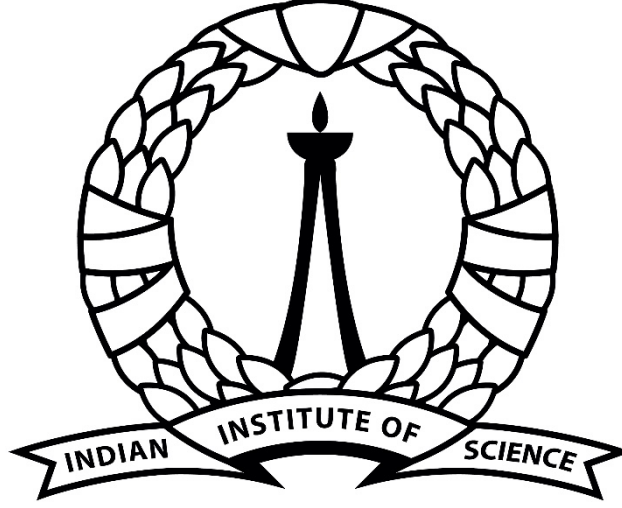


Tender for

**Supply and Installation of Furniture for Faculty Office, Admin Offices,
Discussion/Board Rooms, Student Work Areas at IISc**

Tender No: CHEMSCI/FURNITURE/2021/03-06; Dt: 03 JUNE 2021



भारतीय विज्ञान संस्थान

**Indian Institute of Science
Bengaluru - 560012**

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SECTION 1 – BID SCHEDULE

Tender No:	CHEMSCI/FURNITURE/2021/03-06
Tender Date:	03 JUNE 2021
Item Description:	Manufacturing, Supply and Installation of Made in India Furniture for Faculty Office, Admin Offices, Faculty/Student Discussion/Board Rooms, Student Work Areas in Experimental and Theory Laboratories
Tender Type:	Two Bid System - Technical Bid (Part-A); Commercial Bid (Part-B)
Pre-bid clarification meeting:	Online Pre-bid Meeting through MS-Team platform (Meeting link will be sent to only those bidders, who will request for it by email latest by 11 th June 2021) Note: Pre-bid meeting will not be held, if significant number (minimum 3) of requests from prospective bidders are not received. In this case, reply of the query will be sent by email. If Prebid meeting is held, the same shall be held on 14 th June 2021 at 3:00PM (online meeting).
	Response to all the queries from vendors shall be given by 17 th June 2021.
Last date & time for submission of Bids:	23 rd June 2021 – 3PM
Place of Submission:	Dean, Chemical Sciences Division Indian Institute of Science Bengaluru-560012
Opening Date & Time of Technical Bid:	23 rd June 2021 – 4PM
Opening Date & Time of Commercial Bid:	Will be announced later.

Tender Fees: NIL
Any Clarification: Dean, Chemical Sciences
Indian Institute of Science, Bengaluru 560012
Email: dean.che@iisc.ac.in (cc: anindajb@iisc.ac.in)
Contact No: 91-80-2293 2810/3354; 2360 2566

SECTION 2 – ELIGIBILITY CRITERIA

Prequalification criteria:

1 The bidder must be Indian OEM (Original Equipment Manufacturer) of the make mentioned in the tender document and for which they are quoting. Valid certificates must be attached. The bidder should be a well-established firm. (Enclose Registration Certificate of the firm)
2 Bidder, under the same company name, should have at least 25 (Twenty Five) years of experience in fabricating, supplying and installing modular furniture to Central/State Govt. Departments/ PSUs/Banks/Reputed/IT and other establishments (Self declaration – Annexure 3)
3 The bidder should have their manufacturing unit in India and an office/service center in Bengaluru City. The bidder should also manufacture and supply Made in India furniture.
4 Bidder should have executed at least one order of similar nature with a minimum value of Rs 150 Lakhs (Rupees One hundred and fifty lakhs only) in at least 3 out of the last 4 financial years. (Give details in the enclosed format along with copies of Purchase orders along with the corresponding completion certificates – Annexure 2)
5 The Bidder should have a minimum Annual Turnover of Rs. 50 crores each in fixture and furnishing during the last 3 financial years. (Copy of Audited Statement of Accounts to be submitted a certificate from the chartered accountant may kindly be furnished indicating the turnover in “fixtures and furnishing sector”).
6 The Bidder should not be blacklisted by any Institution/Bank in India and abroad (Self Declaration-Annexure-4)
7 The Bidder should accept tender terms & conditions (Annexure-5)

SECTION 3 – TERMS AND CONDITIONS

Submission of Tender:

1 All documentations in the tender should be in English.
2 Sealed tenders are invited under two bid systems i.e., Technical and Commercial Bid.
(i) The technical bid consisting of technical details and the commercial terms and conditions without any commercial values of items should be placed in an envelope and sealed, super scribing as "Technical Bid". Also superscribe on the envelope "Name and address of the tendering firm". All

bidders must submit an e-copy of the entire technical bid in a pen drive which must be included inside the technical bid envelope.
(ii) The commercial bid indicating item wise price of items mentioned in the technical bid should be placed on an envelope and sealed, super scribing as "Commercial bid." Also, superscribe on the envelope "Name and address of the tendering firm."
(iii) The envelopes containing technical and commercial bids should be placed in another envelope and sealed super scribing as "Bid for fabrication, supply and installation of modular workstation, desks and other furniture". Also, superscribe on the envelope " Name and address of the tendering firm".
4 All communications are to be addressed to the undersigned only.
5 Price quoted should be in Indian Rupees.
6 G.S.T. & other statutory taxes/levies are to be indicated separately. BIDDER should mention Central and State G.S.T. Registration and PAN in the tender. If vendor has exemption, separate and relevant document to be furnished in the technical bid.
7 If Price is not quoted in Commercial Bid as provided in Tender document, then, IISc Bengaluru will reject the bid.
8 Incomplete bids will be summarily rejected.
9 The selected vendor shall visit the site with the tender BOQ and ensure that all the specified quantities are matching the requirement as per site conditions. Any discrepancies in the quantity have to be highlighted before starting the work.
10 For all the custom fabricated furniture at site, the bidder shall visit the site and quote as per site conditions.

Cancellation of Tender:

Notwithstanding anything specified in this tender document, IISc Bengaluru, in its sole discretion, unconditionally and without having to assign any reason/s, reserves the rights:

- a. To accept OR reject lowest tender or any other tender or all the tenders.
- b. To accept any tender in full or in part.
- c. To reject the tender offer not confirming to the tender's terms.
- d. To reject the tender offer for inaccurate/incomplete compliance.

Validity of the bid:

180 days from the date of opening the technical bid.

Evaluation of Bid:

1 The technical bid will be opened first and evaluated. The commercial bid of the technical qualified bidders only will be opened later.

2 Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid. Further, agencies not furnishing the documentary evidence as required will not be considered.

3 Invitation of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during Technical / commercial evaluation. The decision regarding acceptance and / or rejection of any offer in part or full shall be at the sole discretion of IISc, and decision in this regard shall be binding on the Agencies.

4 The award of contract will be subject to acceptance of the terms and conditions stated in this tender. Contract document should be executed within 7 days of award of contract. Non-fulfilment of this condition of executing a contract by the awardee will lead to cancellation of the award and blacklisting of the firm.

5 Offer which deviates from the vital conditions (as illustrated below) of the tender shall be rejected.

- a. non-submission of complete offers.
- b. receipt of bids after due date and time and or by email / fax (unless specified otherwise).
- c. receipt of bids in open conditions.
- d. inaccurate/Incomplete compliance.

6 In case any BIDDER is silent on any clause mentioned in this tender document, IISc. Bengaluru shall construe that the BIDDER had accepted the clause as per the invitation to tender and no further claim will be entertained.

7 No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.

8 The date and time of the Bid opening shall be intimated to the bidders.

9 Consolidated prices of all items will be used for selecting the agency.

Guarantee:

1. Warranty to be a minimum of 3 years from the date of successful installation.
2. The successful bidder is required to submit Performance Security / Performance Bank Guarantee (PBG) within one week of the issue of Purchase order (PO), which will be valid for two months beyond the contractual obligations including warranty period. PBG should be for 3% of the total PO value. Standard rules of GFR will be followed for forfeiting / return of PBG.
3. Any payment will be released only after submission of PBG followed by its verification of genuineness.

Purchase Order:

1 The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender.

2 The item-wise price indicated in the commercial bid will be used for the purpose of arriving at price differential for any changes made in the specification/quantity during execution of the work.

Delivery Schedule:

Free delivery and Installation at IISc, Bengaluru within 60 days from the date of issue of purchase order.

Penalty:

Timely delivery is the essence of the contract and hence if the completion of work is delayed, liquidated damages at the rate 0.5% of the price of the total purchase order, for each week or part thereof shall be levied and recovered subject to maximum of 5% of total purchase order value.

Payment Terms:

No advance payment shall be made. Bills along with supporting documents showing each item executed with its quantity & rate shall be submitted by the supplier on completion of the task in duplicate quoting GST and PAN and other supporting documents.

Statutory Variation:

Any statutory increase in the taxes and duties after suppliers offer if it takes place within the original contractual delivery date will be to IISc account subject to the claim being supported by documentary evidence. However, if any decrease in statutory levies if any has to be borne by the vendor. However, if any decrease in taxes, the same as to be passed on the institute.

Disputes and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Bengaluru.

General:

1 All amendments, time extension, clarifications etc, within the period of submission of the tender, will be uploaded on the IISc website only and will not be published in newspapers. Bidder should regularly visit the above website to keep themselves updated. No extension in the bid due date/time shall be considered on account of delay in receipt of any document by mail.

2 The Bidder should ensure that the necessary facilities required for fabricating the tendered products are available in – house and made in India. IISc reserves the right to inspect, the supplier’s factory at any time during the prevalence of the contract and also to inspect each manufactured item before dispatch.

3 The bidder may furnish any additional information, which they think is necessary to establish their capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.

4 The bidder may visit the site before submission of tender, with prior intimation.

5 Any information furnished by the bidder if found to be incorrect either immediately or at a later date, the bid will be summarily rejected.

6 The sample for items indicated should be shown and got approved by the vendor before manufacturing the entire lot. (No additional cost can be charged for the samples)

7 Any major variations / changes / improvements at the time of manufacturing / installation from the tender design to be intimated to IISc and approvals taken. Any changes in rate to be approved prior to manufacturing (detailed rate analysis to be provided)

Dean, Chemical Sciences Division

Tender No:CHEMSCI/FURNITURE/2021/03-06

Dated:03June2021

Tender for Supply and Installation of Furniture for Faculty Office, Admin Offices, Discussion/Board Rooms, Student Work Areas at IISc

Section 5: Technical Bid

**Indian Institute of Science
Bengaluru-560012**

Annexure-1:

Bidder details

The bidder must provide the following mandatory information & attach copies wherever mentioned:

Details of the Bidders		
No	Description	Particulars
1	Name of the Bidder	
2	Nature of Bidder (Pvt Ltd or Public Ltd Co/ Partnership firm etc) (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
3	Registration No/ Trade License, (if any attach copy)	
4	Registered Office Address	
5	Address for Communication	

6	Contract person Name Designation	
7	Telephone No	
8	Email ID Website	
9	PAN No. (attach copy)	
10	CST/VAT No. (attach copy)	
11	G.S.T. registration No. (attach copy)	
12	Annual Turnover (attach audit reports) 2015-16 2016-17	
13	Tender Cost	Demand Draft No. Name Of The Bank Date

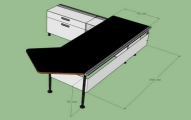
(Signature of the Bidder)
Printed Name

Designation, Seal

General Conditions

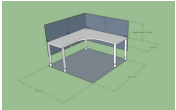
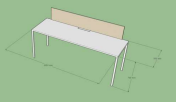


General Conditions for TABLES/FURNITURES/STORAGES

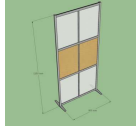
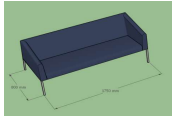
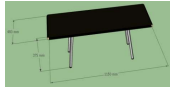
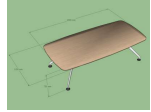

1	The given layout to be marked with tape on the site before commencement of production and drawings to be provided on ACAD depicting the placement of furniture in each of the rooms.
2	Production to commence only after approval of marking on site, final shop drawings and sample board and furniture sample of all colours/materials etc as instructed by the client / client representative
3	Final approval on quantity, finishes etc by client before execution
4	Modifications due to special site / ground conditions to be brought to the notice of the client before manufacturing / installations and appropriate solution arrived at with submission of any cost variation due to site condition
5	The Client may modify (add or delete) scope of work before execution
6	The project is spread across Ground, First, Second, and Third Floors
7	All specifications are as per general specifications
8	The plans and views attached are schematic/indicative and may be modified, following the approval from the client/ client representative
9	Each unit will consist of standard modules and each module will be as per given specifications
10	Vendor to Visit the site before submission of quotation
11	Prices should be inclusive of transportation, installation and all applicable taxes (percentage of tax to be specified)
12	Price should be inclusive of the mockup cost.
14	Cost to include complete installation, cleaning & house keeping (Pre packed covering etc., complete) upto handover.
15	Final colour scheme will be decided at the time of final approval / mock up before manufacturing
16	All Fabrics, Laminates, (Powder) coating colours and finishes will be of standard quality and specs
17	Fabric shade & finishes to be strictly as per Client or Client Representative
18	All powder coated materials, fabric and glass to be prepacked and removed from site after installation
19	Pre approved template / cutouts for electrical and other provisions to be included in the costing.
20	For a single unit with multiple locks, keys provided for each unit to be single key to open multiple locks on the same unit
21	Key sets to be 3nos each
22	Powder coating to be Epoxy Polyester for Interior Grade.
23	Powder Coat Colours are Standard and NON METALIC and to be approved by the client or client representative.
24	Fixing of one member (unit) to other members (units) only through clamps, brackets and no direct screwing allowed.
25	The design, rigidity, strength, fixing and support details for SS pipes, Spider legs etc to be approved prior to manufacturing.
26	Furniture feet and handles to have a brush finish. Furniture feet to be manufactured by vendor, sample to be approved before setting up of mock.
27	Cost should be inclusive of Shop drawing preparation/getting approval from Client or Clients Representative/ Mockups/ Handing over documents (3sets) that includes as built drawings, Manufacturers warranty & Guarantee certificate, user manuals, products catalogues, contact details etc.
28	Vendor to quote for the product matching to the above specifications in the BOQ and if there is any variation, same to be informed to the client / client representative. The decision of the client is final.
29	Measurements in drawings of furnitures and storages are indicative, all measurements are to be verified on site and necessary improvements to be made before execution. The same must be intimated to the client/client representative.
30	The complete work should be carried out as per specification and as described by the Engineer-in- Charge of work.
31	Quality Test reports of all furniture pertaining to the technical standards mentioned in the specification to be provided.


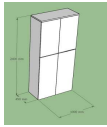
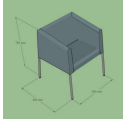
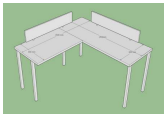
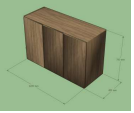
No	Code	SPECIFICATIONS	REFERENCE IMAGE	MAKE / MODEL	IMAGE	COMPLIANCE (Y/N)	REMARKS (if not compliant)
1	DESK-1-FACULTY	<p>Cabin Table - Laminate Top Finish Size (+/- 100mm): 2200L X 750D x 750HT mm (Final size to be fixed after sample submission at site).</p> <p>Main Leg Assembly:</p> <ul style="list-style-type: none"> The MS supports are made of 50 x50mm square ERW tubes- 16g with levellers to cater for floor undulations- +/- 20 mm. ERW Tube conforming to IS 4923: 1997 – 16g. Main leg members will be connected through a horizontal member size 1.6mm thk, 50x25 cold formed ERW tube conforming to IS 4923: 1997. The vertical and the horizontal tubes will be welded with CO2 MIG welding process conforming to IS 816 and ISO 9692-2. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. The legs will be connected with Cross beams to take care of the bending stress catering up to 1800 mm length and up to 900 mm depth of the work surface. The number of cross beams will be based on the depth of the table. The Cross Beams are made of 40x20 mm ERW tubes- 16 g. The cross beams will be connected to the legs with specially designed Aluminium Die Cast connectors by using Hi Tensile Allen bolts as per the design. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. The Legs shall be offered in two different designs- Straight and tapered. Straight legs should be used for non-Shearing work stations and for cabin table design. Option of using tapered legs will be made available as per the design requirement. The Engineering plastic components will be made with Acrylonitrile butadiene styrene (ABS) which are conforming to ASTM D256 for Izod Impact (1/4”) for Leg shoe and levellers. The spacers are fitted to the main leg to give a floating look as well to support the table top. The spacers will be made of Polycarbonate (PC). <p>Cross Beam:</p> <ul style="list-style-type: none"> Cross beams should be part of the design to give under structure support for the work surface. Each cross beam will be connected to the main leg to intermediate leg through high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. The design of aluminium die cast connectors should be capable of connecting the end legs and end leg to intermediate legs. The Cross Beams are made of 1.60mm thick 40x20 ERW tubes conforming to IS 4923: 1997. The cross-beam design should be compatible/ flexible to other leg designs. <p>Work surfaces:</p> <p>The work surface will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL(continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823: 1990.PVC edge band will be minimum 2 mm thick, will be imported, quality conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with Imported Hot melt Glue conforming to ISO 9001- 2008 and certified by ANSI for quality. The edge band will be done in imported continuous feed edge band machines for maintaining the quality of workmen ship.</p> <p>Wide range of laminate finish will be made available as per architect's choice.</p> <p>Side Composite Storage:</p> <ul style="list-style-type: none"> Storages are placed in the work place as per the convenience of the user and utility. Storages are made of 18 mm PLB. The finishes can be from any reputed range. The storages are normally on levellers. Provided with suitable handles and locking arrangement. The shelves inside will be adjustable. The number of shelves will depend upon the height of the storage and its utilization by the client. The shelves will also be 18 mm PLT. 					
2	SHELF-1	<p>Bookshelf/showcase Size : 1200L X 420D X 1950HT</p> <p>Specification:</p> <p>The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade. The storage will have a back panel made in 18 mm PLT [Pre laminated both sides)- conforming to IS-14587:1998. Top Shutters are with Glass.</p>					
3	TRI-TABLE-1	<p>Triangular Discussion Table Size (mm): 1000L (all sides) x 750ht</p> <p>Table:</p> <p>The work surface will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL(continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823: 1990.PVC edge band will be minimum 2 mm thick, will be imported, quality conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with Imported Hot melt Glue conforming to ISO 9001- 2008 and certified by ANSI for quality. The edge band will be done in imported continuous feed edge band machines for maintaining the quality of workmen ship.</p> <p>Wide range of laminate finish will be made available as per architect's choice.</p> <p>Supports:</p> <ul style="list-style-type: none"> The MS supports are made of 50 x50mm square ERW tubes- 16g with levellers to cater for floor undulations- +/- 20 mm. ERW Tube conforming to IS 4923: 1997 – 16g. Main leg members will be connected through a horizontal member size 1.6mm thk, 50x25 cold formed ERW tube conforming to IS 4923: 1997. The vertical and the horizontal tubes will be welded with CO2 MIG welding process conforming to IS 816 and ISO 9692-2. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. The legs will be connected with Cross beams to take care of the bending stress catering up to 1800 mm length and up to 900 mm depth of the work surface. The number of cross beams will be based on the depth of the table. The Cross Beams are made of 40x20 mm ERW tubes- 16 g. The cross beams will be connected to the legs with specially designed Aluminium Die Cast connectors by using Hi Tensile Allen bolts as per the design. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. The Legs shall be offered in two different designs- Straight and tapered. Straight legs should be used for non-Shearing work stations and for cabin table design. Option of using tapered legs will be made available as per the design requirement. The Engineering plastic components will be made with Acrylonitrile butadiene styrene (ABS) which are conforming to ASTM D256 for Izod Impact (1/4”) for Leg shoe and levellers. The spacers are fitted to the main leg to give a floating look as well to support the table top. The spacers will be made of Polycarbonate (PC). 					
4	CHAIR-1	<p>Wooden chair with fabric seat Size: 785mm Ht X 420mm Width</p> <p>standard wooden chairs incorporating 1. Wooden back and legs 2. Cushion Seat 3. No armrest 4. Under leg bushes</p>	Supply of				
5	CHAIR-MB-1	<p>Chair Features:</p> <ol style="list-style-type: none"> mesh back and fabric seat with grey lumbar support 4D armrest (grey color) Synchro tilt mechanism with seatsliding 4350 nylon base (grey color) Class 4 cylinder, 125mm stroke 65mm nylon castors <ul style="list-style-type: none"> Overall Size:71.5*71.5*105-117cm W*D*H Seat Size:50*48.5cm W*D Back Size:62cm H Seat Height: 47-58.5cm <p>knee tilt mechanism used for these items. Client to be able to select fabric colours afterplacing the order.</p> <p>The chair must incorporate the following functions:</p> <ol style="list-style-type: none"> height adjustment tilt tension adjustment tilt lock/unlock - 4 position locking, seat angle could be from 110 - 130 Degree or better. 					


