

**Tender for
Fabrication, Supply and Installation of Modular
Workstation and Other Furniture**

Tender No. R(IVA)/PUR/Workstation/2015



**Indian Institute of Science
Bangalore - 560012**

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SECTION 1 – BID SCHEDULE

Tender No	R(IVA)/PUR/Workstation/2015
Tender Date	8th December 2015
Item Description	Fabrication, supply and installation of Modular Workstations and other furniture
Tender Type	Two Bid System:
	Technical Bid (Part-A); Commercial Bid (Part-B)
Pre Bid Meeting date	21st December 2015
Place of Submission and tender opening	Purchase Section,
	Indian Institute of Science
	Bangalore-560012
Last Date & Time for submission of tender	30th December 2015 by 3:00pm
Date and time of opening of Technical Bid (Part A)	30th December 2015 by 3:30pm
Tender Fees	Tender Fee of Rs 500/-(Rs Five Hundred Only) in the form of Demand Draft in favor of "The Registrar, IISc, Bangalore" payable at Bangalore to be submitted in Technical Bid.
Earnest Money Deposit	Earnest Money Deposit (EMD) of Rs 50,000/-(Rupees fifty thousand only) in the form of Demand Draft in favour of " The Registrar, IISc, Bangalore", payable at Bangalore to be submitted in Technical Bid
Any Clarification	Assistant Registrar
	Dept: Purchase Section
	<u>Email: arpurchase@admin.iisc.ernet.in</u>
	Contact No: 080 22932647

SECTION 2 – ELIGIBILITY CRITERIA

Prequalification criteria:

- 1 Bidder should have well established own establishment
(Enclose Company **Registration Certificate**)
- 2 Bidder should have at least 5(five) years' experience in fabricating, supplying and installing modular furniture to Central/State Govt. Departments/ PSUs/Banks/reputed organisations
(Self declaration – Annexure 3)
- 3 Bidder should have executed at least one order of similar nature with a minimum value of Rs 50 lakhs (Rupees fifty lakhs only) in each year, during last two financial years i.e.2013-14 & 2014-15
(Give details in the enclosed format along with Copy of Purchase orders – Annexure 2)
- 4 The Bidder should have a minimum Annual Turnover of Rs. 5 crores in each year during last two financial years i.e.2013-14 & 2014-15.
(Copy of Audited Accounts to be submitted.)
- 5 The Bidder should not be currently blacklisted by any institution, bank in India or abroad
(Self declaration-Annexure-4)
- 6 The Bidder should accept tender terms & conditions
(Annexure-5)
- 7 Earnest Money Deposit (EMD) of Rs 50,000/-(Rupees fifty thousand only) in the form of **Demand Draft in favor of “The Registrar, IISc, Bangalore”, payable at Bangalore** to be submitted in Technical Bid
- 8 Tender Fee of Rs 500/-(Rs Five Hundred Only) in the form of **Demand Draft in favor of “The Registrar, IISc, Bangalore” payable at Bangalore** to be submitted in Technical Bid.

SECTION 3 – TERMS AND CONDITIONS

Submission of Tender:

- 1 All documentations in the tender should be in English
- 2 Tender should be submitted with your covering letter in the enclosed form duly signed. It must be submitted in two envelopes Technical Bid(Part-A) and Commercial Bid(Part-B) super scribing on both the envelopes the tender no. and the due date and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed with the Tender No & Due Date
- 3 The SEALED COVER superscripting Tender number / due date & should reach the undersigned on or before due date mentioned in the tender notice. Incase due date happens to be holiday the tender will be accepted and opened on the next working day.
If the quotation cover is not sealed, it will be rejected.
- 4 All communications are to be addressed to the undersigned only
- 5 Quoting of Price (s) : Price quoted should be in Indian Rupees,
- 6 Excise Duty (ED)/ VAT/ other taxes, levies, like Service Tax (ST), Education Cess, etc., are to be indicated separately. BIDDER should mention Central and State Sales Tax/VAT / Service Tax Registration and PAN in the tender.
- 7 If Price is not quoted in Commercial Bid as provided in Tender document then, the bid is liable to be rejected after forfeiting Earnest Money Deposit.

