATIONS OF FUME HOODS FOR CHEMISTRY LABs

S.No.	Items	Descriptions
1	Basic System	Fume Hoods for Chemistry Lab
2	Overall Dimensions with base cabinet: Fume Hood dimensions: Base Cabinet dimensions: Inside Fume Hood working volume Bed size:	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	Design Structure	Aerodynamic and Floor mounted
4	Airflow Type	Auto Bypass Type
5	Construction (Exterior)	Powder coated (70 to 80 microns) durable, attractive Grey & Blue
6	Construction (Interior)	Chemical & Heat Resistant, Fire Retardant, Smooth Finish, Easily Cleanable
7	Baffle arrangement	Interstitial 3-point suction system (for light, normal & heavy fumes) with baffle to ensure smooth and immediate exhaust of fumes.
8	Airfoil	Aerodynamic Design, Horizontal airfoil mounted on the worktop
9	Worktop	Chemical resistant splash & spillage proof 'Jet black Granite' worktop.
10	Sink, Water tap with drain arrangement	Worktop should have 100 mm X 200 mm (approx.) sink for drainage with water tap on worktop.
11	Sash (Shutter)	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	Wet & Dry Service fittings	Remotely operated colour coded Needle Valves for fine control over utilities (as per DIN 12920 norms) total 4 nos. service valves with PU plumbing with 6mm internal dia, withstands up to 15 kgf pressure and brass fittings for gas connections. • 1L for Water above the sink • 1L for Nitrogen • 1L for Vacuum • 1L for CA
13	Lighting	Light with vapour-proof fitting for proper illumination.
14	Electrical Utilities	Four nos (3R). 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	Cable entering port	For easy access of cables from fume hood to electrical sockets.
16	Chemical Storage Base Cabinet	Base cabinet should be ready to receive the fume hood at its top. It should have following features: <ul style="list-style-type: none"> • Internal special chemical resistant material lining to the cabinet walls • 1-2 Exhaust ports connected to the fume hood exhaust system internally. • One removable horizontal partition to store chemicals. • Double skin hinged doors for Chemical resistance and hassle free operations in the corrosive lab atmosphere. • PP Trays for chemical storage Overall Dimensions: 1500 mm (W) X 700 mm (D) X 700 mm (H)
17	Apparatus Holding Grid	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	Level adjusting screws	Made of SS Bolts to adjust the fume hood level by ± 10 mm.
19	Exhaust Port	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	Noise Level	< 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	Basic System	Centrifugal Blower of Fume Hood
2	Construction	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.