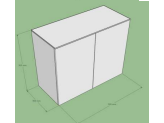
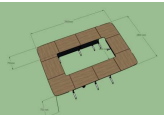
6	CHAIR-HB-1	<p>Chair Features:</p> <ol style="list-style-type: none"> 1. mesh back and fabric seat 2. with grey lumbar support 3. 4D armrest (grey color) 4. Synchro tilt mechanism with seat sliding 5. H350 nylon base (grey color) 6. Class 4 cylinder: 125mm stroke 7. 65mm nylon castors <p>• Overall Size: 71.5*71.5*105-117cm W*D*H • Seat Size: 50*48.5cm W*D • Back Size: 62cm H • Seat Height: 47-58.5cm</p> <p>knee tilt mechanism used for these items Client to be able to select fabric colours after placing the order. The chair must incorporate the following functions:</p> <ol style="list-style-type: none"> 1) height adjustment 2) tilt tension adjustment 3) tilt lock/unlock - 4 position locking, seat angle could be from 110 - 130 Degree or better. 					
7	BOARD-1	<p>SITC of a glass topped writing board with white colour backing made for markers with dimensions 2m X 1.5 m (length x height) complete with all accessories to wall mount the board.</p>					
8	DESK-1-FACULTYSHARE	<p>Cabin Table - Laminate Top Finish Size: 1650L X 700D x 750HT mm Main Leg Assembly:</p> <ul style="list-style-type: none"> • The MS supports are made of 50 x50mm square ERW tubes- 16g with levellers to cater for floor undulations- +/- 20 mm. ERW Tube conforming to IS 4923: 1997 – 16g. Main leg members will be connected through a horizontal member size 1.6mm thk, 50x25 cold formed ERW tube conforming to IS 4923: 1997. The vertical and the horizontal tubes will be welded with CO2 MIG welding process conforming to IS 816 and ISO 9692-2. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. • The legs will be connected with Cross beams to take care of the bending stress catering up to 1800 mm length and up to 900 mm depth of the work surface. • The number of cross beams will be based on the depth of the table. The Cross Beams are made of 40x20 mm ERW tubes- 16 g. The cross beams will be connected to the legs with specially designed Aluminium Die Cast connectors by using Hi Tensile Allen bolts as per the design. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. • The Legs shall be offered in two different designs- Straight and tapered. Straight legs should be used for non-Shearing work stations and for cabin table design. Option of using tapered legs will be made available as per the design requirement. • The Engineering plastic components will be made with Acrylonitrile butadiene styrene (ABS) which are conforming to ASTM D256 for Izod Impact (1/4") for Leg shoe and levellers. • The spacers are fitted to the main leg to give a floating look as well to support the table top. The spacers will be made of Polycarbonate (PC). <p>Cross Beam:</p> <ul style="list-style-type: none"> • Cross beams should be part of the design to give under structure support for the work surface. Each cross beam will be connected to the main leg to intermediate leg through high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. The design of aluminium die cast connectors should be capable of connecting the end legs and end leg to intermediate legs. • The Cross Beams are made of 1.60mm thick 40x20 ERW tubes conforming to IS 4923: 1997. The cross-beam design should be compatible/ flexible to other leg designs. <p>Work surface:</p> <p>The work surface will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL(continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823: 1990. PVC edge band will be minimum 2 mm thick, will be imported, quality conforming to DIN 68661, 53388 standards. The edge band will be fixed to the work surface edges all round with imported Hot melt Glue conforming to ISO 9001- 2008 and certified by ANSI for quality. The edge band will be done in imported continuous feed edge band machines for maintaining the quality of workmen ship.</p> <p>Wide range of laminate finish will be made available as per architect's choice.</p> <p>Side Composite Storage:</p> <ul style="list-style-type: none"> • Storages are placed in the work place as per the convenience of the user and utility. Storages are made of 18 mm PLB. The finishes can be from any reputed range. The storages are normally on levellers. Provided with suitable handles and locking arrangement. The shelves inside will be adjustable. The number of shelves will depend upon the height of the storage and its utilization by the client. The shelves will also be 18 mm PLT. 					
9	SHELF-2	<p>Shelf Size : 900L X 600D X 1770HT Specification : Made of 18mm thick Pre Lam particle board finished with 2mm edge lipping with 4 Shutters and open shelf Hardware : flush handles and individual lock</p>					






10	DESK-EXPERIMENT-1	<p>Workstation with Over Head Storage Size: 1200L X 750D X 750/2000HT Main Leg Assembly:</p> <ul style="list-style-type: none"> The MS supports are made of 50 x50mm square ERW tubes -16g with levelers to cater for floor undulations +/- 20 mm. ERW Tube conforming to IS 4923: 1997 – 16g. Main leg members will be connected through a horizontal member size 1.6mm thick, 50x25 cold formed ERW tube conforming to IS 4923: 1997. The vertical and the horizontal tubes will be welded with CO2 MIG welding process conforming to IS 816 and ISO 9692-2. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. The legs will be connected with Cross beams to take care of the bending stress catering up to 1800 mm length and up to 900 mm depth of the work surface. The number of cross beams will be based on the depth of the table. The Cross Beams are made of 40x20 mm ERW tubes- 16 g. The cross beams will be connected to the legs with specially designed Aluminium Die Cast connectors by using Hi Tensile Allen bolts as per the design. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. The Legs shall be offered in two different designs- Straight and tapered. Straight legs should be used for non-Shearing work stations and for cabin table design. Option of using tapered legs will be made available as per the design requirement. The Engineering plastic components will be made with Acrylonitrile butadiene styrene (ABS) which are conforming to ASTM D256 for Izod Impact (1/4") for Leg shoe and levelers. The Spacers are fitted to the main leg to give a floating look as well to support the table top. The spacers will be made of Polycarbonate (PC). <p>Intermediate Leg:</p> <ul style="list-style-type: none"> The intermediate leg (where two tables are joined) will be designed to provide adequate leg room while working. The leg vertical will be constructed using 1.6mm thick 60 x 40 mm rectangle and a beam connecting the verticals will be in 40x40 mm square ERW tubes conforming to IS 4923: 1997. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. The legs will be provided with M8 levelers for adjustments up to a 20 mm. <p>Polycarbonate (PC) for spacers will have floating look as well to support the table top, are fixed to the leg, thus forms the under structure of workstation.</p> <ul style="list-style-type: none"> The intermediate leg will be connected to main legs through cross beam connectors using high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. Intermediate legs shall have the design to accommodate cable management system from the floor trunks with cable separators for both tray and vertical wire raceways. <p>Cross Beam:</p> <ul style="list-style-type: none"> Cross beams should be part of the design to give under structure support for the work surface. Each cross beam will be connected to the main leg to intermediate leg through high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. The design of aluminium die cast connectors should be capable of connecting the end legs and end leg to intermediate legs. The Cross Beams are made of 1.60mm thick 40x20 ERW tubes conforming to IS 4923: 1997. The cross-beam design should be compatible/ flexible to other leg designs. <p>Work surfaces:</p> <p>The work surface will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL(continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823: 1990. PVC edge band will be minimum 2 mm thick, will be imported, quality conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with imported Hot melt Glue conforming to ISO 9001- 2008 and certified by ANSI for quality. The edge band will be done in imported continuous feed edge band machines for maintaining the quality of workmen ship.</p> <p>Wide range of laminate finish will be made available as per architect's choice.</p> <p>Cable Management:</p> <p>The vertical raceways will be offered in two sizes - 250mm. Thickness- 70mm with cable separators. The raceway covers should be "clip on" type easily removal without tools for access.</p> <p><i>The covers removable covers should have option of PLB or metal (PCBA) with powder coating finish as per the Architect's decision.</i></p>				
11	PEDESTAL-1	<p>Mobile Pedestal Size : 400 L X 450D X 600HT Specification :</p> <ul style="list-style-type: none"> The pedestals are made of 18mm PLB. The drawers are made metal sides- called "Meta Box"- powder coated in Ivory finish. The height of the sides will depend upon the depth required. The "Meta Box" comes in 3 sizes- 55, 75 and 110 mm. The "Meta Box" slides on a channel with nylon rollers. The drawer bottoms and back are made of 12mm PLB. All the exposed portions have 1mm thick PVC edge band. Provided with multi lock which can lock all the #Pedestal: size- 400(w)x450(D)x 600(H) in mm. It will be made in 18 mm thick PLB (Pre laminated board) with the density of 680kg/m³ one side pre-laminate board conforming to IS 12406 : 2013. Surface: CPL (continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade-Lorran walnut(brown) conforming to IS-12823:1990. The pedestal will be on caster- 50 mm Dia made in Nylon glass filled 30%. The configuration will be two equal drawers and one filing drawer. The drawers are made metal sides- called "Meta Box"- powder coated in Ivory finish. The "Meta Box" slides on a channel with nylon rollers. The drawer bottoms and back are made of 12mm thick PLB. All the exposed portions should have 1mm thick PVC edge band. The pedestal will be provided with individual or multi cam lock which can lock all the fascia's together. Keys should be provided in duplicate. The handle s'will "Finger groove" construction with PVC edge band. 				
12	CHAIR-MB-2	<p>STUDENT CHAIRS It is an ergonomically designed office chair with extraordinary features exploiting the manufacturing technology available. It is designed with environmental criteria stipulated by EMS and OHSMS guidelines.</p> <p>Specifications:</p> <ul style="list-style-type: none"> Casters : Twin Casters 50mm dia with Nylon material complying to ANSI / BIFMA X 5.1 – 2017 standards. The axle pin is rust protected- Zinc passivated. The pin is designed to have push fit with lock ring. Base: The 660mm PCD (26 inches) five pronged base is made out of Nylon 30% GF Reinforced with bottom ribbing for additional buttress and strength. Tested prudently and rigorously as per ANSI/BIFMA X5.1-2017, General Purpose Office Chairs Standard. The base Outer diameter shall be 750 mm with casters. MS ring is insert moulded for better grip in the swaged taper. The Nylon base is load tested as per the BIFMA standards- to 1134 Kg. <p>Can also be offered in Chrome base finish- Specially designed S pronged structure fabricated with CR Sheets of 1.8 mm thickness. Base PCD is 26 inches. It is completely stable, extremely durable with sturdiness. Has pleasant aesthetic looks. It is reinforced with ribs, CO2 MIG welded to provide additional strength and support. Chrome plated to thickness of 10-12 microns.</p> <ul style="list-style-type: none"> Gas lift: Single swage Class 4 tested- ANSI BIFMA performance standards. The pneumatic height adjustment has an adjustment stroke of 95- 100 mm as per the seat height criteria and 360° revolving. Designed with possibility to increase the seat height with Gas lift stroke 110-115 mm if required. Mechanism: Synchro tilt Mechanism - This mechanism is manufactured out of cold Rolled Carbon Steel IS 513-1994 Sheets, The steel components are manufactured with highly precision tools for accuracy in matching other parts for smooth functioning. The taper angle should match with the taper angle of the gas lift and base swaging- 1°26'16". The steel components are fabricated by using CO2 - MIG welding process for giving uniform surface finish with higher tensile strength. Springs are made out of Grade II material. Composite release levers for locking mechanism & Gas lift height adjustment. The mechanism is offered with synchro mechanism with single lever with one position lock with seat to back tilt ratio of 2:5. Seat tilt tension adjustment can be operated in seating position. Arms: One way height adjustable arms moulded with Nylon GF 30%. <p>The height adjustment button with Deirin P 500.</p> <p>Arm Pad : Material- Polyurethane with 2 mm metal insert. PU armrest is made of black integral skin polyurethane with 50-70 shore 'A' hardness and reinforced with MS insert.</p> <ul style="list-style-type: none"> Seat: Fabric upholstery : Seat is upholstered with micro fabric, 100% polyester- 180 GSM, Abrasion- > 50000 cycles. No flaming or progressive smouldering within one hour of placement of the cigarettes. Fire rated fabric conforming to BS EN 1021(match), IS 15061-2002 is optional. Foam: Cushion with pre moulded foam of 55 kg/m3 density in the shape of plywood. Hardness – 25 ± 3 kgf at 50% deflection. Ply wood: 12 mm thick with 9 ply. It is hot pressed ply - conforming to IS 303. The plywood is fitted with metal "T" nut to have metal to metal contact for the hardware used for fixing the mechanism and arms. This technology ensures long and efficient and safe functioning of the chair without any shake and play in the long run. <p><i>The seat profile is designed with water fall to provide better posture in seated position.</i></p>				
13	MEETING-TABLE-1	<p>Integrate Table - Laminate Top Finish Size: 2100L X 1000D X 750HT mm Specification :</p> <p>Table tops: The table design should have options of different profiles. The top will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL (continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. PVC edge band will be minimum 2 mm thick conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with hot melt Glue conforming to ISO 9001-2008 and certified by ANSI. D 4499 for viscosity and thermal stability. The edge band will be done in continuous feed edge band machines for achieving the quality of workmanship. The table top shall also be offered in 40 mm thick at the edges. The Meeting/ conference tables shall be offered in lengths from 1500 – 6000 mm in multiples of 300 mm. The depth varies from 600 – 1500 mm in multiples of 150 mm. Single piece tops shall be offered up to 2700 mm without intermediate support. The table will have joints beyond 2400/2700 mm with suitable supports. Veneer or membrane top option will be made available.</p> <p>Supports: The conference/meeting tables can be supported by the Legs which are built by using high pressure die casting connectors, Specially tooled & specifically designed Oval shape ERW Tube – 16g along with strong Leg bush & levelers. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. The Integrate oval tube will also be used as cross beams connecting both end legs. The design of cross member should be structurally strong to negate use of intermediate leg support.</p> <p>Cable management: Cable Management is a vital requirement in any conference table. (Both data and Power). The cables are accessed by the user by means of "Flip up" boxes provided on the table.</p> <p>The size of the "Flip up" will be available in sizes - 300, 450 and 600 mm depending upon the number of switch/socket required. The cables enter the flip ups through wire entry channels/vertebra from the floor junction boxes. A cable tray shall be provided below the table for the carriage of cables from one end to the other which facilitates the cable entry into the flip ups. Should have the capability to accommodate approx. 30 -40 CAT-6 cables through the wire entry channels/vertebra. The Flip Ups will be designed to access cables from all three sides. The depth of the cable tray should have options of using standard plugs and "Apple" plugs. The "Flip up" should have design to mount "back to back" for access from either side of the table. There will be option of either powder coated or anodized finish. Avoid Nylon brush or PVC beading.</p>				

14	CUBICLE-1-L	<p>C-Shape Workstation Size : 1500-1500L X 7000 X 750Ht Specification : Frames: The partition based system will be with main spine in 50 mm thick made by 1.2 mm thick CRCA sheet conforming to IS 513: (2008), IS 13871:1993. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals will have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots will be provided at different heights for fixing tabletop brackets, tiles and shelves. There will be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should made by CNC machines to avoid sharp edges and burr. There will be minimum four horizontal members in each frame- top, middle levels and at the skirting level. The horizontal members will be made from CRCA sheets formed in "C" shape in hydraulic press. The CRCA sheets will be conforming to IS 513: (2008), IS 13871:1993. The horizontal members should be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members will have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members will be CO2 MIG welded conforming to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 levelling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. The MS bolt will be zinc pacified with insert moulded in PVC shoes.</p> <p>The frames should be available both in vertical and horizontal sizes in multiples of 150 mm. The frame heights should be available from 900 – 2100 mm and width availability from 300 – 1350 mm. The frame should be capable of fixing over head storage as per the frame width. The frames should be joined without any gap as per the configuration. The frame verticals are fabricated in 1.2mm CRCA sheet up to 1200mm heights. For higher heights 1.5mm CRCA sheets will be used where the frames are used for fixing overhead shelves and full height partition up to ceiling. All CRCA sheets will conform to IS – 513.</p> <p>Frames should be provided with anchoring arrangement if required. All the frames are duly powder coated in charcoal black colour or colour of choice to a thickness of 50-60 microns conforming to ASTM B – 117, ISO – 1520 and ISO – 1518 & ASTM D - 2794. The powder coating will be done with NANO Ceramic coating.</p> <p>The Frames should have the design to be attached to form a 2-way, 3-way or a 4-way configuration by means of connecting posts. All frames are fixed with aluminium trims conforming to IS – 733. The top and end trims will be minimum 1.2 mm thick extrusions conforming to IS-733:2017 and ISO -2768-2, EN AW 755-2, EN AW 573-3. These trims are finished in an epoxy powder coating finish. The aluminium trims and MS brackets will be powder coated as per the approved colour. The aluminium trims and MS brackets undergoes 7 step rust resistance pre-treatment process viz degreasing, pickling as per IS standard conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523, ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016. After pre treatment process, the components are NANO coated and pacified for better adhesion of paint as per IS 3618 - 2016. The components are powder coated with epoxy polyester powder to the thickness of 50-60 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish. Product undergoes the following testing process for durability and functionality, cross cut test for ensuring adhesion of powder coating as per IS standard, Salt spray test for ensuring the rust resistance. The connectors to the frames should have Aluminium die cast connectors conforming to IS 742, IS 2600, ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 2014, IS 1608 – 2018. It should be powder coated in matching colour to the trims conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523, ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016.</p> <p>Cable management: The system should have effective Cable management system. The data and the power cables should be at different levels (called Raceways) to maintain the separations as per the IT norms minimum 300 mm apart. The wire management slots in the frames are large enough to manage high volume of data cables (CAT-6) - approx. 40-50 CAT-6 cables. Vertical movement of the cables in addition to the two/ three levels of horizontal passage should be possible. The raceway covers should be designed as "clip on" raceway which permits easy removal and fixing. No screws/nut bolt should be used. The Skirting raceways are 120 mm and the raceways at the table top level are of 120 mm. The length of the raceways will be matching to the frame width. All standard electrical/Data faceplates should be capable of being mounted on the raceways at both the levels. The raceways will be provided with cut outs as per the requirement of the switches/sockets. The switches /sockets to fixed "staggered" to ensure electrical safety. Option of additional raceway should be available to accommodate more cables (if >50 CAT-6 cables) or sockets.</p> <p>Tiles: The tiles will be 6 mm thick. Tiles of different types/ finishes are slid on to the frame grooves. Two such tiles on either side of the frame completes the assembly. The sizes of the tile will be dictated by the height of the system, raceway locations and design. The Fabric Tiles are made in MDF wrapped with fabric. The MDF thickness will be 5.5 mm conforming to E-1 norms. The MDF will be conforming to IS 12406: 2013 and JIS A 5905-2003- IS-12823:2018. • Fabric Tile: Constructed out of 5.5mm thick Medium Density Fiber Board (MDF) conforming to IS – 12406 and covered with Fabric of choice. The fabric used will be conforming to BS EN 1021-1, BS 7176 & ISO 105-802. The glue used for upholstery are made with advanced adhesives conforming to ASTM D 1500, ASTM 1298 standards. Sprayed with upgraded machines to ensure uniformity and best adhesion.</p>			
15	CUBICLE-1-S	<p>C-Shape Workstation Size : 1500L X 7000 X 750Ht Specification : Frames: The partition based system will be with main spine in 50 mm thick made by 1.2 mm thick CRCA sheet conforming to IS 513: (2008), IS 13871:1993. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals will have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots will be provided at different heights for fixing tabletop brackets, tiles and shelves. There will be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should made by CNC machines to avoid sharp edges and burr. There will be minimum four horizontal members in each frame- top, middle levels and at the skirting level. The horizontal members will be made from CRCA sheets formed in "C" shape in hydraulic press. The CRCA sheets will be conforming to IS 513: (2008), IS 13871:1993. The horizontal members should be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members will have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members will be CO2 MIG welded conforming to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 levelling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. The MS bolt will be zinc pacified with insert moulded in PVC shoes.</p> <p>The frames should be available both in vertical and horizontal sizes in multiples of 150 mm. The frame heights should be available from 900 – 2100 mm and width availability from 300 – 1350 mm. The frame should be capable of fixing over head storage as per the frame width. The frames should be joined without any gap as per the configuration. The frame verticals are fabricated in 1.2mm CRCA sheet up to 1200mm heights. For higher heights 1.5mm CRCA sheets will be used where the frames are used for fixing overhead shelves and full height partition up to ceiling. All CRCA sheets will conform to IS – 513.</p> <p>Frames should be provided with anchoring arrangement if required. All the frames are duly powder coated in charcoal black colour or colour of choice to a thickness of 50-60 microns conforming to ASTM B – 117, ISO – 1520 and ISO – 1518 & ASTM D - 2794. The powder coating will be done with NANO Ceramic coating.</p> <p>The Frames should have the design to be attached to form a 2-way, 3-way or a 4-way configuration by means of connecting posts. All frames are fixed with aluminium trims conforming to IS – 733. The top and end trims will be minimum 1.2 mm thick extrusions conforming to IS-733:2017 and ISO -2768-2, EN AW 755-2, EN AW 573-3. These trims are finished in an epoxy powder coating finish. The aluminium trims and MS brackets will be powder coated as per the approved colour. The aluminium trims and MS brackets undergoes 7 step rust resistance pre-treatment process viz degreasing, pickling as per IS standard conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523, ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016. After pre treatment process, the components are NANO coated and pacified for better adhesion of paint as per IS 3618 - 2016. The components are powder coated with epoxy polyester powder to the thickness of 50-60 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish. Product undergoes the following testing process for durability and functionality, cross cut test for ensuring adhesion of powder coating as per IS standard, Salt spray test for ensuring the rust resistance. The connectors to the frames should have Aluminium die cast connectors conforming to IS 742, IS 2600, ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 2014, IS 1608 – 2018. It should be powder coated in matching colour to the trims conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523, ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016.</p> <p>Cable management: The system should have effective Cable management system. The data and the power cables should be at different levels (called Raceways) to maintain the separations as per the IT norms minimum 300 mm apart. The wire management slots in the frames are large enough to manage high volume of data cables (CAT-6) - approx. 40-50 CAT-6 cables. Vertical movement of the cables in addition to the two/ three levels of horizontal passage should be possible. The raceway covers should be designed as "clip on" raceway which permits easy removal and fixing. No screws/nut bolt should be used. The Skirting raceways are 120 mm and the raceways at the table top level are of 120 mm. The length of the raceways will be matching to the frame width. All standard electrical/Data faceplates should be capable of being mounted on the raceways at both the levels. The raceways will be provided with cut outs as per the requirement of the switches/sockets. The switches /sockets to fixed "staggered" to ensure electrical safety. Option of additional raceway should be available to accommodate more cables (if >50 CAT-6 cables) or sockets.</p> <p>Tiles: The tiles will be 6 mm thick. Tiles of different types/ finishes are slid on to the frame grooves. Two such tiles on either side of the frame completes the assembly. The sizes of the tile will be dictated by the height of the system, raceway locations and design. The Fabric Tiles are made in MDF wrapped with fabric. The MDF thickness will be 5.5 mm conforming to E-1 norms. The MDF will be conforming to IS 12406: 2013 and JIS A 5905-2003- IS-12823:2018. • Fabric Tile: Constructed out of 5.5mm thick Medium Density Fiber Board (MDF) conforming to IS – 12406 and covered with Fabric of choice. The fabric used will be conforming to BS EN 1021-1, BS 7176 & ISO 105-802. The glue used for upholstery are made with advanced adhesives conforming to ASTM D 1500, ASTM 1298 standards. Sprayed with upgraded machines to ensure uniformity and best adhesion.</p>			
16	MEETING-TABLE-2	<p>13 PAX Integrate Table Size: 3600L X 12000 x 750Ht mm Specification : Table tops: The table design should have options of different profiles. The top will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL (continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. PVC edge band will be minimum 2 mm thick conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with hot melt Glue conforming to ISO 9001-2008 and certified by ANSI D 4499 for viscosity and thermal stability. The edge band will be done in continuous feed edge band machines for achieving the quality of workmanship. The table top shall also be offered in 40 mm thick at the edges. The Meeting/ conference tables shall be offered in lengths from 1500 – 6000 mm in multiples of 300 mm. The depth varies from 600 – 1500 mm in multiples of 150 mm. Single piece tops shall be offered up to 2700 mm without intermediate support. The table will have joints beyond 2400/2700 mm with suitable supports. Veneer or membrane top option will be made available. Supports: The conference/meeting tables can be supported by the Legs which are built by using high pressure die casting connectors, Specially toolled & specifically designed Oval shape ERW Tube – 16g along with strong Leg bush & levers. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. The Integrate oval tube will also be used as cross beams connecting both ends legs. The design of cross member should be structurally strong to negate use of intermediate leg support. Cable management: Cable Management is a vital requirement in any conference table. (Both data and Power). The cables are accessed by the user by means of "Flip up" boxes provided on the table. The size of the "Flip up" will be available in sizes - 300, 450 and 600 mm depending upon the number of switch/socket required. The cables enter the Flip ups through wire entry channels/vertebra from the floor junction boxes. A cable tray shall be provided below the table for the carriage of cables from one end to the other which facilitates the cable entry into the Flip ups. Should have the capability to accommodate approx. 30-40 CAT-6 cables through the wire entry channels/vertebra. The Flip Ups will be designed to access cables from all three sides. The depth of the cable tray should have options of using standard plugs and "Apple" plugs. The "Flip up" should have design to mount "back to back" for access from either side of the table. There will be option of either powder coated or anodized finish. Avoid Nylon brush or PVC beading. Eubic power track with adaptors Housing with End Cap 2 Mtr Track 2 Data 2 Voice With Connector and 2 adapter considered per meter.</p>			
17	SHELF-3	<p>Storage Size : 750L X 4500 X 1000Ht Specification : The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013 . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT (Pre laminated both sides)- conforming to IS-14587:1998. The handle's will "Finger groove" construction with PVC edge band.</p>			