Cancellation of Tender:

Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, 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 terms.

Validity Of The Offer:

180 Days from the date of opening of the technical bid.

Evaluation of Offer:

- 1 The technical bid (Part A) will be opened first and evaluated.
- 2 Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B)opening. Further, agencies not furnishing the

documentary

evidence as required are liable to be rejected

- 3 Pre- qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during Technical evaluation or during Commercial evaluation. The decision in regard to acceptance and / or rejection of any offer in part or full shall be the sole discretion of IISc, and decision in this regard shall be binding on the bidders.
- 4 The award of contract will be subject to acceptance of the terms and conditions stated in this tender.
- 5 Offer which deviates from the vital conditions (as illustrated below) of the tender is liable to 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.
- 6 In case any BIDDER is silent on any clauses mentioned in this tender documents, IISc Bangalore shall construe that the BIDDER had accepted the clauses as of the 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 Commercial Bid opening shall be intimated to technically qualifying bidders only.
- 9 The firms short listed, after the evaluation of Technical bid, may be required to bring in samples of the items quoted to IISc.
- 10 Lowest bid will be calculated based on the total price of all items tendered.

Warranty:

If the goods, are found defective due to bad design or workmanship, the same should be repaired or replaced free of charge if reported within 12 months of their receipt at site. Bidder will be responsible for the proper functioning of the materials for the warranty period. An amount of Rs. 5 lakhs (Rupees five lakhs only) should be deposited towards performance guarantee in the form of bank guarantee immediately on award of contract, and this be valid till the end of warranty period.

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 quantity of the items in tender is only indicative. IISc reserves the right to increase /decrease the quantity of the items depending on the requirement

Earnest Money Deposit:

- 1 EMD of unsuccessful bidders will be returned within 30 days after the award of the contract.
- 2 EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful bidder fails to furnish the required performance security within the specified period, its EMD will be forfeited.
- 3 If the quality of product and service provided is not found satisfactory, IISc Bangalore reserves the right to cancel or amend the contract.

Delivery Schedule:

Delivery and Installation at IISc, Bangalore within 45 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 delayed part, for each week or part whereof 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 items executed with its quantity & rate shall be submitted by the supplier on completion of the task in duplicate quoting Vat/ Tin No. and other supporting documents.

Statutory Variation:

Any statutory increase in the taxes and duties subsequent to 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 takes place the advantage will have to be passed on to IISc.

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 Bangalore.

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 facility required for fabricating the tendered products is available in - house. IISc reserves the right to inspect, supplier's factory at any time during the prevalence of the contract and also to inspect each manufactured items before dispatch.
- 3 The bidder may furnish any additional information, which he thinks is necessary to establish his 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 found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of work in IISc Bangalore.

Assistant Registrar
Purchase Section,IISc

SECTION 4 – TECHNICAL SPECIFICATIONS

Technical Specifications Details

1	WORKTABLE for OFFICERS all Categories
	Sizes of Work Table and Credenza
a	Type-1 - main table 1800x750 with side credenza 1200x450
b	Type-1a - main table 1650x750 with side credenza 1050x450
c	Type-2 - main table 2100x750 with side credenza 1200x450
d	Type-3 - main table 2100x900 with side credenza 1650x500 and back credenza 1600x450
e	Type-4 - main table 2400x900 with side credenza 2400x600 and back credenza 2100x450 and mobile drawer unit

	Main Table - for TYPES 1,1a,2,3,4
	Standard table top height – 750mm min (including table top thickness of 25mm)
	Depth 750mm and Length varies as per individual unit type (refer drawing)
	Table top made of 25mm thk pre-laminated particle board of interior grade of pre-approved shade. Edges of table top shall be provided with machine pressed PVC edge banding 2mm thick in matching color.
	Table understructure with modesty panel (upto 600mm height) shall consist of standard 18mm pre-lam Particle board construction as per profile and design provided in the drawing.
	All edges of the understructure to be provided with machine pressed PVC edge banding 2mm thick in matching color
	Discreet/concealed proprietary fixtures to be used at joints
	Table top to be provided with ABS wire manager at designated location as per pre-approved sample.