18	PARTITION-1	<p>PARTITIONS - SITC of partition walls that are portable and similar to walls used at cubicle workstations. Approximate height 2150mm X 900mm Width X 50mm thickness. The frame is to be supported on flat legs as shown for stability and portability. The profile of verticals should be able to slide the tiles thickness of 6 mm. The slot provided should be of size - 150x 25 mm, the slot cut out should made by CNC machines to avoid sharp edges and burr. There will be minimum four horizontal members in each frame- top, middle levels and at the skirting level. The horizontal members will be made from CRCA sheets formed in "C" shape in hydraulic press. The CRCA sheets will be conforming to IS 513: (2008), IS 13871:1993. The horizontal members should be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members will have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members will be CO2 MIG welded conforming to IS 816, ISO 9692- ISO 9693-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 levelling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. the MS bolt will be zinc pacified with insert moulded in PVC shoes.</p> <p>The frames should be available both in vertical and horizontal sizes in multiples of 150 mm. The frame heights should be available from 900 – 2100 mm and width availability from 300 – 1350 mm. The frame should be capable of fixing over head storage as per the frame width. The frames should be joined without any gap as per the configuration. The frame verticals are fabricated in 1.2mm CRCA sheet up to 1200mm heights. For higher heights 1.5mm CRCA sheets will be used where the frames are used for fixing overhead shelves and full height partition up to ceiling. All CRCA sheets will conform to IS – 513.</p> <p>The Frames should have the design to be attached to form a 2-way, 3-way or a 4-way configuration by means of connecting posts. All frames are fixed with aluminium trims conforming to IS – 733.</p>					
19	SOFA-3SEATER	<p>Three seater sofa Size: 1800L x 725D x 860mmH</p> <p>1.Sofa inner frame structure is made from treated solid wood to offer good strength & resistance to termites & best quality webbing belts to have strong, rigid & stable construction & also to offer best durability. At the same time have taken care in design, to ensure it is lighter to handle.</p> <p>2.The PU foam used in Seat & back rest are of 40 density and 32 density respectively</p> <p>3.Seating & backrest angles are ergonomically designed to offer the best seating comfort</p> <p>4.Seat height is normally between 17 to 18 inches and depth is 20-22 inches.</p> <p>5.Sofa is elevated from ground by 2-3 inches using metal powder coated legs fitted with high quality ABS adjustable levellers for ease of cleaning as well as to offer floating look.</p> <p>6.The fabric used for upholstery is 335 Gsm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, it is soft touch feel, high quality fabric to offer the best comfort.</p> <p>7.Sofa can be offered with & without arms based on customer requirement.</p>					
20	TEAPOY-1	<p>Coffee table</p> <p>Size : L: 120cm(L) x 60cm(D) x 47cm(H)</p> <p>Table : The table top is made from Malaysian oak wood, and veneer polish done</p> <p>Under structure: legs are solid wood with black polish.</p>					
21	MEETING-TABLE-3	<p>Chairman's Office Discussion Table Size: 2100L X 1000D x 750Ht mm</p> <p>Specification :</p> <p>Main Table: The table top dimensions will be 2100x 1000x750 mm made in PLB (Pre laminated Fibreboard) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS-14587:1998. Surface: CPL (continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. 2 mm thick PVC edge band will conform to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The top surface will have 30 mm aluminium channel (Z Section) all round the main table at the edges below the top surface. There will be a support pedestal extended by 200 mm on the right side below the main table thus achieving over all dimension of 2300 x1000 mm.</p> <p>The return table will be 1300x550 mm in PLB conforming to IS- 14587:1998. Surface: CPL(continuous pressure laminate) in 0.5mm thickness. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The return table will be connected to the main table by structurally engineered MS connector of thickness 2mm which has undergone zinc passivation conforming to IS:1573 – 1986. Two connectors will be used.</p> <p>Support bracket: The main table and the return table will be supported by 130 mm high aluminium die cast structural bracket designed in "V" shape to withstand at optimum load, made in LM6 (Al-Si12 - EN1706 AC-44100), conforming to BS 1490:1988 LM6. The structural bracket will have suitable design to rest on the support pedestal and the Gable End panel. The aluminium bracket should undergo 7 step rust resistance pre treatment process viz degreasing, pickling as per IS standard. After pre treatment process, the components should be NANO coated and pacified for better adhesion of paint as per IS 3618 - 1996. The pacified components should be powder coated with epoxy polyester powder to the thickness of 50-60 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish. Product should have undergone the following testing process for durability and functionality, cross cut test for ensuring adhesion of power coating as per IS standard, Salt spray test for ensuring the rust resistance pre treatment process as per IS standard.</p> <p>Modesty panel: The table will be provided with Modesty panel connecting the support pedestal and the gable end- size 1420x 450 mm. The modesty will be made in PLT(laminated both sides) 18 mm thick conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. The modesty have 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The modesty will be fixed with Mini fix 150 mm below the table. The mini fix will be spaced as per system 32 norms.</p> <p>Support pedestal: The support pedestal size 600(W) x 850(D)x 590(H) will be made in PLB conforming to IS- 14587:1998. The PLB will be 25 mm thick PLT. Pedestal construction will be in three equal drawer box construction made in 12 mm PLT in black finish. Drawer facia will be made of 25mm thick PLB one side pre-laminate board conforming to IS-14587:1998. Drawer telescopic channel will have extension of 450 mm with silver anodised finish. The slides will be cycle tested to BIFMA standards- minimum 50000 times. Drawers will have a soft closing mechanism. The handles will be in aluminium extrusion of length 300 mm fitted to the drawer facia in anodised finish. Pedestals are to be provided with number lock for security.</p> <p>Gable End: The under structure will have on one side gable end support 50 mm thick in PLT(laminated both sides) conforming to E-1 grade as per IS- 12823:1990. The 50 mm thick Gable end shall comprise of 25 mm PLT + 25 mm PLB as per IS: 12823. The edges will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The gable end will support the main table with the aluminium die cast brackets as per the design required conforming to EN 573-3:2009 with alloy 6063 A grade. The aluminium bracket should be powder coated as the required criteria. The other side will be supported by a drawer unit made by 25 mm PLT conforming to IS-12823:1990.</p> <p>The return table will be connected to the main table with MS structurally formed flats. Flats will be zinc pacified. Other end of the return table will be supported by an aluminium die cast structural bracket conforming to EN573-3 2009 with alloy 6063 A grade having good surface finish and high corrosion resistance. The aluminium bracket will be powder coated as per the criteria laid down to 50-60 microns.</p> <p>The structural bracket will be rested on the storage unit. Size- 590(H)x 520(W)x550(D) made in PLT conforming to E-1 grade as per IS- 12823:1990. The storage will have single shutter with slow motion anti slam hinges. The hinges will be nickel plated finish having under good life cycle test as per the BIFMA standards of 20000 cycles and more. Aluminium extruded handles will be 300 mm anodised to 20 microns.</p> <p>Wire management: the main table will be provided with soft closing "Flip up" on the right side above the support pedestal- The "Flip up" will be 300 mm having an aluminium cover with soft closing arrangement and three side accesses for the cables. The "flip up" will be in anodised in silver finish. The "flip up" will be a PVC cable tray for cable management and termination.</p>					
22	SHELF-5	<p>Storage Size : 750L X 450D X 1500Ht</p> <p>Specification :</p> <p>The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT (Pre laminated both sides)- conforming to IS-14587:1998.The handle s will "Finger groove" construction with PVC edge band.</p>					

23	DESK-2-CHAIRMAN	<p>CHAIRMAN'S Table Size: 2100L X 1000D x 750H mm Specification :</p> <p>Main Table: The table top dimensions will be 2100x1000x750 mm made in PLB (Pre laminated Fibreboard) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS-14587:1998. Surface: CPL (continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. 2 mm thick PVC edge band will conform to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The top surface will have 30 mm aluminium channel (Z Section) all round the main table at the edges below the top surface. There will be a support pedestal extended by 200 mm on the right side below the main table thus achieving over all dimension of 2300 x1000 mm.</p> <p>The return table will be 1300x550 mm in PLB conforming to IS- 14587:1998. Surface: CPL (continuous pressure laminate) in 0.5mm thickness. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The return table will be connected to the main table by structurally engineered MS connector of thickness 2mm which has undergone zinc passivation conforming to IS:1573 – 1986. Two connectors will be used.</p> <p>Support bracket: The main table and the return table will be supported by 130 mm high aluminium die cast structural bracket designed in "V" shape to withstand at optimum load, made in LM6 (Al-Si12 - EN1706 AC-44100), conforming to BS 1490:1988 LM6. The structural bracket will have suitable design to rest on the support pedestal and the Gable End panel. The aluminium bracket will be powder coated as per the approved colour. The aluminium bracket should undergo 7 step rust resistance pre-treatment process viz degreasing, pickling as per IS standard. After pre treatment process, the components should be NANO coated and pacified for better adhesion of paint as per IS 3618 - 1996. The pacified components should be powder coated with epoxy polyester powder to the thickness of 50-60 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish. Product should have undergone the following testing process for durability and functionality, cross cut test for ensuring adhesion of power coating as per IS standard, Salt spray test for ensuring the rust resistance pre treatment process as per IS standard.</p> <p>Modesty panel: The table will be provided with Modesty panel connecting the support pedestal and the gable end- size 1420x 450 mm. The modesty will be made in PLT(laminated both sides) 18 mm thick conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823:1990. The modesty have 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The modesty will be fixed with Mini fix 150 mm below the table. The mini fix will be spaced as per system 32 norms.</p> <p>Support pedestal: The support pedestal size 600(W) x 650(D) x 1900(H) will be made in PLB conforming to IS- 14587:1998. The PLB will be 25 mm thick PLT. Pedestal construction will be in three equal drawer box construction made in 12 mm PLT in black finish. Drawer facia will be made of 25mm thick PLB one side pre-laminate board conforming to IS-14587:1998. Drawer telescopic channel will have extension of 450 mm with silver anodised finish. The slides will be cycle tested to BIFMA standards- minimum 50000 times. Drawers will have a soft closing mechanism. The handles will be in aluminium extrusion of length 300 mm fitted to the drawer facia in anodised finish. Pedestals are to be provided with number lock for security.</p> <p>Gable End: The under structure will have on one side gable end support 50 mm thick in PLT(laminated both sides) conforming to E-1 grade as per IS- 12823:1990. The 50 mm thick Gable end shall comprise of 25 mm PLT + 25 mm PLB as per IS. 12823. The edges will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The edge band material should have Shore D hardness of 79± 4. The hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification conforming to ASTM D 4499 standards for viscosity and thermal stability. The gable end will support the main table with the aluminium die cast bracket as per the design required conforming to EN 573-3:2009 with alloy 6063 A grade. The aluminium bracket should be powder coated as the required criteria. The other side will be supported by a drawer unit made by 25 mm PLT conforming to IS-12823:1990.</p> <p>The return table will be connected to the main table with MS structurally formed flats. Flats will be zinc pacified. Other end of the return table will be supported by an aluminium die cast structural bracket conforming to EN573-3:2009 with alloy 6063 A grade having good surface finish and high corrosion resistance.</p> <p>The aluminium bracket will be powder coated as per the criteria laid down to 50-60 microns.</p> <p>The structural bracket will be rested on the storage unit. Size- 590(H) x 520(W) x 50(D) made in PLT conforming to E-1 grade as per IS- 12823:1990. The storage will have single shutter with slow motion anti slam hinges. The hinges will be nickel plated finish having undergone life cycle test as per the BIFMA standards of 20000 cycles and more. Aluminium extruded handles will be 300 mm anodised to 20 microns.</p> <p>Wire management: the main table will be provided with soft closing "Flip up" on the right side above the support pedestal- The "Flip up" will be 300 mm having an aluminium cover with soft closing arrangement and three side accesses for the cables. The "Flip up" will be in anodised in silver finish. The "flip up" will be a PVC cable tray for cable management and termination.</p> <p>The table should have the flexible option of having the return either on the left or right</p>				
24	SHELF-4	<p>Full Height Storage Size : 1000L X 450D X 2400Ht Specification :</p> <p>The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT (Pre laminated both sides)- conforming to IS-14587:1998. The handle s will "Finger groove" construction with PVC edge band.</p>				
25	PANTRY-DESK-1	<p>PANTRY Size : 1200L X 800D X 750 HT Specification: Table top: 25mm thick ISO table top Under-structure: Supported on MS powder coated prong legs with supporting MS beams.</p>				
26	SOFA-1SEATER	<p>Single Seater sofa Size: 600L x 725D x 860mmH</p> <ol style="list-style-type: none"> 1.Sofa inner frame structure is made from treated solid wood to offer good strength & resistance to termites & best quality webbing belts to have strong, rigid & stable construction & also to offer best durability. At the same time have taken care in design, to ensure it is lighter to handle. 2.The PU foam used in Seat & back rest are of 40 density and 32 density respectively 3.Seating & backrest angles are ergonomically designed to offer the best seating comfort 4.Seat height is normally between 17 to 18 inches and depth is 20-22 inches. 5.Sofa is elevated from ground by 2-3 inches using metal powder coated legs fitted with high quality ABS adjustable levers for ease of cleaning as well as to offer floating look. 6.The fabric used for upholstery is 335 Gsm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, it is soft touch feel, high quality fabric to offer the best comfort. 7.Sofa can be offered with & without arms based on customer requirement. 				
27	CUBICLE-3	<p>L-Shape Workstation Size : 1500-1500L X 600D X 1350Ht Specification :</p> <p>Frames: The partition based system will be with main spine in 50 mm thick made by 1.2 mm thick CRCA sheet conforming to IS 513: (2008), IS 13071-1993. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals will have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots will be provided at different heights for fixing tabletop brackets, tiles and shelves. There will be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm, the slot cut out should made by CNC machines to avoid sharp edges and burr. There will be minimum four horizontal members in each frame- top, middle levels and at the skirting level. The horizontal members will be made from CRCA sheets formed in "C" shape in hydraulic press. The CRCA sheets will be conforming to IS 513: (2008), IS 13071-1993. The horizontal members should be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members will have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members will be CO2 MIG welded conforming to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 levelling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. the MS bolt will be zinc pacified with insert moulded in PVC shoes.</p> <p>The frames should be available both in vertical and horizontal sizes in multiples of 150 mm. The frame heights should be available from 900 – 2100 mm and width availability from 300 – 1350 mm. The frame should be capable of fixing over head storage as per the frame width. The frames should be joined without any gap as per the configuration. The frame verticals are fabricated in 1.2mm CRCA sheet up to 1200mm heights. For higher heights 1.5mm CRCA sheets will be used where the frames are used for fixing overhead shelves and full height partition up to ceiling. All CRCA sheets will conform to IS – 513.</p> <p>Frames should be provided with anchoring arrangement if required. All the Frames are duty powder coated in charcoal black colour or colour of choice to a thickness of 50-60 microns conforming to ASTM B – 117, ISO – 1520 and ISO – 1518 & ASTMD - 2794. The powder coating will be done with NANO Ceramic coating.</p> <p>The Frames should have the design to be attached to form a 2-way, 3-way or a 4-way configuration by means of connecting posts. All frames are fixed with aluminium trims conforming to IS – 733. The top and end trims will be minimum 1.2 mm thick extrusions conforming to IS-733:2017 and ISO -2768-2, EN AW 755-2, EN AW 573-3. These trims are finished in an epoxy powder coating finish. The aluminium trims and MS brackets will be powder coated as per the approved colour. The aluminium trims and MS brackets undergoes 7 step rust resistance pre-treatment process viz degreasing, pickling as per IS standard conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523. ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016. After pre treatment process, the components are NANO coated and pacified for better adhesion of paint as per IS 3618 - 2016. The components are powder coated with epoxy polyester powder to the thickness of 50-60 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish. Product undergoes the following testing process for durability and functionality, cross cut test for ensuring adhesion of powder coating as per IS standard, Salt spray test for ensuring the rust resistance. The connectors to the frames should have Aluminium die cast connectors conforming to IS 742, IS 2600, ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 2014, IS 1608 – 2018. It should be powder coated in matching colour to the trims conforming to ASTM D 1186, ASTM D 1737, DIN 5156, IS 2360, IS 101, ASTM D 522, 523. ASTM D3451 – 06, -DIN EN 14901 - DIN EN ISO 9227, IS 3618 – 2016.</p> <p>Cable management: The system should have effective Cable management system. The data and the power cables should be at different levels (called Raceways) to maintain the separations as per the IT norms minimum 300 mm apart. The wire management slots in the frames are large enough to manage high volume of data cables (CAT-6) - approx- 40-50 CAT-6 cables. Vertical movement of the cables in addition to the two/ three levels of horizontal passage should be possible. The raceway covers should be designed as "clip on" raceway which permits easy removal and fixing. No screws/nut bolt should be used. The Skirting raceways are 120 mm and the raceways at the table top level are of 120 mm. The length of the raceways will be matching to the frame width. All standard electrical/Data faciplates should be capable of being mounted on the raceways at both the levels. The raceways will be provided with cut outs as per the requirement of the switches/sockets. The switches /sockets to fixed "staggered" to ensure electrical safety. Option of additional raceway should be available to accommodate more cables (if 50 CAT-6 cables) or sockets.</p> <p>Tiles: The tiles will be 6 mm thick. Tiles of different types/ finishes are slid on to the frame grooves. Two such tiles on either side of the frame completes the assembly. The sizes of the tile will be dictated by the height of the system, raceway locations and design. The Fabric Tiles are made in MDF wrapped with fabric. The MDF thickness will be 5.5 mm conforming to E-1 norms. The MDF will be conforming to IS 12406: 2013 and JIS A 5905-2003- IS-12823:2018.</p> <p>+ Fabric Tile: Constructed out of 5.5mm thick Medium Density Fiber Board (MDF) conforming to IS – 12406 and covered with Fabric of choice. The fabric used will be conforming to BS EN 1021-1, BS 7176 & ISO 105-802. The glue used for upholstery are made with advanced adhesives conforming to ASTM D 1500, ASTM D 2998 standards. Sprayed with upgraded machines to ensure uniformity and best adhesion.</p> <p>+ Laminated Table: Constructed out of 5mm thick Pre laminated board conforming to IS - 12406</p>				
28	SHELF-7	<p>Storage Size : 1200L X 450D X 750Ht Specification :</p> <p>The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT (Pre laminated both sides)- conforming to IS-14587:1998. The handle s will "Finger groove" construction with PVC edge band.</p>				

29	MEETING-TABLE-5	<p>•Board Room table: Sizes- Size – MT-2400L X 600D Addon Table 1650L X 600D Specification : The table top will be made in PLB(Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 and approved shade conforming to IS-12823:1990. The tables will be edge banded in 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The edge band material should have Shore D hardness of 79± 4. The table will be supported by 18 mm thick PLT gable ends either side. Under structure: The Board room table will be supported by 25 mm thick PLT(pre laminated both sides) gable end with matching PVC Edge banding. The PLT with the density of 680kg/m³ and 25 mm thick two sides pre-laminate board conforming to IS-14587:1998. The PLT will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade - Both the gable end supports will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The PVC edge band material should have Shore D hardness of 79± 4. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The gable ends will be fixed 300 mm inside from the ends. The gable ends will be connected by two PLT 18 mm thick modesty panels 300 mm from the front and rear edges in grey finish with mini fix hardware. The mini fix will be spaced as per system 32. The modesty will be fixed 150 mm inside from the edge of the table. The table will be provided with wire management "Grommet/ Flip up" at the centre with switches/sockets. The flip cover should have open access for the cables. The table will be provided with wire entry covers from the floor trunks which will be fitted in between the modesty panels.</p>				
30	MEETING-TABLE-4	<p>•Board Room table: Sizes- Size – MT-2400L X 750D Addon Table 1300L X 750D Specification : The table top will be made in PLB(Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 and approved shade conforming to IS-12823:1990. The tables will be edge banded in 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The edge band material should have Shore D hardness of 79± 4. The table will be supported by 18 mm thick PLT gable ends either side. Under structure: The Board room table will be supported by 25 mm thick PLT(pre laminated both sides) gable end with matching PVC Edge banding. The PLT with the density of 680kg/m³ and 25 mm thick two sides pre-laminate board conforming to IS-14587:1998. The PLT will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade - Both the gable end supports will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The PVC edge band material should have Shore D hardness of 79± 4. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The gable ends will be fixed 300 mm inside from the ends. The gable ends will be connected by two PLT 18 mm thick modesty panels 300 mm from the front and rear edges in grey finish with mini fix hardware. The mini fix will be spaced as per system 32. The modesty will be fixed 150 mm inside from the edge of the table. The table will be provided with wire management "Grommet/ Flip up" at the centre with switches/sockets. The flip cover should have open access for the cables. The table will be provided with wire entry covers from the floor trunks which will be fitted in between the modesty panels.</p>				
31	PRINTERDESK-1	<p>PRINTER TABLE Size : 1200L X 800D X 750 Ht Specification: Table top: 25mm thick ISO table top Under-structure: Supported on MS powder coated prong legs with supporting MS beams.</p>				
32	MEETING-TABLE-6	<p>5 Seater Meeting Table Size : 2100 L X 1050 D X 750 HT Main Leg Assembly:</p> <ul style="list-style-type: none"> • The MS supports are made of 50 x50mm square ERW tubes - 16g with levelers to cater for floor undulations - +/- 20 mm. ERW Tube conforming to IS 4923: 1997 – 16g. Main leg members will be connected through a horizontal member size 1.6mm thick, 50x25 cold formed ERW tube conforming to IS 4923: 1997. The vertical and the horizontal tubes will be welded with CO2 MIG welding process conforming to IS 816 and ISO 9692-2. The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. • The legs will be connected with Cross beams to take care of the bending stress catering up to 1800 mm length and up to 900 mm depth of the work surface. • The number of cross beams will be based on the depth of the table. The Cross Beams are made of 40x20 mm ERW tubes- 16 g. The cross beams will be connected to the legs with specially designed Aluminium Die Cast connectors by using HI Tensile Allen bolts as per the design. High pressure aluminium die cast connectors are of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. • The Legs shall be offered in two different designs- Straight and tapered. Straight legs should be used for non-Shearing work stations and for cabin table design. Option of using tapered legs will be made available as per the design requirement. • The Engineering plastic components will be made with Acrylonitrile butadiene styrene (ABS) which are conforming to ASTM D256 for Izod Impact (1/4") for Leg shoe and levelers. • The spacers are fitted to the main leg to give a floating look as well to support the table top. The spacers will be made of Polycarbonate (PC). <p>Intermediate Leg:</p> <ul style="list-style-type: none"> • The intermediate leg (where two tables are joined) will be designed to provide adequate leg room while working. The leg vertical will be constructed using 1.6mm thick 60 x 40 mm rectangle and a beam connecting the verticals will be in 40x40 mm square ERW tubes conforming to IS 4923: 1997. • The leg will be fabricated using Argon & Co2 gas mixture on a Robotic welding machine to ensure adequate welding strength with consistency. • The legs will be provided with M8 levelers for adjustments up to ± 20 mm. • Polycarbonate (PC) for spacers will have floating look as well to support the table top, are fixed to the leg, thus forms the under structure of workstation. • The intermediate leg will be connected to main legs through cross beam connectors using high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. • Intermediate legs shall have the design to accommodate cable management system from the floor trunks with cable separators for both tray and vertical wire raceways. <p>Cross Beam:</p> <ul style="list-style-type: none"> • Cross beams should be part of the design to give under structure support for the work surface. Each cross beam will be connected to the main leg, to intermediate leg through high pressure aluminium die cast connectors of ADC-12 material conforming to ASTM E 1251-2011, IS 7658-1990 & IS 11035 – 1190 for chemical composition and IS 1608 – 2005 for UTS & Ys. The design of aluminium die cast connectors should be capable of connecting the end legs and end leg to intermediate legs. • The Cross Beams are made of 1.60mm thick 40x20 ERW tubes conforming to IS 4923: 1997. The cross-beam design should be compatible/ flexible to other leg designs. <p>Work surfaces: The work surface will be in PLB 25mm thick one side pre-laminate board conforming to IS-14587:1998. The density of PLB will be 680kg/m³. Surface: CPL(continuous pressure laminate) in 0.5mm thickness in melamine finish. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade conforming to IS-12823: 1990.PVC edge band will be minimum 2 mm thick, will be imported, quality conforming to DIN 68861, 53388 standards. The edge band will be fixed to the work surface edges all round with Imported Hot melt Glue conforming to ISO 9001- 2008 and certified by ANSI for quality. The edge band will be done in imported continuous feed edge band machines for maintaining the quality of workmen ship. Wide range of laminate finish will be made available as per architect's choice. Cable Management: Cable Management is a vital requirement in any conference table. (Both data and Power). The cables will be accessed by means of "Flip up" boxes provided on the table. The size of the "Flip up" will depend upon the number of switch/socket required. The standard size will be 300, 450 and 600 mm. Soft closing access flap with in built springs has to be provided on work surface for cable management. The "Flip up" should have the flaps for accessing cable from three direction. Each flaps height should be provided.</p>				
33	SHELF-6	<p>Full Height Storage Size : 900L X 450D X 900Ht Specification : The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT(Pre laminated both sides)- conforming to IS-14587:1998. The handle s will "Finger groove" construction with PVC edge band.</p>				
34	MEETING-TABLE-7	<p>•Board Room table: Sizes- Size – MT-2000L X 600D Addon Table 1100L X 600D Specification : The table top will be made in PLB(Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 and approved shade conforming to IS-12823:1990. The tables will be edge banded in 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The edge band material should have Shore D hardness of 79± 4. The table will be supported by 18 mm thick PLT gable ends either side. Under structure: The Board room table will be supported by 25 mm thick PLT(pre laminated both sides) gable end with matching PVC Edge banding. The PLT with the density of 680kg/m³ and 25 mm thick two sides pre-laminate board conforming to IS-14587:1998. The PLT will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade - Both the gable end supports will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The PVC edge band material should have Shore D hardness of 79± 4. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The gable ends will be fixed 300 mm inside from the ends. The gable ends will be connected by two PLT 18 mm thick modesty panels 300 mm from the front and rear edges in grey finish with mini fix hardware. The mini fix will be spaced as per system 32. The modesty will be fixed 150 mm inside from the edge of the table. The table will be provided with wire management "Grommet/ Flip up" at the centre with switches/sockets. The flip cover should have open access for the cables. The table will be provided with wire entry covers from the floor trunks which will be fitted in between the modesty panels.</p>				

35	TEAPOY-3	<p>TEAPOY Size : 1350L X 900D X 750 Ht Specification: Table top: 25mm thick Pre-laminate particle board E1 norms finished with 2mm pvc edge banding. Under-structure: Supported on MS powder coated Straight legs with supporting MS beams.</p>					
36	SHELF-8	<p>Pantry Shelf Size : 1600mmL X 400mm D X 1600mm Ht Specification: SITC of glass shuttered pantry shelf of the above mentioned dimensions with glass doors to house pantry materials. Wooden frame to be of standard 19mm laminated plywood pr PLB.</p>					
37	SHELF-8-CUST	<p>Over Head Wall mounting Storage TOTAL Size : 5000 mm L X 350 mm D X 1200 mm Ht Specification : The storage will be made in 18 MM PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013 . The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade shutters conforming to IS-12823:1990 and fitted by hinges. The storage will have a back panel made in 18 mm PLT (Pre laminated both sides)- conforming to IS-14587:1998.The handle s will "Finger groove" construction with PVC edge band. Mounted with necessary MS powder coated brackets. Furniture can be made in smaller sized units and assembled together to reach the above mentioned dimensions and functionality.</p>					
38	MEETING-TABLE-8	<p>*Board Room table Size – MT-2250L X 750D Addon Table 1500L X 750D Specification : The table top will be made in PLB (Pre laminated board) with the density of 680kg/m³ and 25mm thick one side pre-laminate board conforming to IS 12406 : 2013. The PLB will be conforming to E-1 Grade as per the JIS A 5905-2003 and approved shade conforming to IS-12823:1990. The tables will be edge banded in 2 mm thick PVC edge band conforming to DIN 68861 for resistance to clearers. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The edge band material should have Shore D hardness of 79± 4. The table will be supported by 18 mm thick PLT gable ends either side. Under structure: The Board room table will be supported by 25 mm thick PLT (pre laminated both sides) gable end with matching PVC Edge banding. The PLT with the density of 680kg/m³ and 25 mm thick two sides pre-laminate board conforming to IS-14587:1998.The PLT will be conforming to E-1 Grade as per the JIS A 5905-2003 standards and approved shade - Both the gable end supports will have 2 mm PVC edge band conforming to DIN 68861 for resistance to clearers. The PVC edge band material should have Shore D hardness of 79± 4. The Hot melt glue used for fixing the PVC edge band should have ISO 9001- 2015 quality certification and confirm to ASTM D 4499 standards for viscosity and thermal stability. The gable ends will be fixed 300 mm inside from the ends. The gable ends will be connected by two PLT 18 mm thick modesty panels 300 mm from the front and rear edges in grey finish with mini fix hardware. The mini fix will be spaced as per system 32. The modesty will be fixed 150 mm inside from the edge of the table. The table will be provided with wire management "Grommet / Flip up" at the centre with switches/sockets. The flip cover should have open access for the cables. The table will be provided with wire entry covers from the floor trunks which will be fitted in between the modesty panels.</p>					
39	LAB-STOOL	<p>Stool * 450 Dia Rubber Wood top * Height Adjustable with Powder coated teller base with bush.</p>					

Annexure-2:

Details of the Purchase Orders executed of 3 orders during the last 4 financial years of similar type of projects, with at least one order being Rs 1.5 Crores and above

SI No	Order Number and date	Items	Value	Name of Organization	Contact Person Name and Designation	Contact Details with E-mail	Date of Completion

Enclose copy of purchase order and corresponding order completion certificate.

(Signature of the Bidder)

Printed Name

Annexure-3:

Declaration regarding experience

To,

The Dean
CHEMICAL SCIENCES DIVISION
Indian Institute of Science
Bengaluru-560012

Ref:

Tender No:

Dated:

Tender for Supply and Installation of Furniture for Faculty Office, Admin Offices, Discussion/Board Rooms, Student Work Areas at IISc

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has more than five years of experience in fabricating, supplying and installing modular furniture to Central/State Govt. Departments/ PSUs/Banks/ reputed IT and other establishments.

Yours faithfully

(Signature of the Bidder)

Printed Name

Designation, Seal

Date :

Annexure-4:

Declaration regarding clean track by bidder

To,

The Dean
CHEMICAL SCIENCES DIVISION
Indian Institute of Science
Bengaluru-560012

Ref:

Tender No:

Dated:

Tender for Supply and Installation of Furniture for Faculty Office, Admin Offices, Discussion/Board Rooms, Student Work Areas at IISc

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has not been debarred / black listed by any Government / Semi Government Organizations / Institutions in India or abroad. I further certify that I'm competent officer in my company / firm to make this declaration.

Or

I declare the following

No	Country in which the company is debarred /blacklisted / case is pending	Black listed / debarred by Government / Semi Government/Org	Reason	Since when and for how long

Yours faithfully

(Signature of the Bidder)
Printed Name

Designation, Seal

Date :

Annexure – 5:

Declaration for acceptance of terms and conditions

To,
The Dean
CHEMICAL SCIENCES DIVISION
Indian Institute of Science
Bengaluru-560012

Ref:

Tender No:

Dated:

Tender for Supply and Installation of Furniture for Faculty Office, Admin Offices, Discussion/Board Rooms

Sir,

I've carefully gone through the Terms & Conditions mentioned in the above referred RFP document. I declare that all the provisions of this RFP are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Printed Name

Designation, Seal

Date :

Tender No: CHEMSCI/FURNITURE/2021/03-06

Dt: 03 JUNE 2021

**Supply and Installation of Furniture for Faculty Office, Admin
Offices, Discussion/Board Rooms, Student Work Areas at IISc**

Section 6: COMMERCIAL BID

Indian Institute of Science, Bengaluru-560012

	SOFA-3SEATER	2	1	2												
	TEAPOY-1	1	1	1												
	SHELF-1	1	1	1												
	SHELF-8	1	1	1												
	CUBICLE-1-L	4	1	4												
	SHELF-6	18	1	18												
	SHELF-8-CUST	1	1	1												
	SHELF-7	4	1	4												
	MEETING-TABLE-8	1	1	1												
	PEDESTAL-1	4	1	4												
Laboratory Stools	LAB-STOOL	400	1	400												

TOTAL WITH GST -

SECTION 7 – CHECK LIST

(This sheet should also be enclosed)

The following items must be checked before the Bid is submitted:

1 Technical Bid

a) MSME certificate

b) Section 5 Technical Bid (each pages duly sealed and signed by the authorized signatory)

Annexure 1: Bidders details

Annexure 2: Details of purchase orders

Annexure 3: Declaration regarding experience

Annexure 4: Declaration regarding clean track

Annexure 5: Declaration for acceptance of tender terms and conditions

c) Copy of this tender document duly sealed and signed by the authorized signatory on every page.

d) Checklist

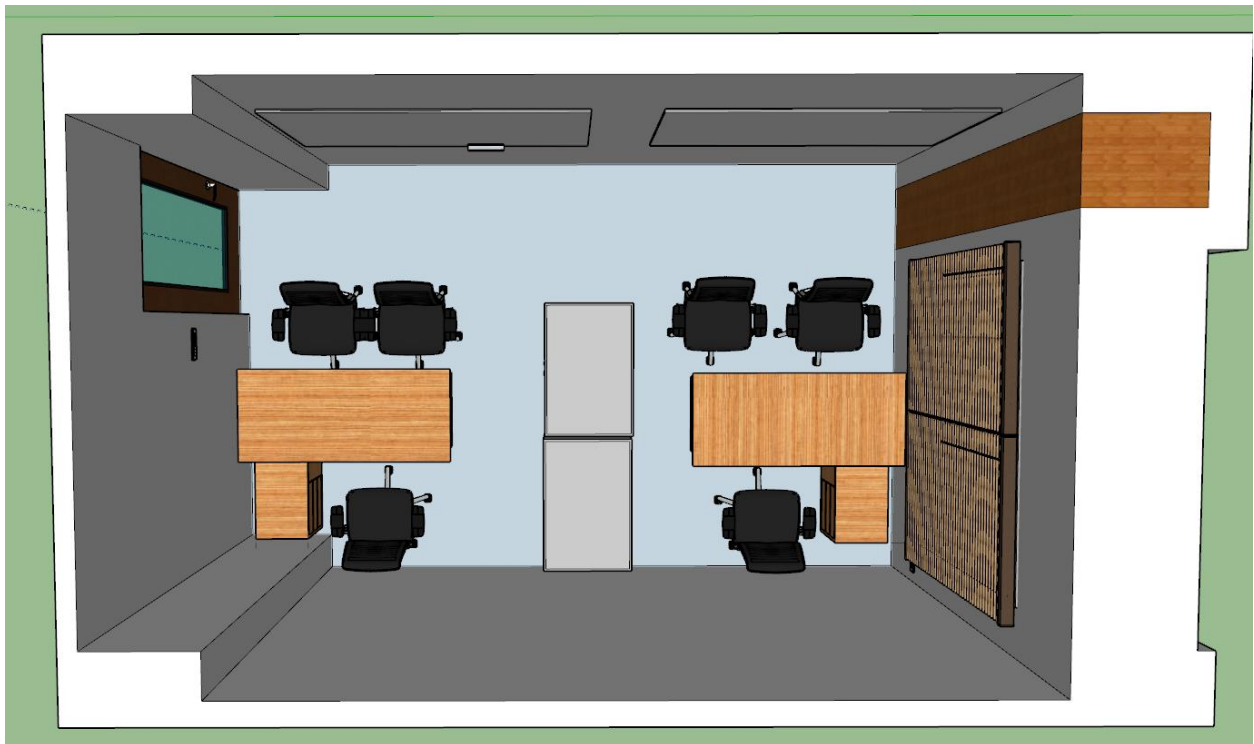
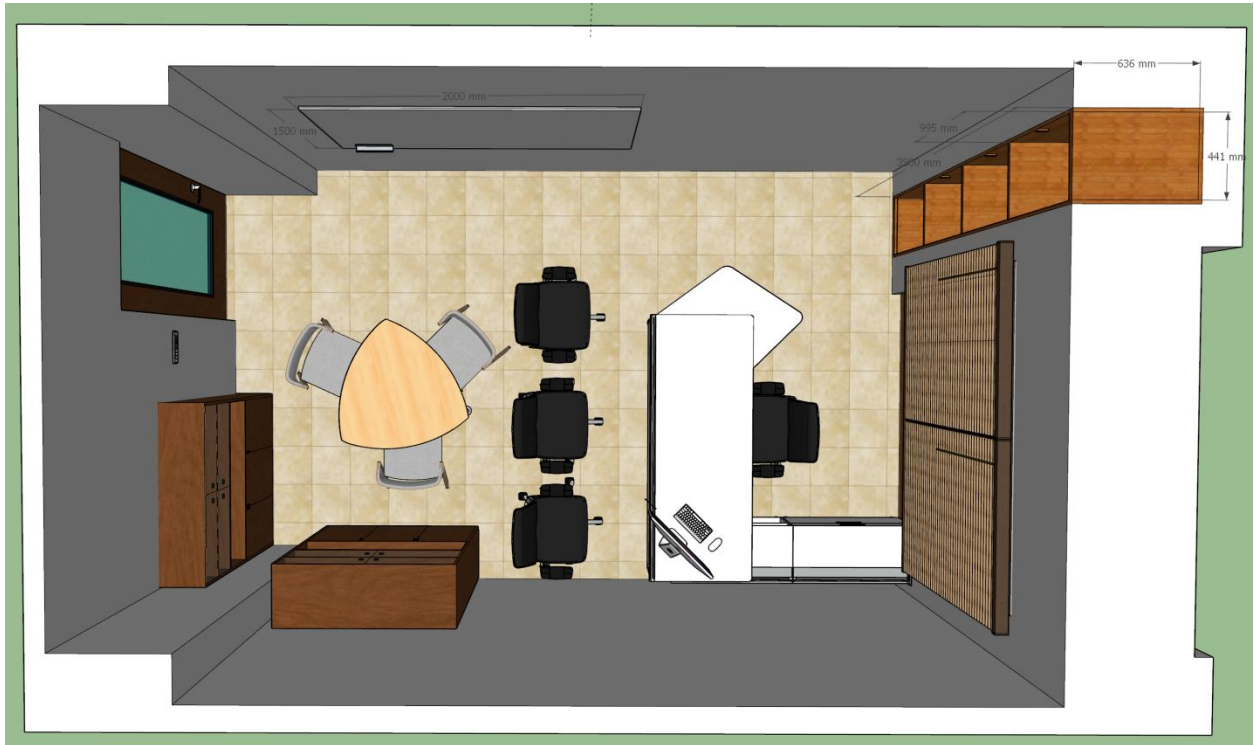
2 Commercial Bid