	Accessories
	Mobile CPU trolley of size 220X250X250 mm made up of CRCA 'D' grade MS duly powder coated with provision for height & width adjustment (coating thickness 50 to 60 micron).
	Plastic keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels and ABS wire managers to be provided where required

	Side Cradenza Units for TYPES 1,1a,2
	Standard dimensions - Height – 750mm min to match with work table, including the furniture feet as per drawing and detail. Depth - 450mm . Length varies as per individual unit type (refer drawing)
	Consists of standard pre-lam Particle board construction (with 18mm thk except for the top which shall be of 25mm thickness to match the work table and back which shall be of 9mm thk) of approved shade. Top to be provided with edge banding to match the work table, all edges of the box, shutters, drawer fascia etc should also be edge bound to match.
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provisions with tower bolt, magnetic catch etc where required
	Typical unit consists of filing Cabinet and set of 3 drawers as indicated specified below
	Drawers
	Width of drawer unit shall be of standard size of 450mm.
	Drawer tray shall be of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Front Central lock to be provided for locking all drawers
	File storage
	Width of the filing cabinet will be as per module nomenclature

	Filing cabinet shall be provided with double leaved hinged shutters made of made of 18mm thk Pre-lam particle board with all edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.
	Single shelf placed on standard shelf pins which should be adjustable to 2 alternate heights
	Hardware set to include 110 degree opening self closing box hinges
	Work table top to be attached to Cradenza for support IF REQUIRED for additional rigidity with suitable proprietary fixtures.



	Side Cradenza Units for TYPES 3&4
	Standard Dimensions
	Height – TYPE 3 - 750mm & TYPE 4 - 675 mm.
	Depth of side Credenza Top TYPE 3 - 500mm & TYPE 4 - 600mm.
	Length varies as per individual unit type.
	Consists of standard pre-lam Particle board construction (with 18mm thk except for the top which shall be of 25mm thickness to match the work table) of approved shade. Adjustable levellers to be provided to supports.
	Modesty panel height max 600mm with 2mm thk PVC edge banding shall be provided with cut outs of pre-approved sizes (specific to the brand and make of electrical and network plates) located as per architect's instructions
	Top & all supporting surfaces to be be provided with 2mm thk edge banding to match the work table.
	Table top to be provided with ABS wire manager at designated location as per pre-approved sample.
	Work table top to be attached to Cradenza for support IF REQUIRED for additional rigidity with suitable proprietary fixtures.

	Back Cradenza Units for TYPES 3&4
	Standard Dimensions
	Height – TYPE 3 - 750mm & TYPE 4 - 675 mm.
	Depth of side Credenza Top TYPE 3 - 450mm & TYPE 4 - 500mm.
	Length varies as per individual unit type/site condition.
	Consists of standard pre-lam Particle board construction (with 18mm thk except for the top which shall be of 25mm thickness to match the work table and back which shall be of 9mm thk) of approved shade. Top to be be provided with edge banding to match the work table, all edges of the box, shutters, drawer fascia etc should also be edge bound to match.
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles. 'C' Shape SS Brush Finish handles fixed to all facias
	Typical unit consists of filing Cabinets and set of 3 drawers as indicated in the drawing
	Side Credenza to be attached to Back Cradenza for support IF REQUIRED for additional rigidity with suitable proprietary fixtures.
	File Storage
	Width of the filing cabinet will be as per module nomenclature

	Filing cabinet shall be provided with hinged shutters made of made of 18mm thk Pre-lam-particle board with all edges having 2mm thk edge banding to match the color of the fascia and on the inside to match the inside color of the box.
	Single shelves placed on standard shelf pins which should be adjustable to 2 alternate heights
	Hardware set to include 110 degree opening self closing box hinges,'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provision with tower bolt and magnetic catch
	Drawer Storage
	Width of drawer unit shall be of standard size of 450mm.
	Drawer tray shall be of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Front Central lock to be provided for locking all drawers