Section 6: Commercial Bid: (Price to be quoted in Indian Rupees INR)

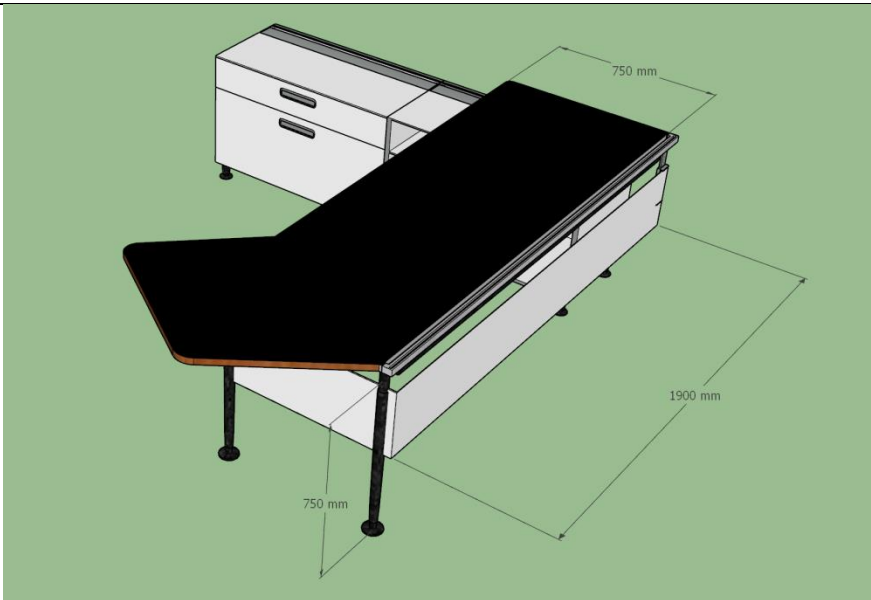

Your quotation must be submitted in a sealed envelope with both **Technical Bid and Commercial Bid super scribing the Tender no. and due date**

Furniture Images and Code

Faculty Room and Shared Faculty Room

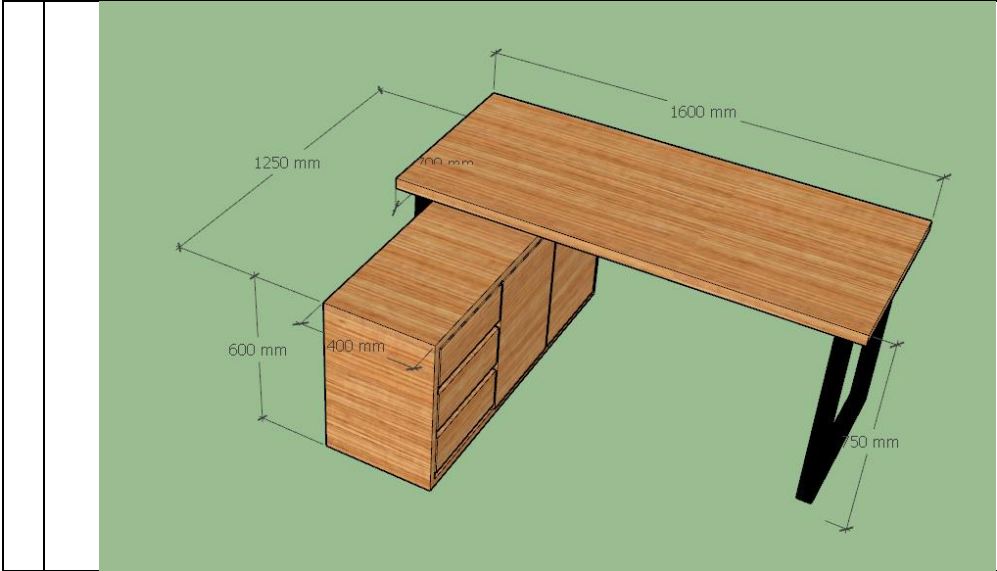


Individual Furniture Components

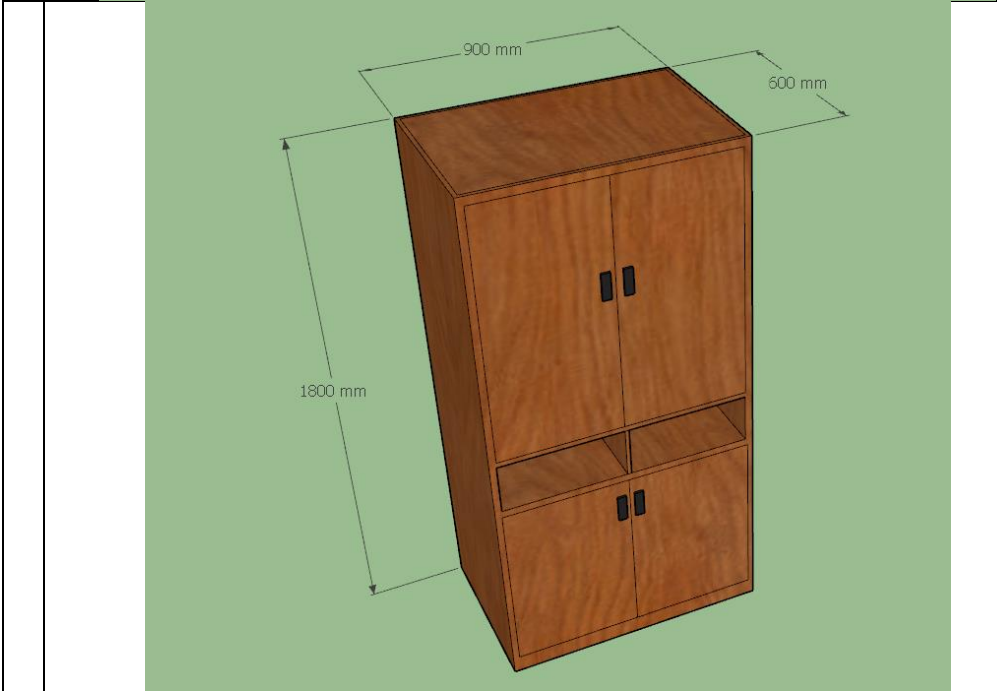
	 <p>A 3D perspective drawing of a white desk with a black top and a cabinet. The desk has a black top and a white cabinet with two drawers. The dimensions are: 750 mm depth, 1900 mm length, and 750 mm height.</p>	DESK-1-FACULTY
	 <p>A 3D perspective drawing of a brown wooden shelf unit. The unit has a top shelf, two middle shelves, and a bottom cabinet with two doors. The dimensions are: 1200 mm width, 420 mm depth, and 1950 mm height.</p>	SHELF-1



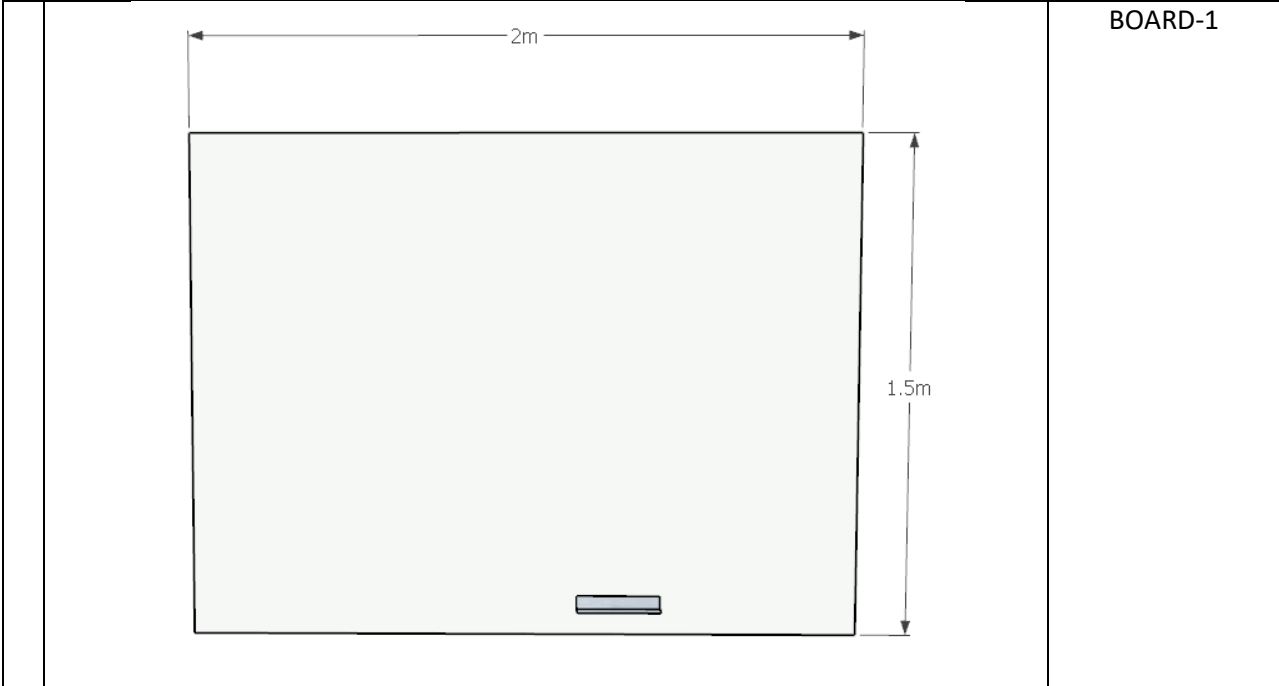




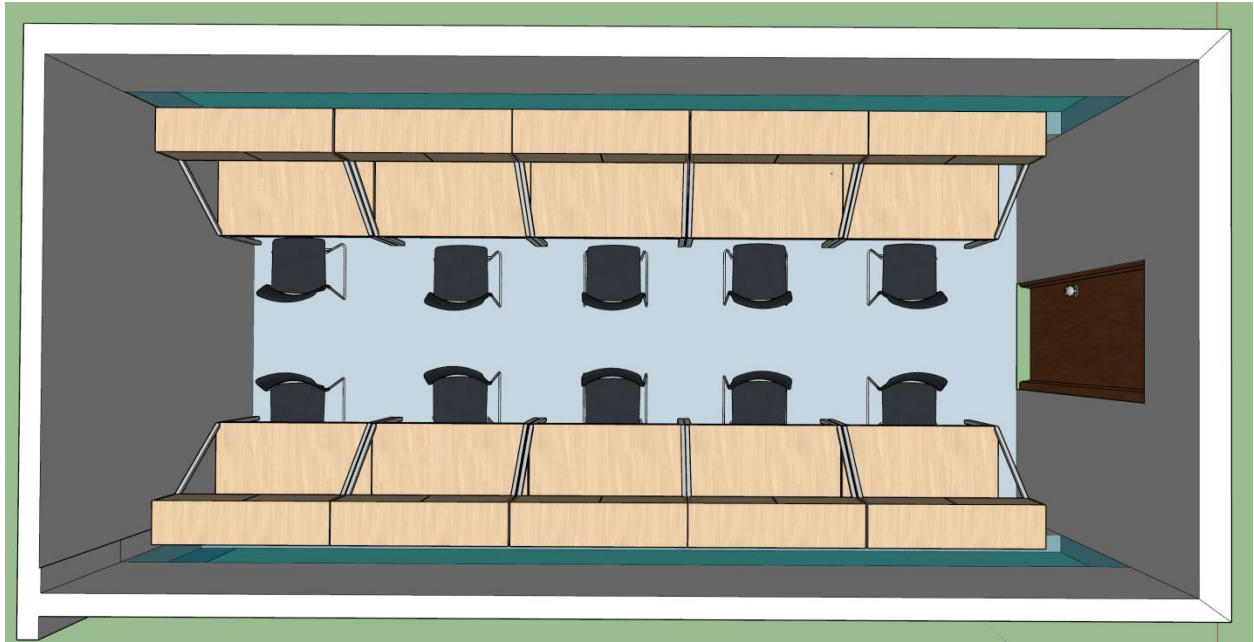
**DESK-1-
FACULTYSHARED**



SHELF-2

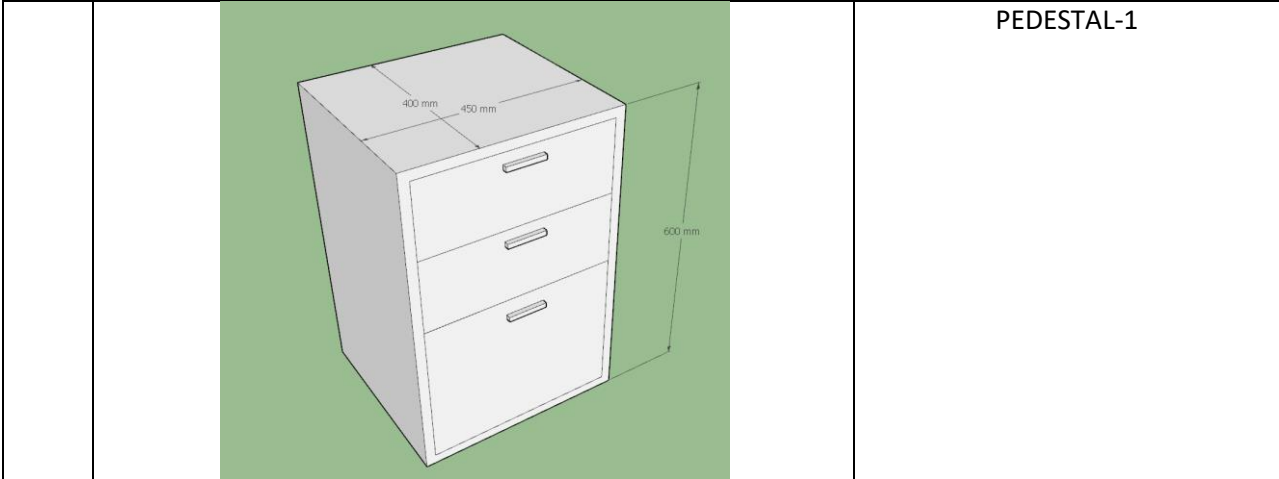


Student Experiment Labs



Individual Furniture Components and Code

	A technical drawing of a desk component, labeled 'DESK-EXPERIMENT-1'. The drawing shows a perspective view of the desk against a green background. The desk has a light-colored wooden top and a white metal frame with diagonal bracing. The dimensions are: 400 mm for the height of the desk top, 300 mm for the depth of the desk top, 750 mm for the height of the desk seat, 750 mm for the width of the desk seat, and 1200 mm for the length of the desk seat. The desk is supported by four legs, with the front legs being angled outwards.	<p>DESK-EXPERIMENT-1</p>
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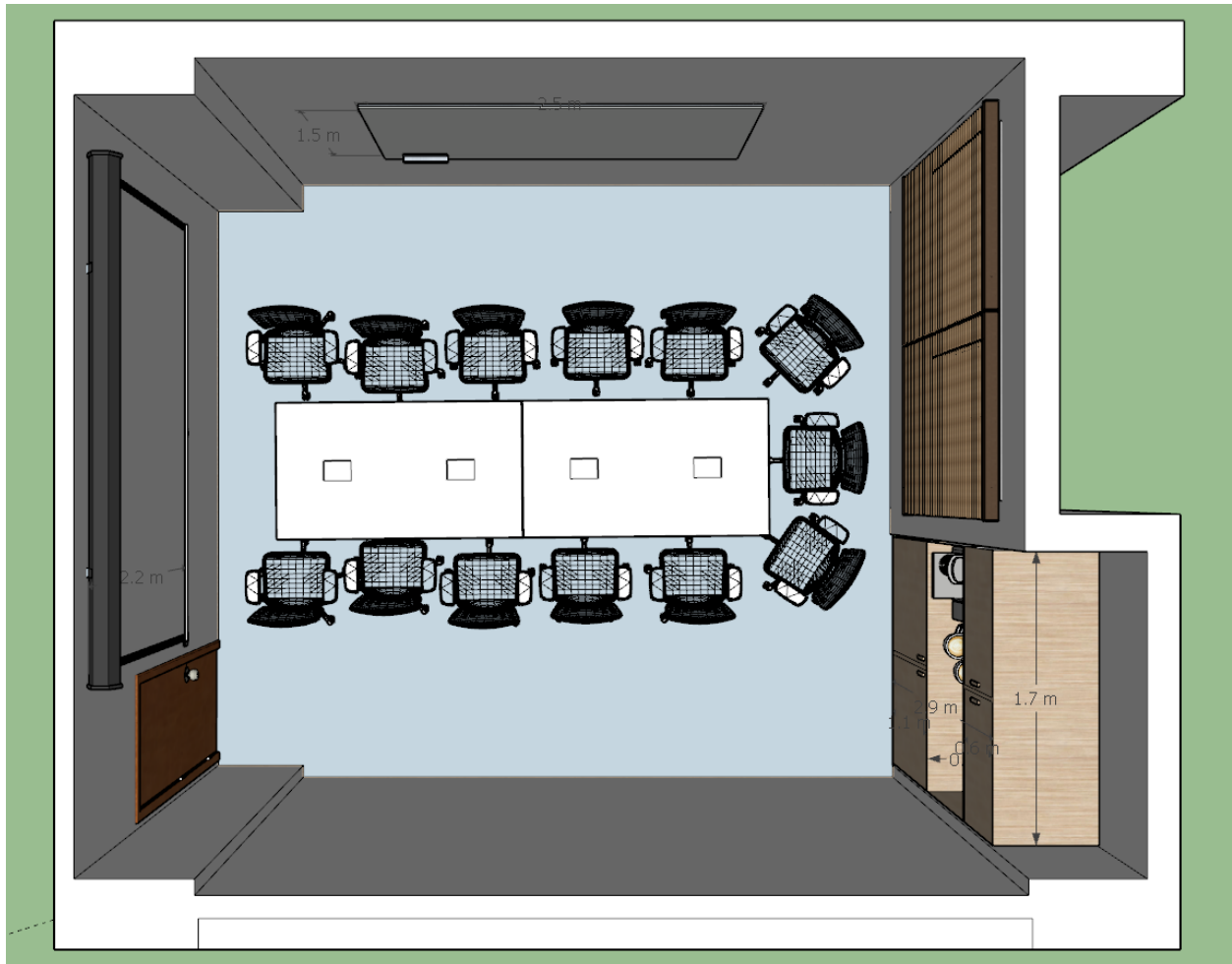


PEDESTAL-1


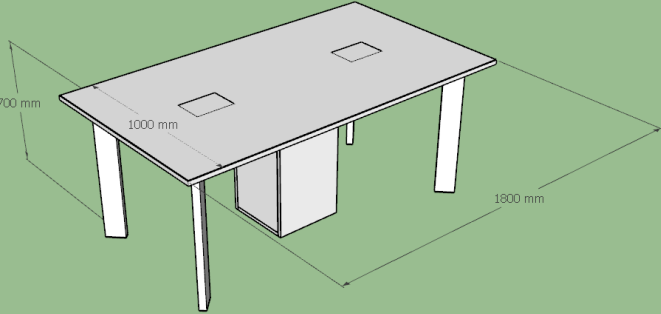
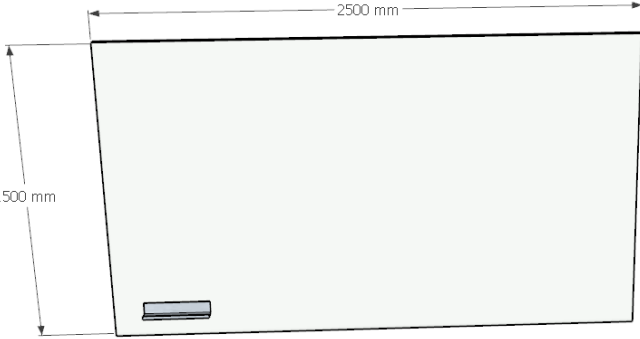