2	COUNTERS
	Sizes of Counters
	Cheque/Cash Dispense counter - Table top size -2100x600

	Work Counter Units
	Standard table top height – 750mm min (including table top thickness of 25mm)
	Depth 600 and Length 2100 mm
	Table top made of 25mm thk pre-laminated particle board of interior grade of pre-approved shade. Edges of table top shall be provided with machine pressed PVC edge banding 2mm thick in matching color.
	Table understructure with support panel (upto 150mm height) shall consist of standard 18mm pre-lam Particle board construction as per profile and design provided in the drawing.
	All edges of the understructure to be provided with machine pressed PVC edge banding 2mm thick in matching color
	Discreet/concealed proprietary fixtures to be used at joints
	Adjustable levellers to be provided to supports
	Table top to be provided with ABS wire manager at designated location as per pre-approved sample.
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles,'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provision

	Accessories
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	Mobile CPU trolley of size 220X250X250 mm made up of CRCA 'D' grade MS duly powder coated with provision for height & width adjustment (coating thickness 50 to 60 micron).
	Plastic keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels and ABS managers to be provided where required
	File storage
	Width of the filing cabinet shall be of standard size of 450mm.
	Filing cabinet shall be provided with Single leaved hinged shutter made of made of 18mm thk Pre-lam particle board with all edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.
	Single shelf placed on standard shelf pins which should be adjustable to 2 alternate heights
	Hardware set to include 110 degree opening self closing box hinges
	Drawers
	Width of drawer unit shall be of standard size of 450mm.
	Drawer tray shall of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Front Central lock to be provided for locking all drawers
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles



3	MEETING TABLES
	Sizes of Meeting Tables
a	Conference for 12 persons - Table size - 3700x1200
b	Conference for 10 persons - Table size -3000x1200
c	Discusion for 4 persons - Table Size - 2000x1050

	Meeting Tables
	Standard table top height – 750mm min (including table top thickness of 25mm)
	Width and depth as per unit size and profile as specified
	Table top and verticle supports to be made of 25mm thk pre-laminated particle board of interior grade of pre-approved shade. Edges of table top shall be provided with machine pressed PVC edge banding 2mm thick in matching color.
	Both faces of vertical supports to be of same approved laminate
	Double modesty panel height max 450mm of 18mm thk Pre-lam particle board

	All edges of the understructure to be provided with machine pressed PVC edge banding 2mm thick in matching color
	Modesty panels to be separated by min 50mm clear gap between and cutouts etc to made to accommodate electrical/data switches/sockets where indicated
	Cables from floor to the modesty panel should be concealed / fixed along with the table vertical supports
	Adjustable levellers to be provided to supports
	Discreet/concealed proprietary fixtures to be used at joints
	Table top to be provided with ABS wire manager at designated location as per pre-approved sample.
	Standard " spine/snake " wire manager to bunch & conceal wires/cables rising from floor to socket / table top to be provided as required



4	PARTITION
	General (Cubicle) & Work Table / Work Station Partitions
	Partition system
	Double skin "tile based" partition system
	50-60mm thickness for main spine and end returns
	Partition height to be maintained uniformly at 1200mm from FFL

	Structure
	Consists of powder coated MS or aluminium extruded framework of proprietary design with suitable provision for tile cladding on both sides
	Tiles to be either inserted into the edge of the frame "slide in" or fixed from the front with a "clip on" mechanism
	Raceways of upto 100mm height to be accomodated into the main spine at 2 levels for effective wiremanagement framework,
	at skirting for network cabling and just below table top for power cabling
	Raceway shall be provided with a removable powder coated cover of atleast 1 mm thick CRCA MS grade 'D' which should not be screw fixed
	Prior to powder coating the raceway covers shall be provided with cut outs of pre-approved sizes (specific to the brand and make of electrical and network plates) located as per architect's instructions.
	Cut outs /Slots in frame of adequate size (suitable for atleast 20 nos of Cat 6 UTP cable to pass through) to be provided for cable entry from wall or floor.
	2 way/3 way posts shall be integrated at junctions as per proposed configuration