CHAIR-MB-1

STUDENT DISCUSSION ROOM



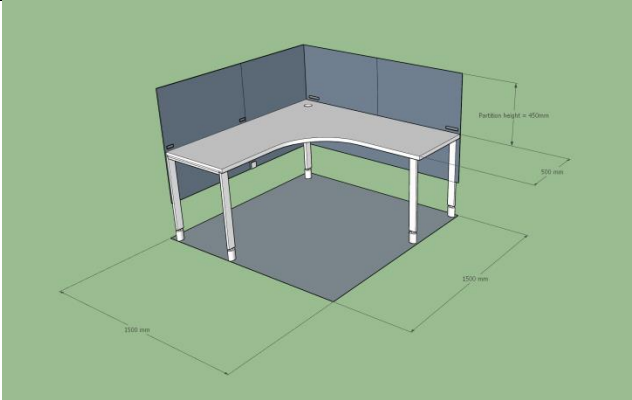
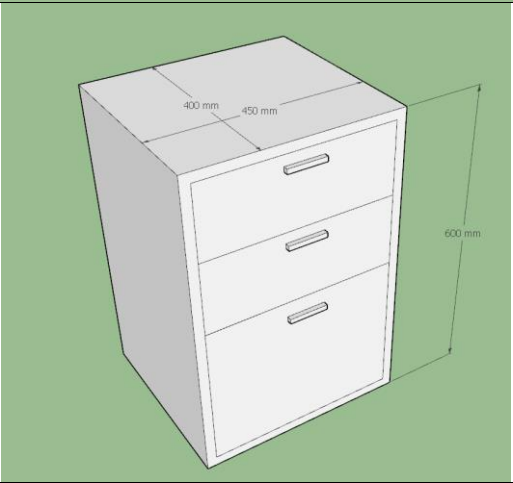
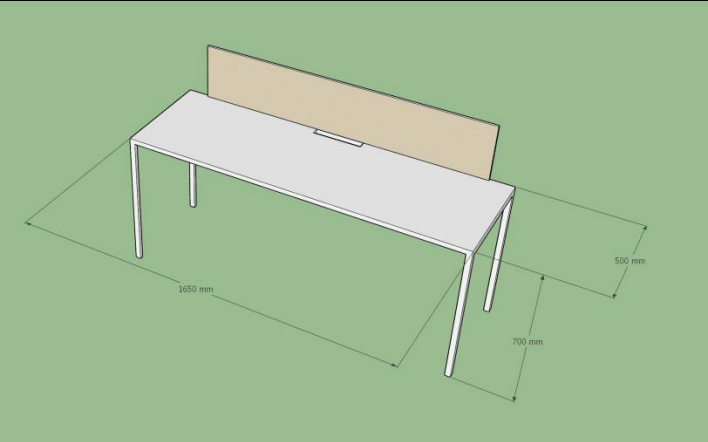
Individual Furniture Components and Code

		<p>CHAIR-MB-2</p>
		<p>MEETING-TABLE-1</p>
		<p>BOARD-1</p>

Theory Labs (X 2 floors)

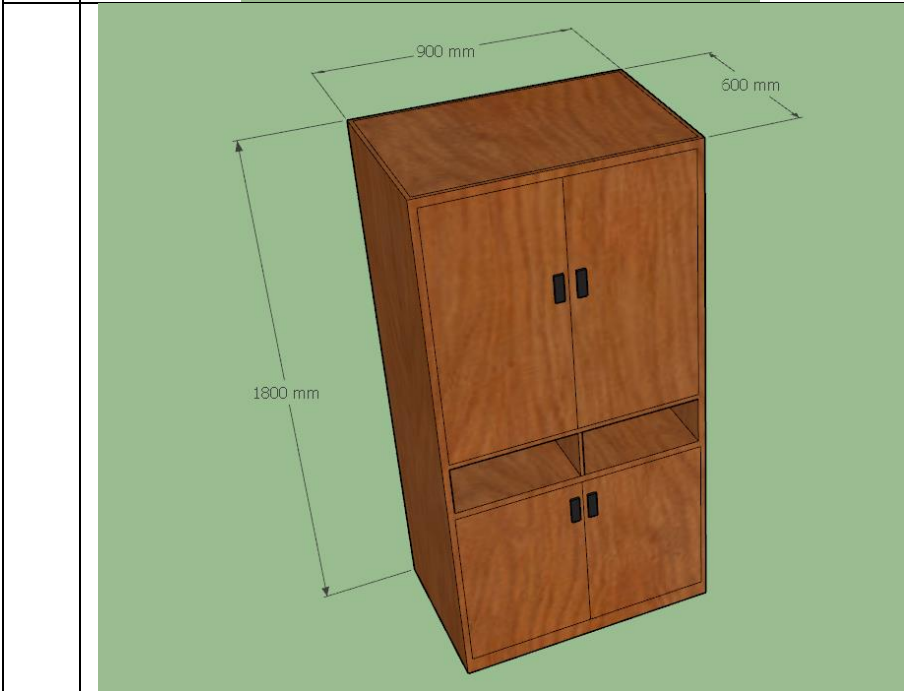


Individual Furniture Components and Code

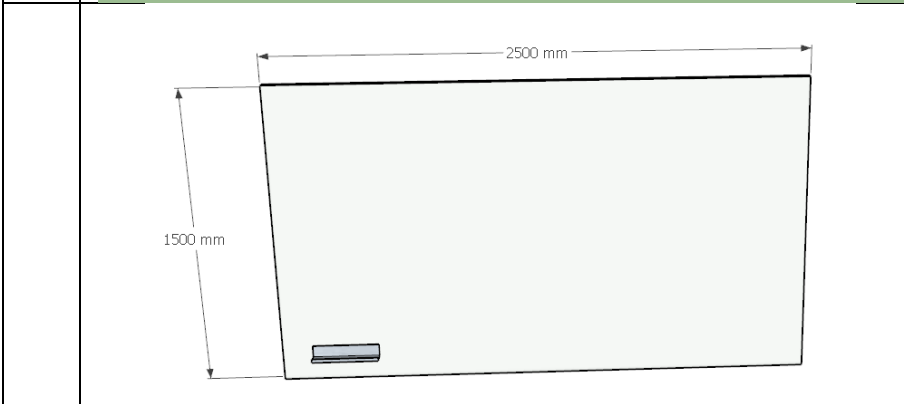
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		<p>PEDESTAL-1</p>
		<p>CUBICLE-1-S</p>



CHAIR-MB-2



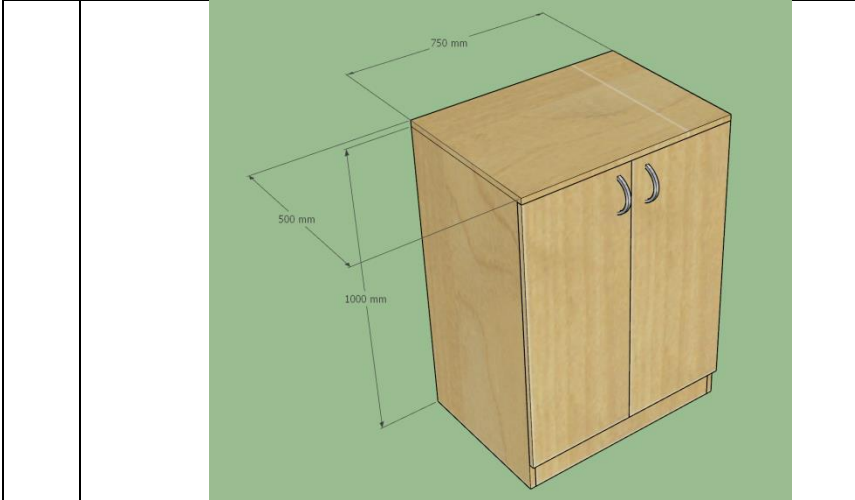
SHELF-2



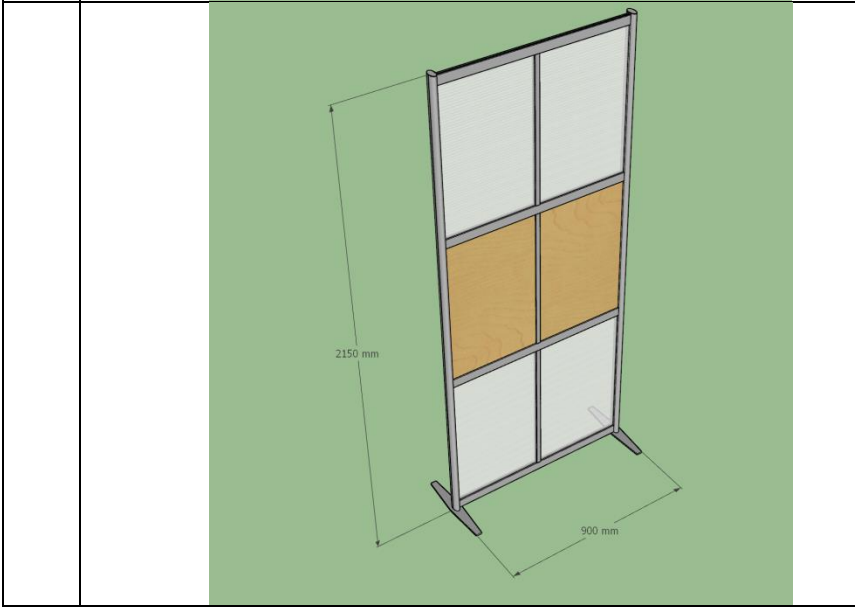
BOARD-1



MEETING-TABLE-2



SHELF-3



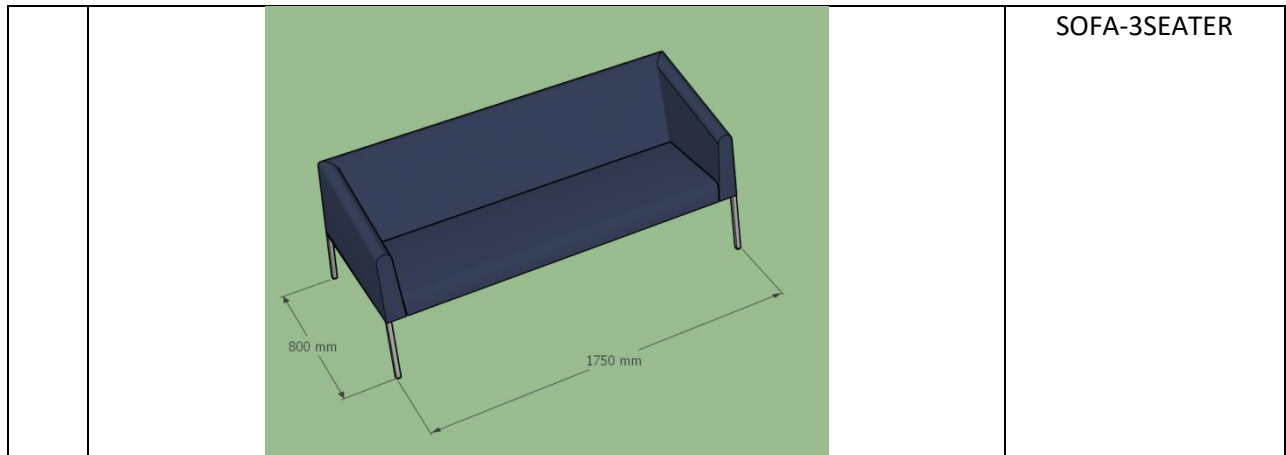
PARTITION-1

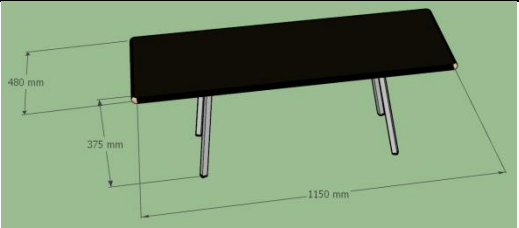
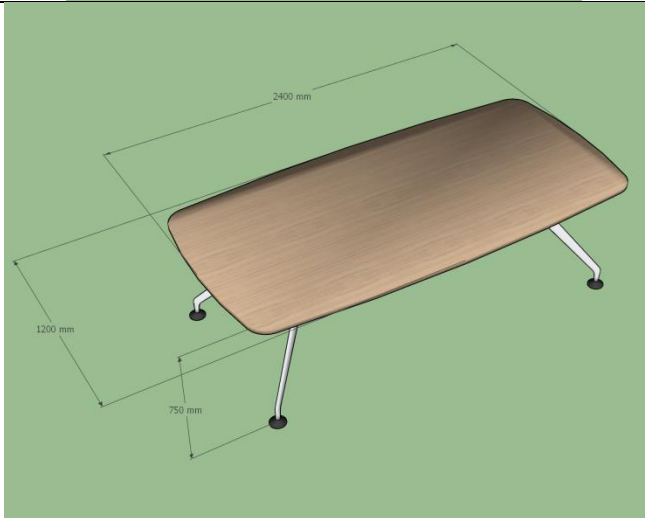

DEPARTMENT OFFICES

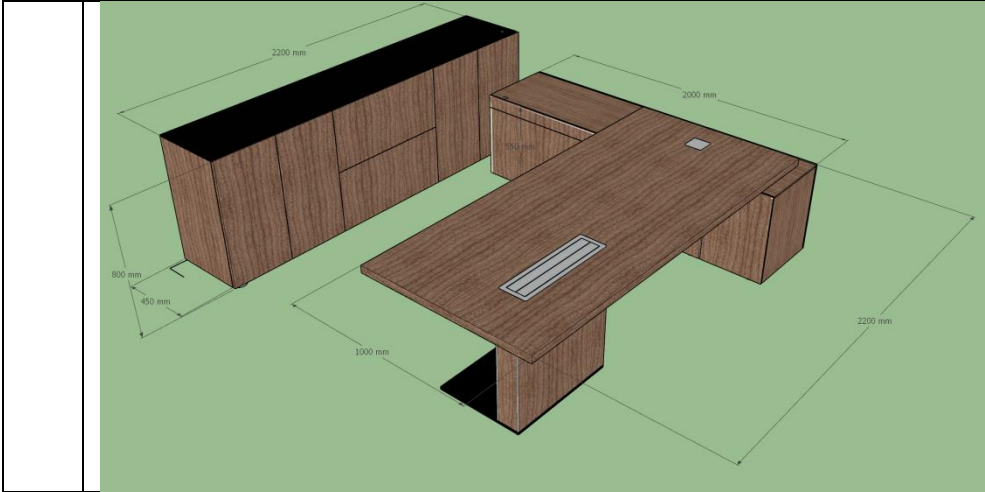
IPC Office



Individual Furniture Components and Code



			TEAPOY-1
			MEETING-TABLE-3
			SHELF-5



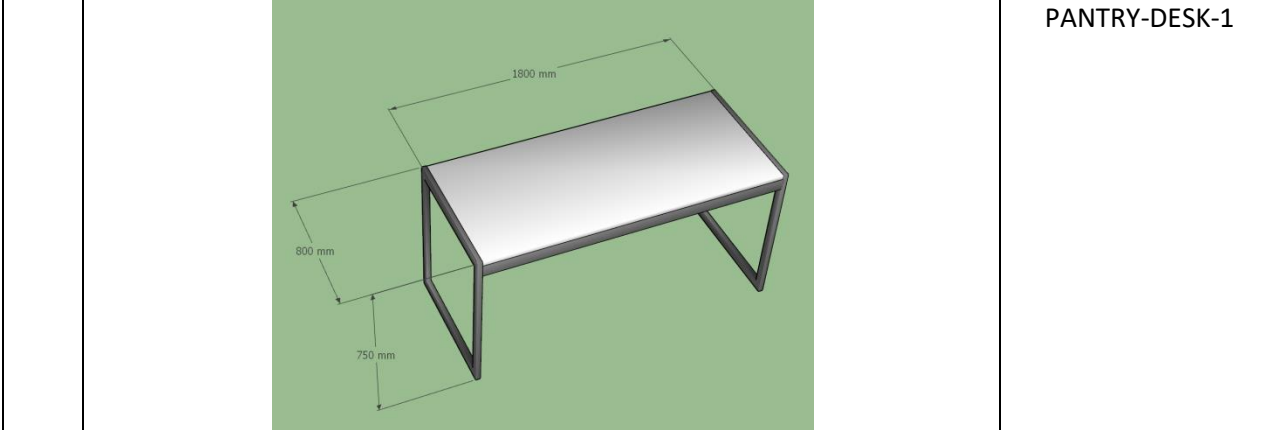
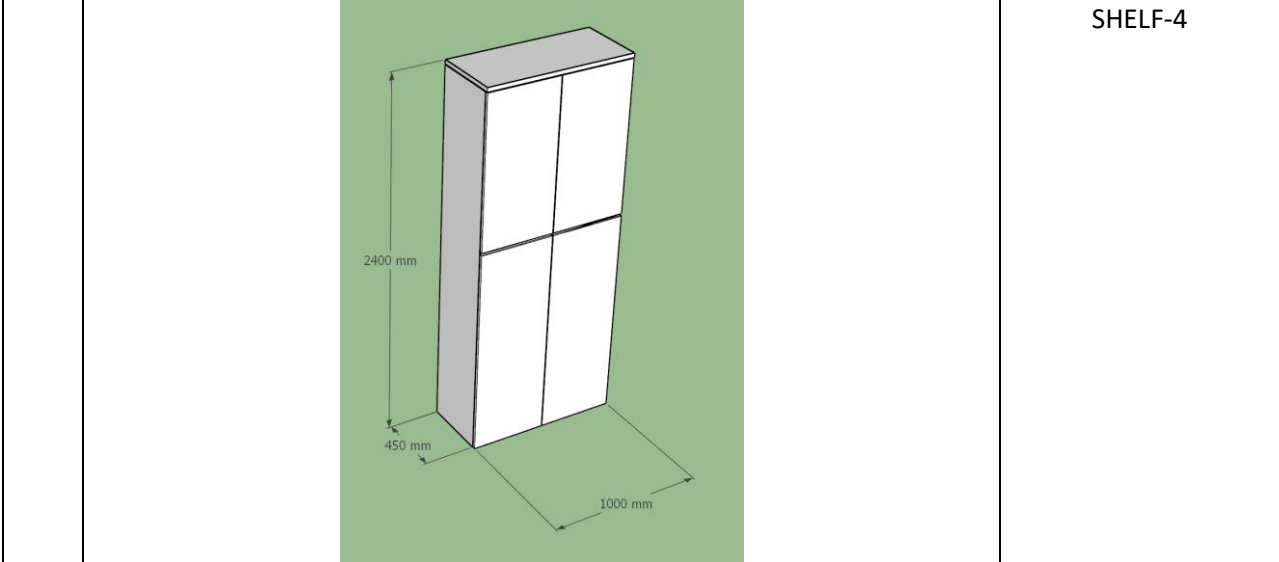
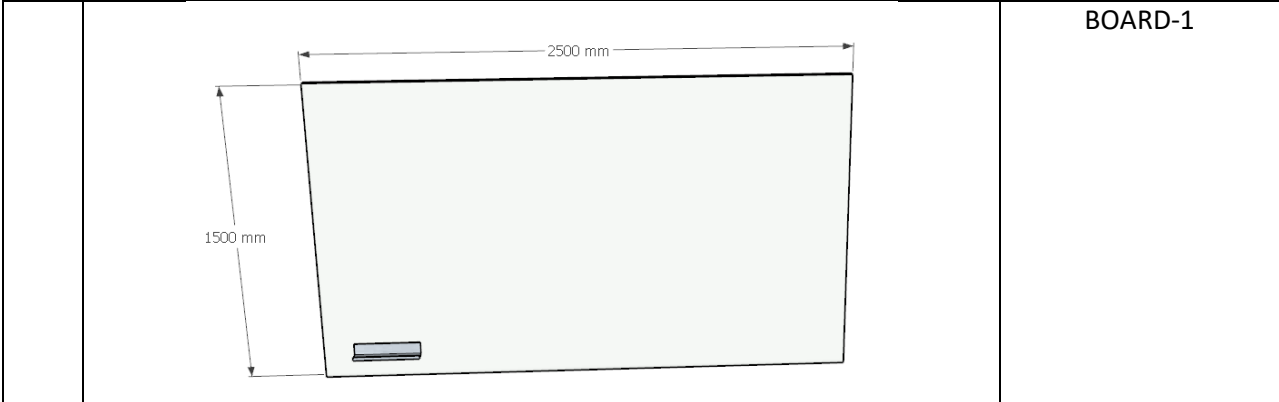
DESK-2-CHAIRMAN