	Top and all exposed verticals of the partition to be provided with powdercoated extruded profiles of proprietary design clipped onto the main frame.
	Corners and junctions to be provided with ABS end caps and connectors respectively to match the color of the trims.
	Tiles above table top typically consist of 9mm MDF panels clad with fire retardant fabric of approved color, tiles below table top typically consist of 9mm pre-laminated MDF/particle board panels of pre-approved colour,
	If tiles of lesser thickness are inherent to the design of the framework suitable stiffeners to be provided to avoid warpage, details of which to be reflected in the shop drawings for architect's approval.
	At designated locations (RHS) every unit to be provided with a writing board consisting of 4mm tempered glass tile integrated into the partition framework.
	Glass tile to be provided with opaque white vinyl sticker on the inside surface,
	Necessary packing/lining to be provided for alignment and sturdiness
	Tile next to every writing board shall consist of a fabric clad powder coated metal tile to be used as a "magnetic pin up" board
5	WORKTABLE / WORK STATION
	Size of the workstation - (LxDxH)
	Typical 750mm Workstation size 1500 x 750 x 1200 (with cradenza)
	Typical 600mm Workstation size 1500 x 600 x 1200 (w/o cradenza)

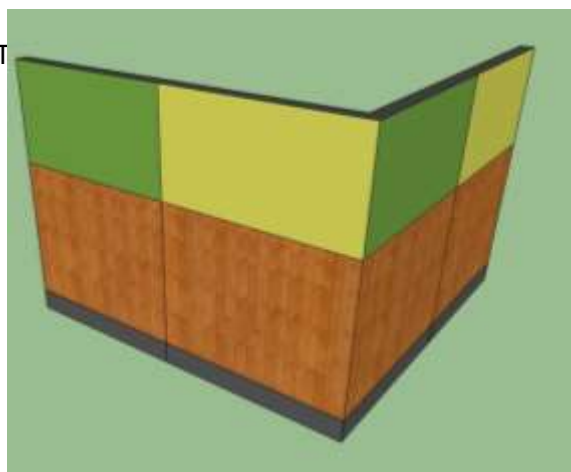
	Partition
	Partition specification same as above (item 4)
	Intermediate / return partition to be considered as part of the costing of the unit type

	Table top
	Table top made of 25mm thk laminated particle board of pre approved colour fixed at a standard table top height of upto 750mm min (including table top thickness)
	All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness.
	Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame without screw fixing.
	Gable End Supports of approved profile and design between tables consisting of 18mm pre-lam board panels duly edge bound (upto 750mm width and 1000mm height) to be integrated with the partition system without screw fixing.
	Intermediate supports of approved profile and design between tables consisting of 18mm pre-lam board panels duly edge bound (upto 750mm width and 1000mm height) to be integrated with the partition system without screw fixing.
	Adjustable floor levellers required for table top support panel
	Table top to be provided with ABS wire manager at designated location as per pre-approved sample.

	Accessories
	Mobile CPU trolley of size 220X250X250 mm made up of CRCA 'D' grade MS duly powder coated with provision for height & width adjustment (coating thickness 50 to 60 micron).
	Plastic keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels

	Workstation Cradenza Unit
	Standard dimensions - Height – 750mm min to match with work table, including the furniture feet as per drawing and detail. Width - 750 mm and Depth - 450mm .
	Consists of standard pre-lam Particle board construction (with 18mm thk except for the top which shall be of 25mm thickness to match the work table and back which shall be of 9mm thk) of approved shade. Top to be provided with edge

	banding to match the work table, all exposed edges of the box, shutters, drawer fascia etc should also be edge bound to match work table
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provision with tower bolt
	Typical unit consists of double leaved filing Cabinet and set of 4 drawers as indicated below
	All edges of the work surface shall be provided with machine pressed PVC edge banding 2mm thick..
	Drawers
	Width of drawer unit shall be of equal size.
	Drawer tray shall of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Front locks to be provided for locking top drawers
	File storage
	Width of the filing cabinet will be as per module nomenclature
	Filing cabinet shall be provided with double leaved hinged shutters made of made of 18mm thk Pre-lam particle board with all edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.
	Hardware set to include 110 degree opening self closing box hinges
	Work table top to be attached to Cradenza for support and additional rigidity with suitable proprietary fixtures.



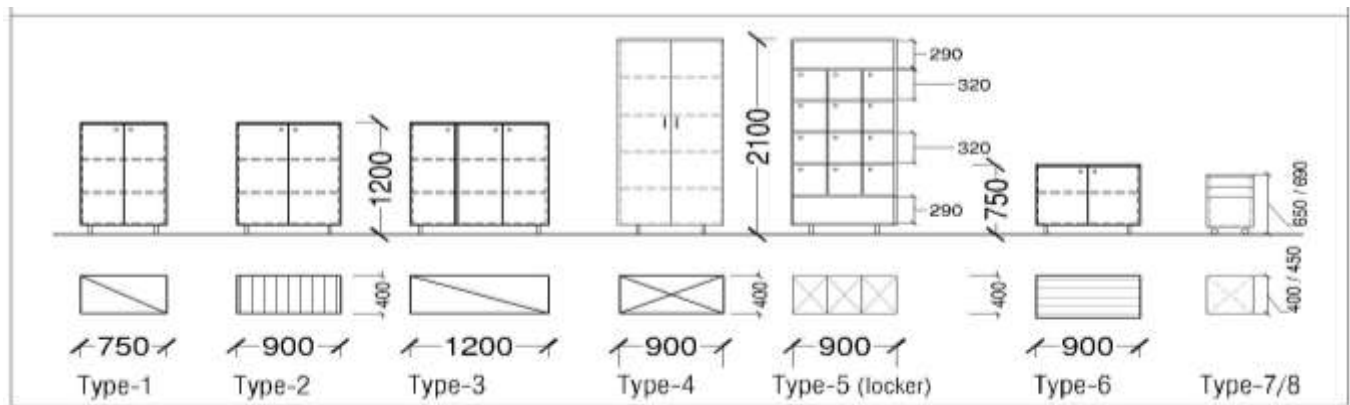
Any additional specifications and details to be executed as directed by Engineer-in- Charge.

6	STORAGES
	Sizes of Storage Units - (WxDxH)
a	Type-1 - 750x400x1200
b	Type-2 - 900x400x1200
c	Type-3 - 1200x400x1200
d	Type-4 - 900x400x2100
e	Type-5 (lockers) - 900x400x750
f	Type-6 - 900x400x1950

	Independent Storage Units for TYPES 1-6
	Top height of unit – (including top surface 18mm thk including furniture feet) - as per unit type
	Depth of unit - 400mm & Width as per Unit Type
	Consists of standard pre-lam Particle board construction (all surfaces to be made of 18mm thk board except the back which shall be of 9mm thk) of approved shade.
	Top to be provided with 2mm thk edge banding to match the laminate, all exposed edges of the box, shutters, drawer fascia, shelves etc should also be edge bound to match.
	Prelam shutters with 110 degree opening self closing box hinges, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provision with tower bolt, magnetic catch, locks etc
	Shelves placed on standard shelf pins which should be adjustable to 2 alternate heights as indicated in the dwg detail, approx clear height of shelves to be able to accommodate files in standing position (approx 350-400mm)
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles
	Storage units to be attached to Partition / Table / Wall etc for additional support where required with suitable proprietary fixtures.
	Note For LOCKERS
	Sizes are only indicative and may
	All internal surfaces of lockers to be laminated
	All shutters to be lockable and with knobs for opening

6	Sizes of Mobile Pedestal Storage Units - (WxDxH)
g	Type-7 - 450x450x690
h	Type-8 - 400x400x650

	Independent Mobile Pedestal Storage Units
	Top height – (including top thickness of 18mm + Castors) as per unit specification
	Consists of standard pre-lam Particle board construction (with 18mm thk and back which shall be of 9mm thk) of approved shade. All exposed edges of the box, shutters, drawer fascia etc should also be edge bound to match the laminate.
	Working edges of the work surface shall be provided with machine pressed PVC edge banding 2mm thick..
	3 Drawers for storage
	Drawer Storage
	Drawer tray shall be of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Central lock to be provided for locking all drawers
	Standard lockable Nylon Castors – with steel mounting plate
	'C' Shape SS Brush Finish handles fixed to all facias.