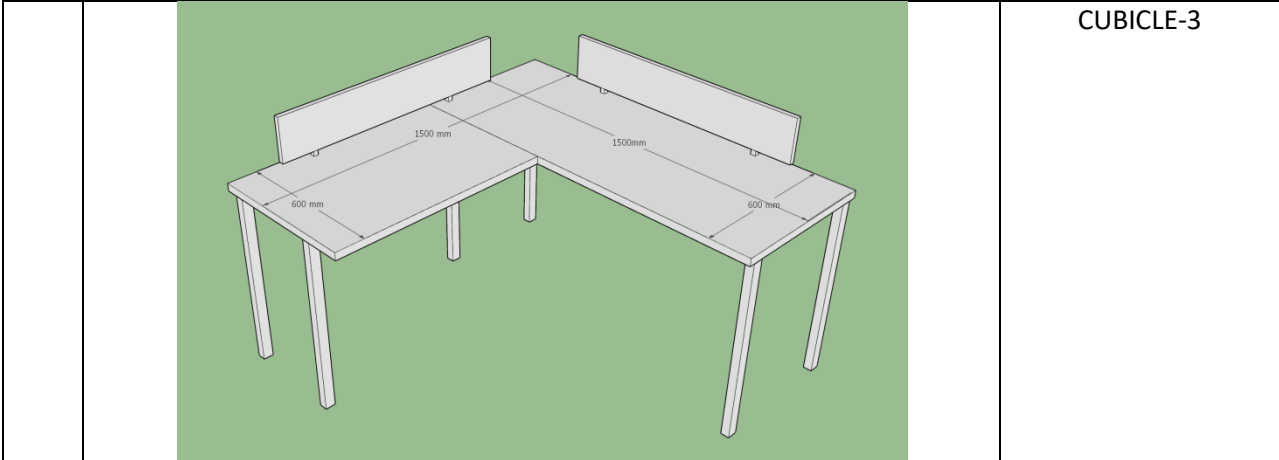


CHAIR-HB-1

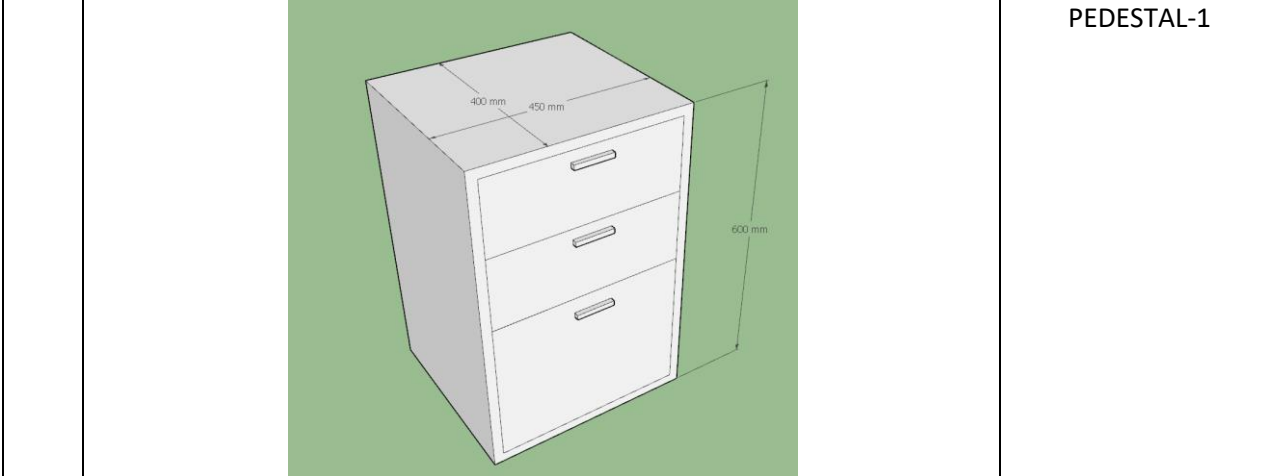


CHAIR-MB-1

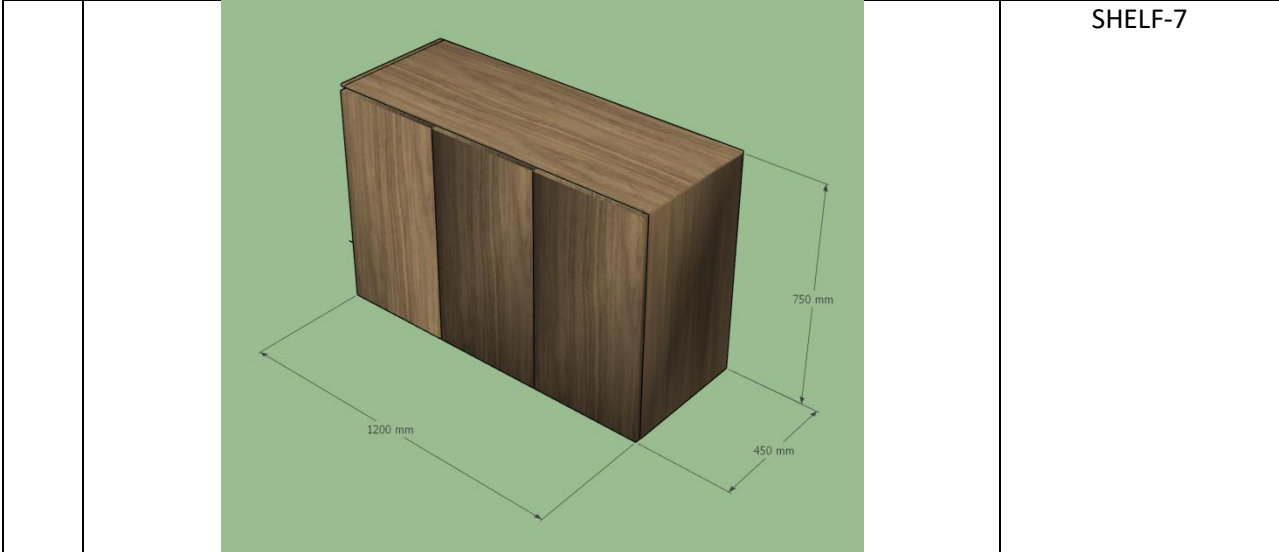




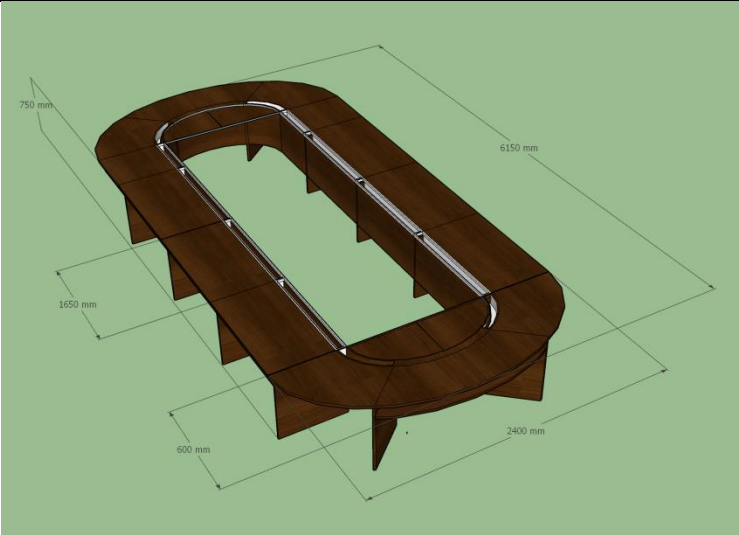

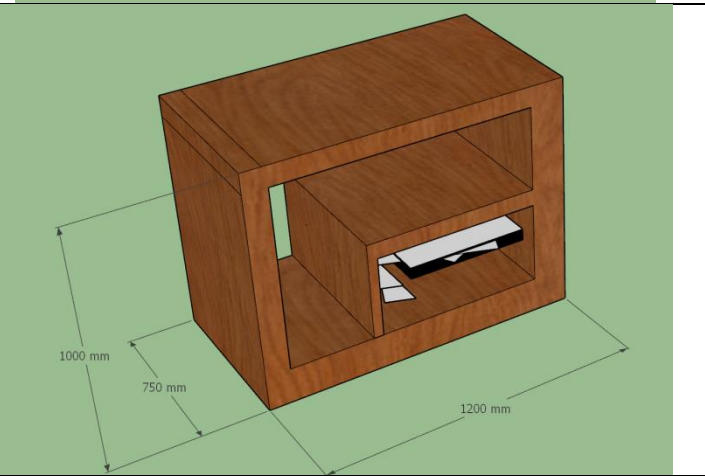
CUBICLE-3



PEDESTAL-1



SHELF-7

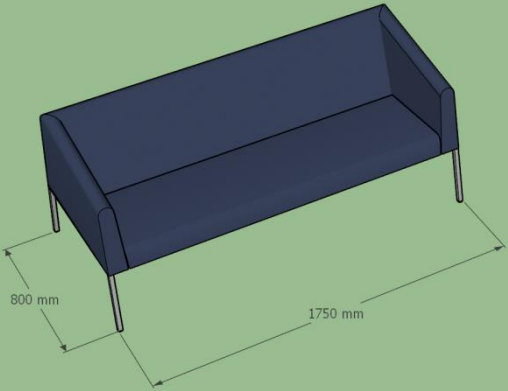
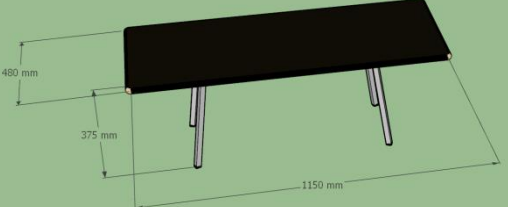
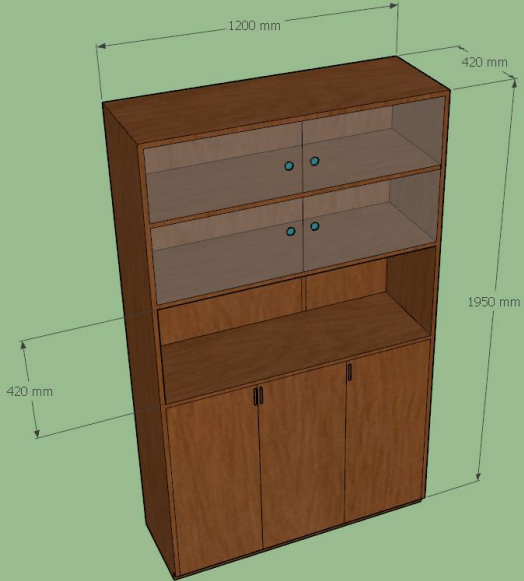
		<p>MEETING-TABLE-5</p>
		<p>MEETING-TABLE-4</p>
		<p>PRINTERDESK-1</p>

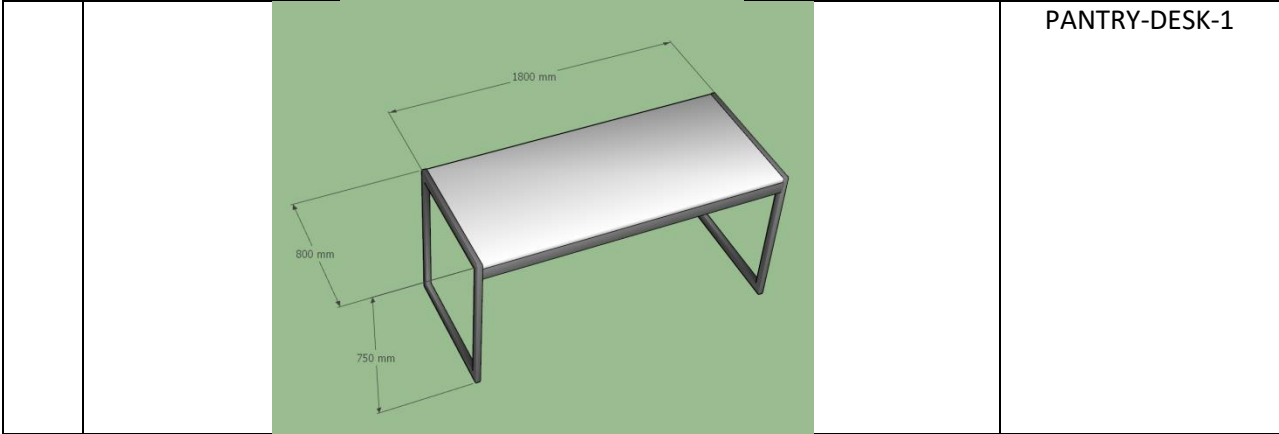
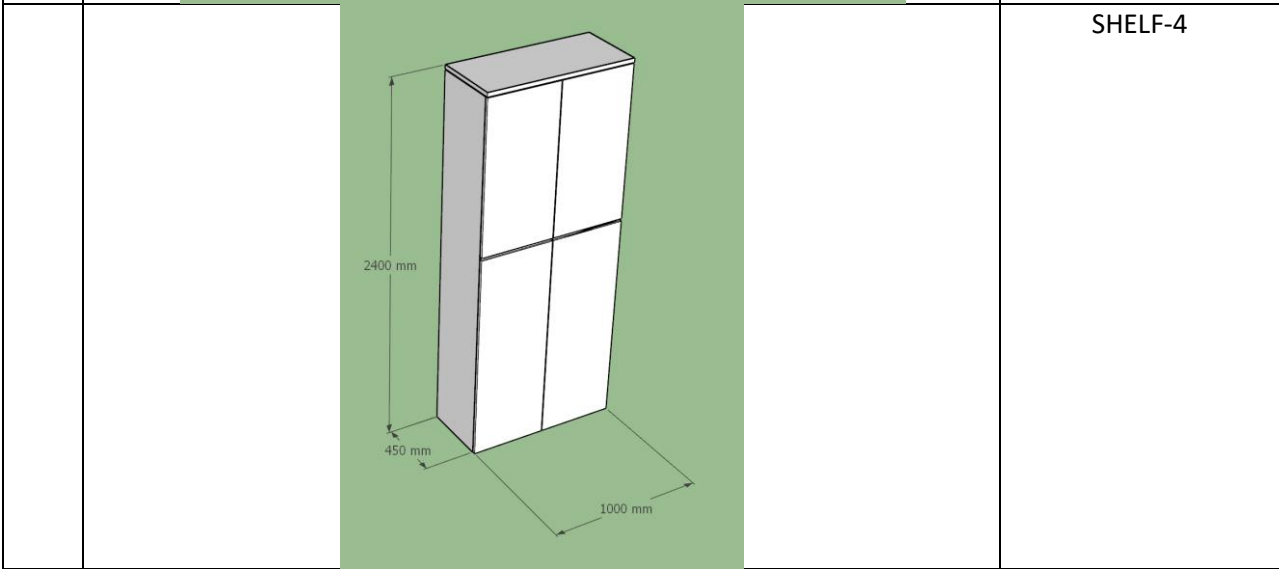
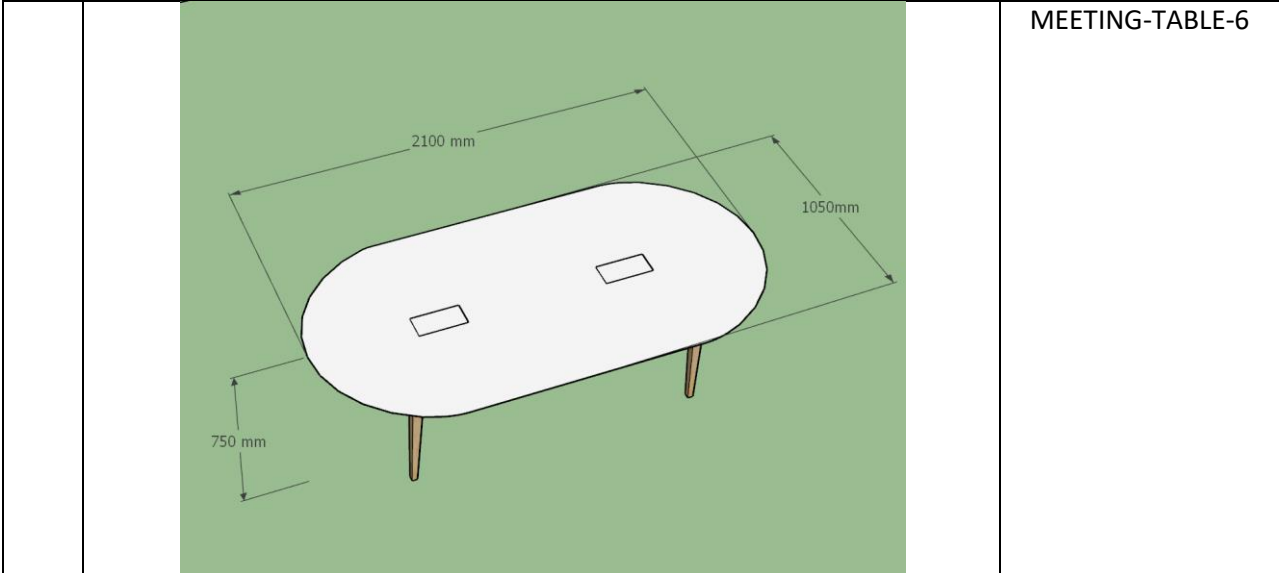
SSCU OFFICE


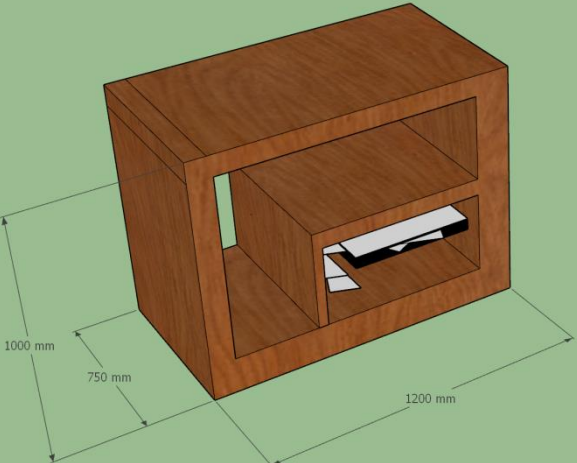
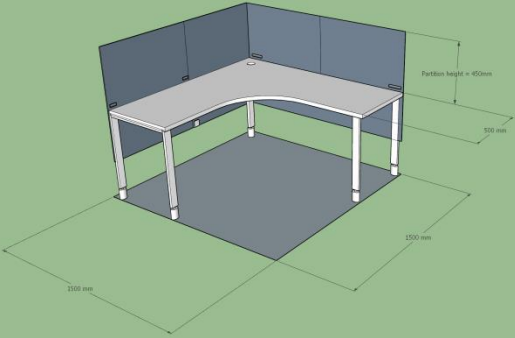


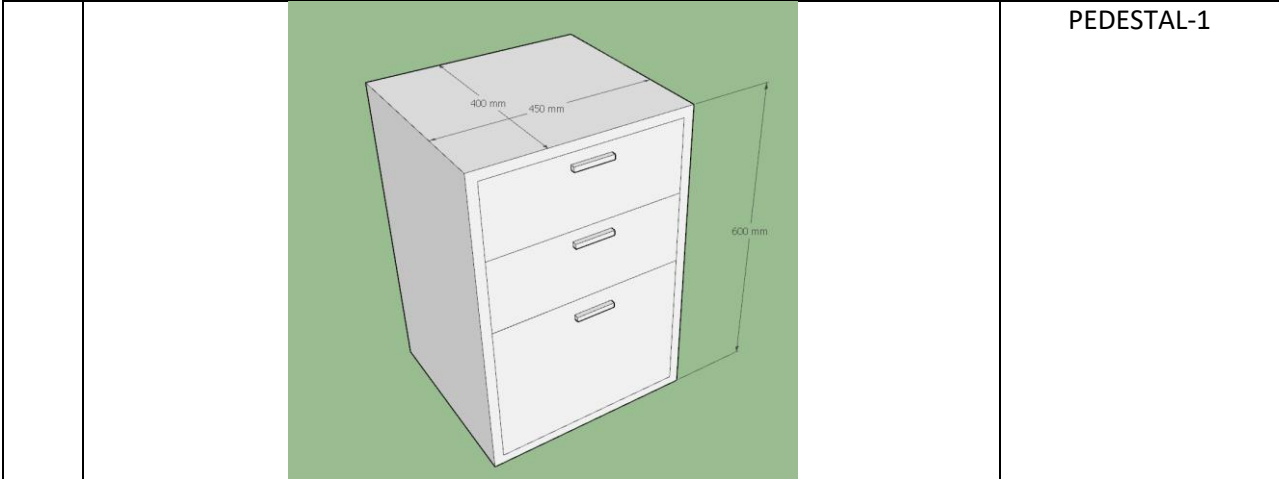
Individual Furniture Components and Code