7	Counter Storage Units - (WxDxH)
a	Type-1 - 2400x600x800
b	Type-2 - 1800x600x800

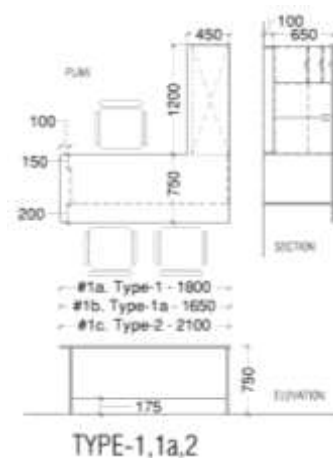
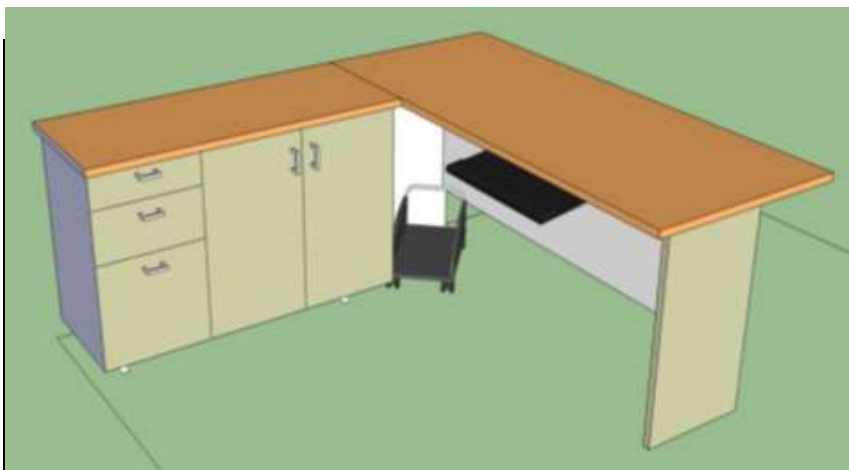
	Reprographics Counter Storage Units - (WxDxH)
	Standard dimensions - Height – 800mm including the furniture feet as per drawing and detail. Depth - 600mm . Length varies as per individual unit type (refer drawing)
	Consists of standard pre-lam Particle board construction (with 18mm thk except for the top which shall be of 25mm thickness to match the work table and back which shall be of 9mm thk) of approved shade. Top to be provided with edge banding to match the work table, all exposed edges of the box, shutters, drawer fascia etc should also be edge bound to match.
	Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles,'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking provision with tower bolt, locks etc
	Edges of the work surface shall be provided with machine pressed PVC edge banding 2mm thick..
	Typical unit consists of filing Cabinets and 2 set of 3 drawers as indicated specified below
	Drawers
	Width of drawer unit shall be of standard size of 450mm.
	Drawer tray shall of 12 mm thk prelam MDF board construction completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation
	All visible edges of drawer trays shall have 2mm thk edge banding to match the color of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the color of the tray.
	Front Central lock to be provided for locking all drawers
	File storage
	Width of the filing cabinet will be as per module nomenclature
	Filing cabinet shall be provided with double leaved hinged shutters made of made of 18mm thk Pre-lam particle board with all edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.
	Single shelf placed on standard shelf pins which should be adjustable to 2 alternate heights
	Hardware set to include 110 degree opening self closing box hinges