		DESK-2-CHAIRMAN
		CHAIR-HB-1
		CHAIR-MB-1

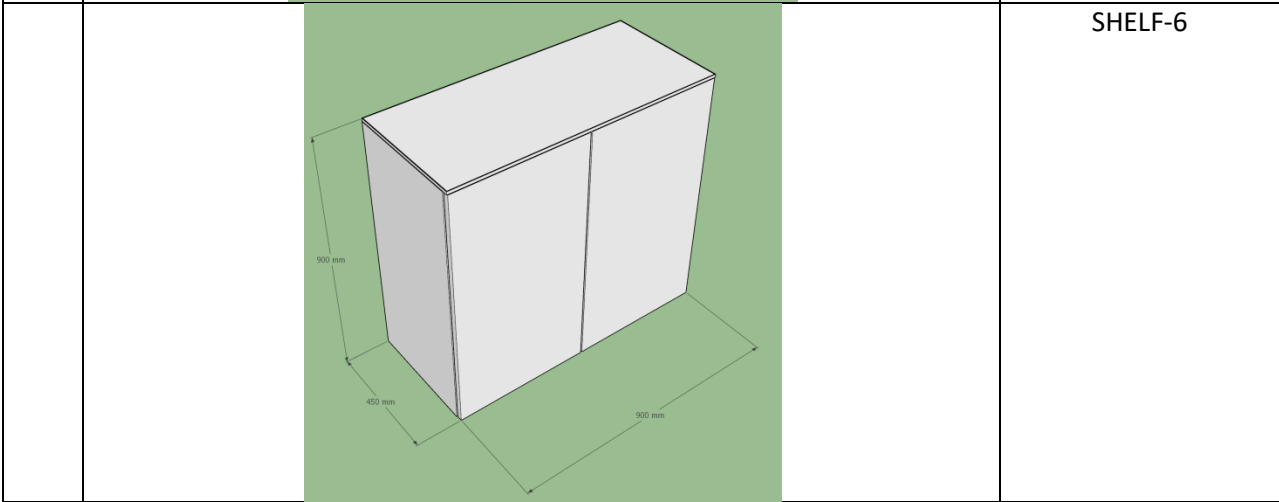
			<p>SOFA-3SEATER</p>
			<p>TEAPOY-1</p>
			<p>SHELF-1</p>



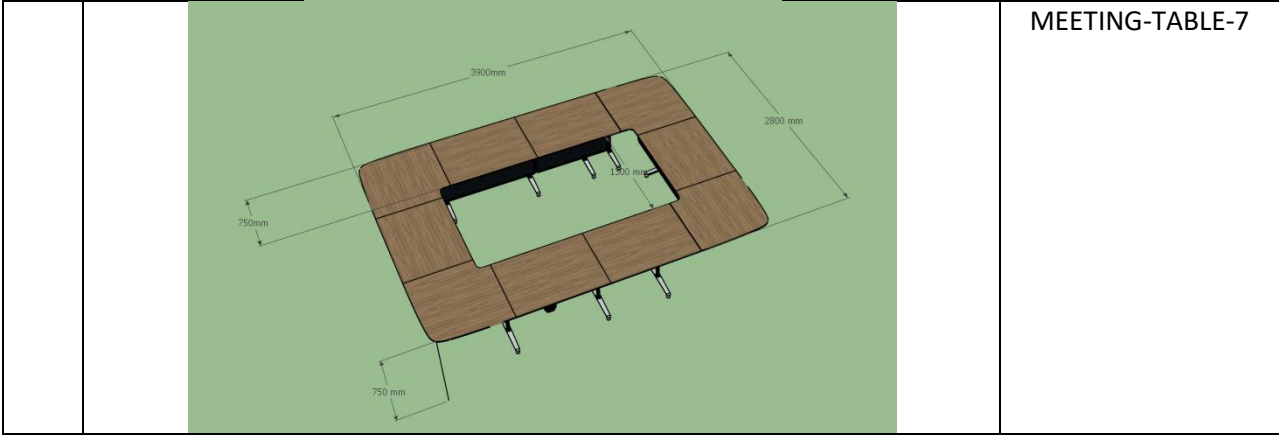
		<p>CHAIR-2</p>
		<p>PRINTERDESK-1</p>
		<p>CUBICLE-1-L</p>



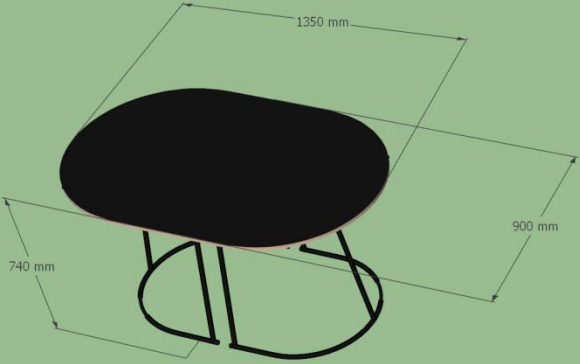
PEDESTAL-1



SHELF-6



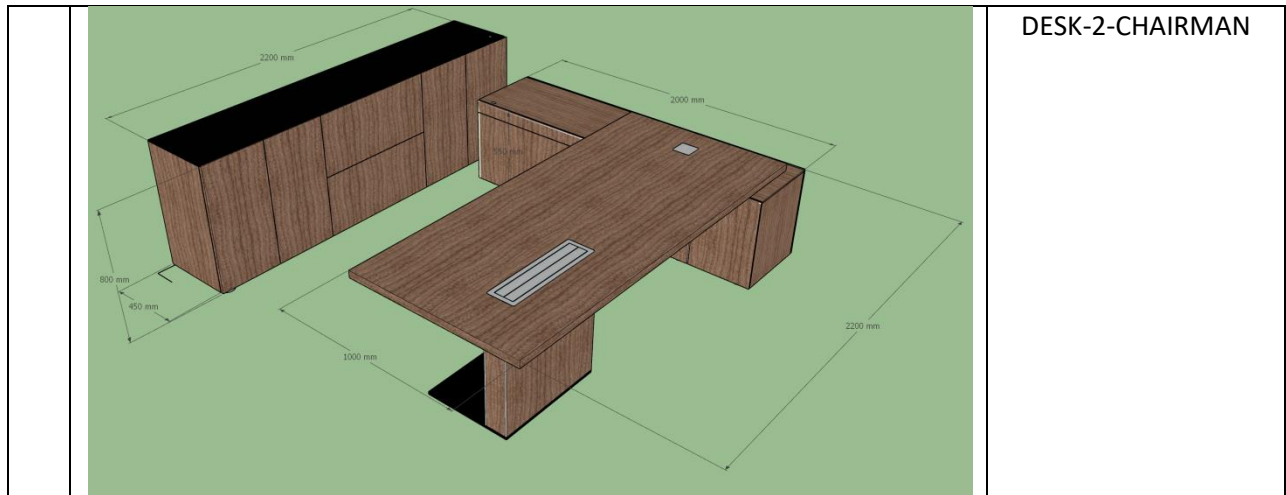
MEETING-TABLE-7

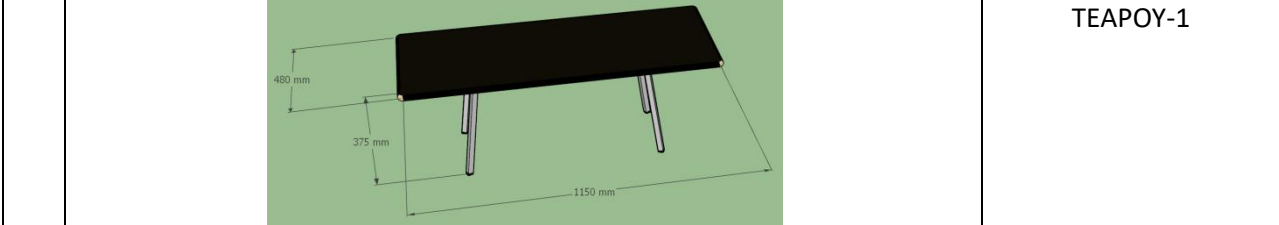
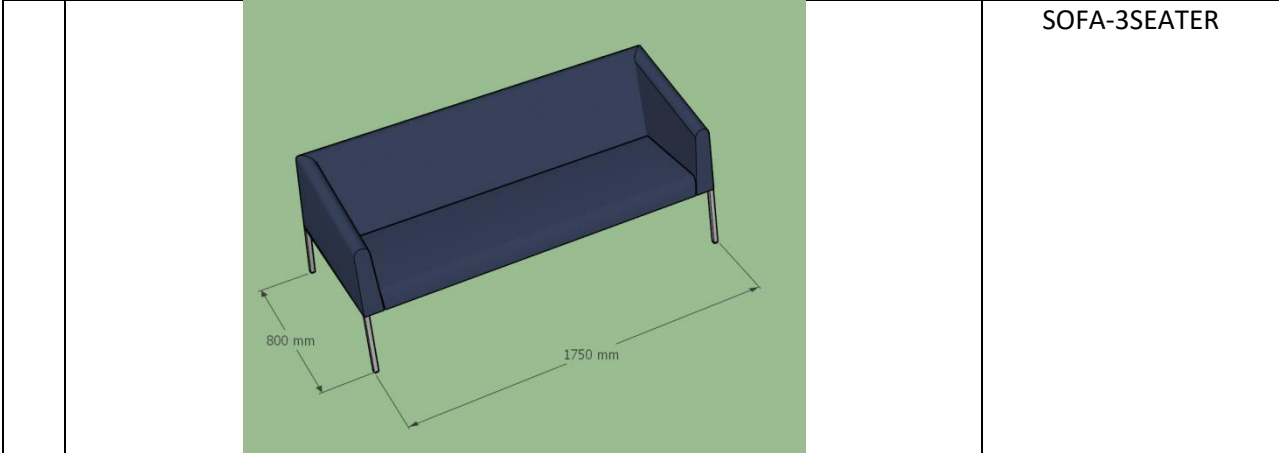
	 <p>A technical drawing of a table with a black oval top and a black metal frame. The table is shown from a three-quarter perspective. Three dimensions are indicated with dashed lines and arrows: 1350 mm for the length of the table, 900 mm for the width, and 740 mm for the height of the table legs.</p>	<p>TEAPOY-3</p>
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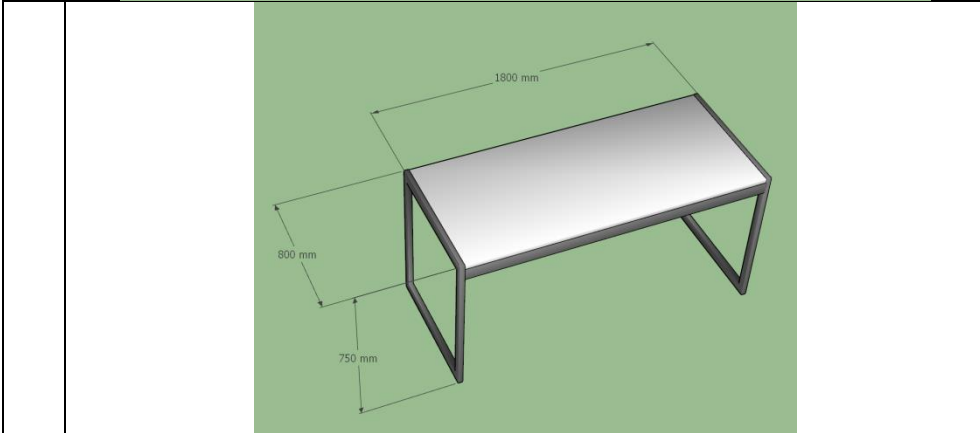
Individual Furniture Components and Code



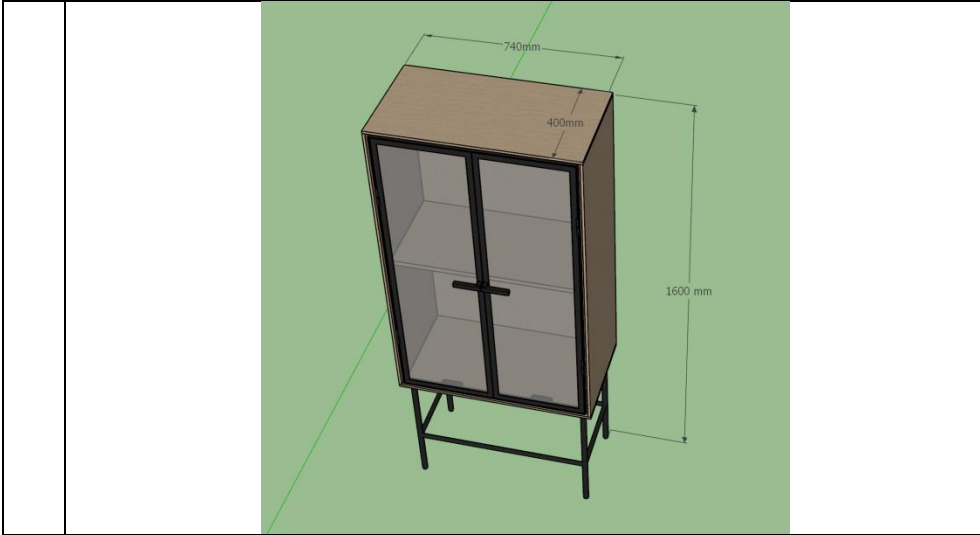




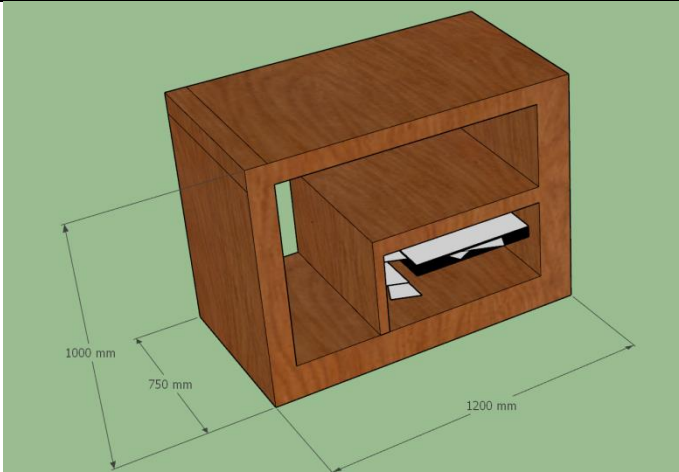
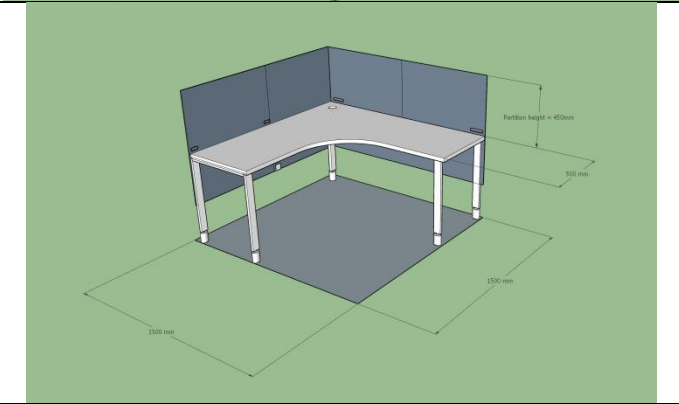
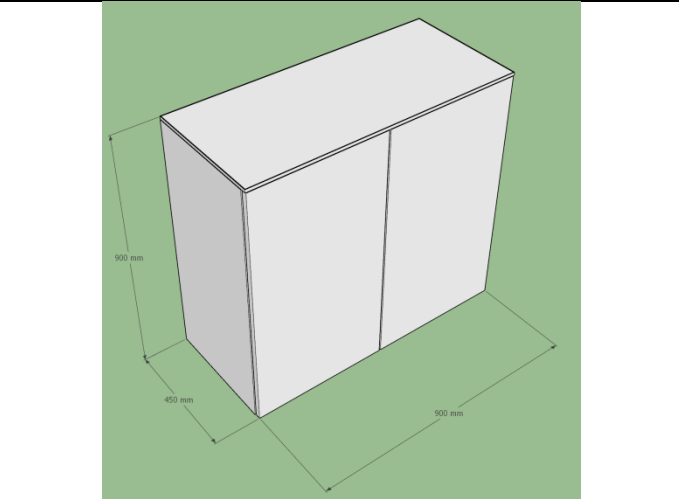
SHELF-1

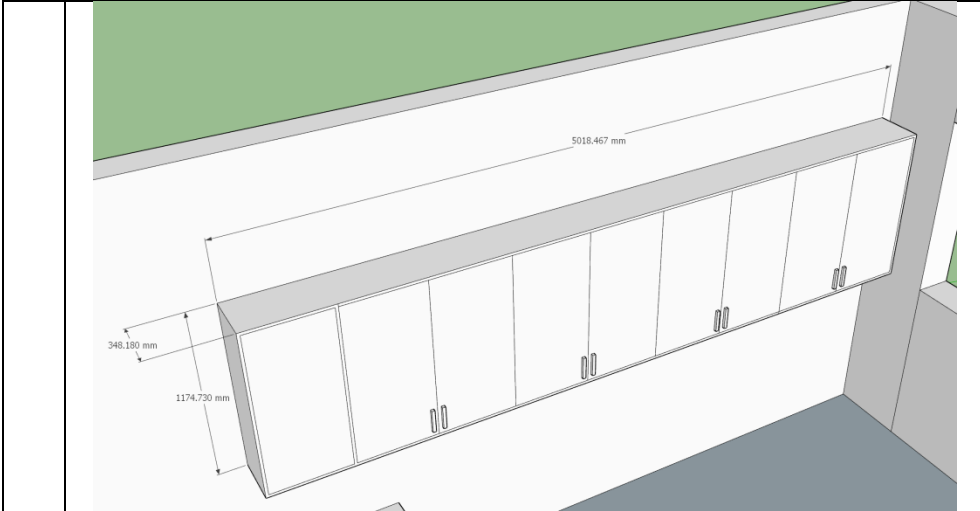


PANTRY-DESK-1

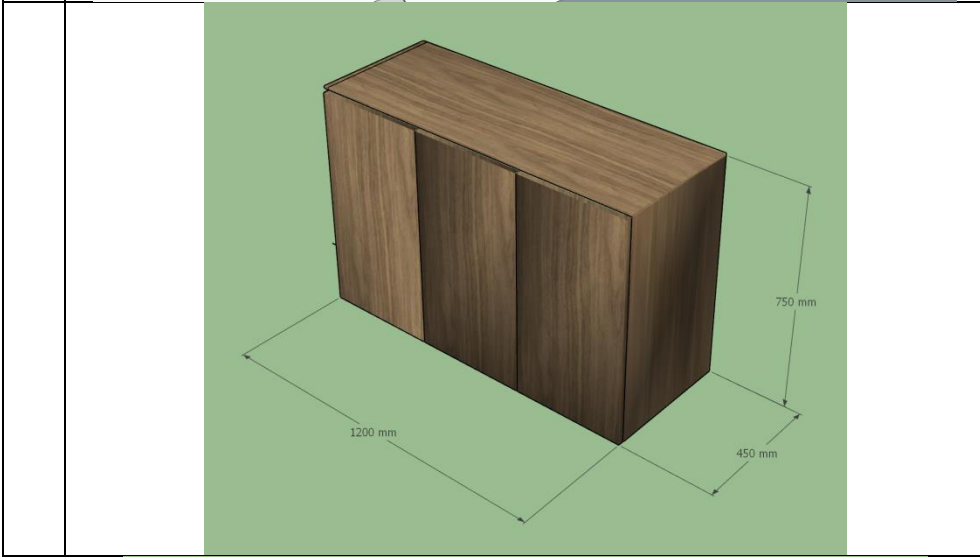


SHELF-8

		<p>PRINTERDESK-1</p>
		<p>CUBICLE-1-L</p>
		<p>SHELF-6</p>



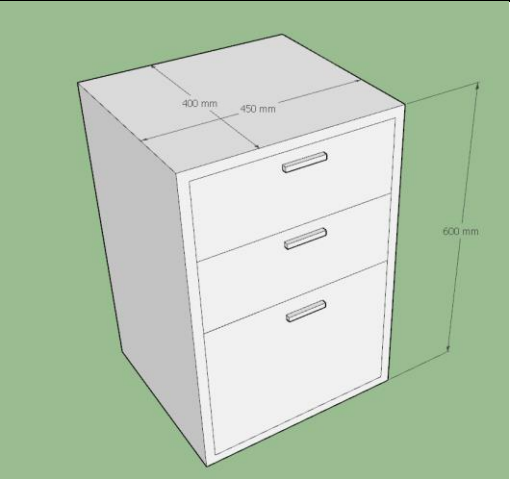
SHELF-8-CUST



SHELF-7



MEETING-TABLE-8

			PEDESTAL-1
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LAB STOOL

			LAB-STOOL
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Query/Clarifications

Tender No: CHEMSCI/FURNITURE/2021/03-06; Dt: 03 JUNE 2021

1. Bidder Name (including complete address, Tel(/Mobile) and Email of point of contact):

2. Queries/Clarifications