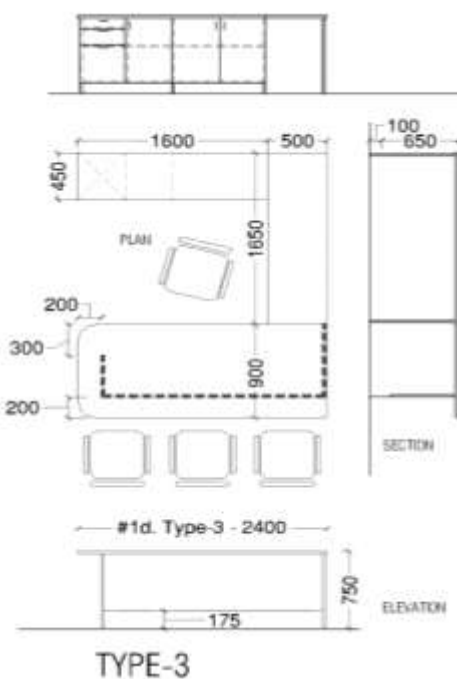
FURNITURE QUANTITIES

1

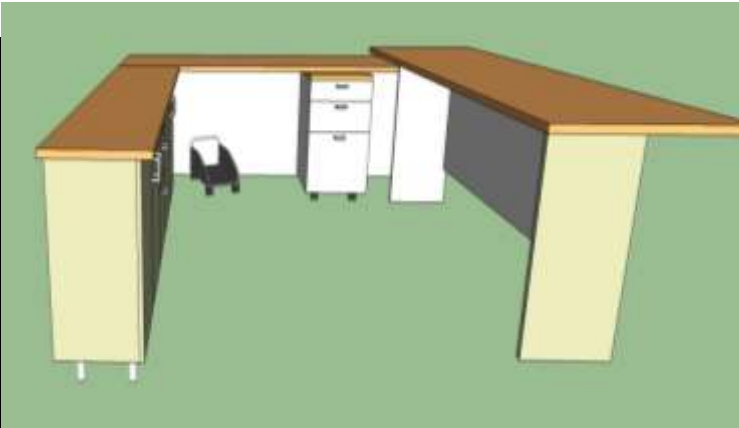

WORKTABLE for OFFICERS all Categories

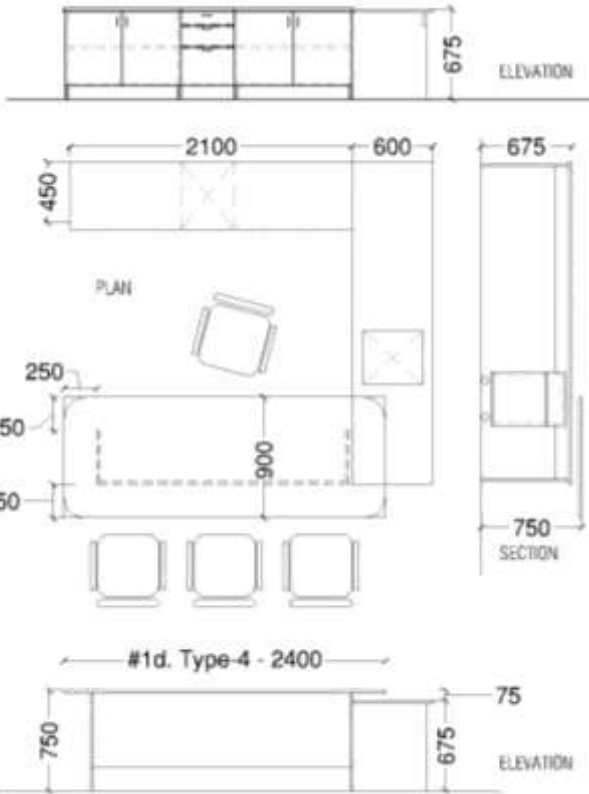


SI No	Furniture	Main Table	Credenza Side	Storage	TOTAL units
1	Officers				
a	Type-1	1800x750	450x1200	na	15
b	Type-1a	1650x750	450x1050	na	2
c	Type-2	2100x750	450x1200	na	5



SI No	Furniture	Main Table	Credenza Side	Credenza Back	TOTAL units
1	Officers				
d	Type-3	2100x900	500x1650	450x1600	4

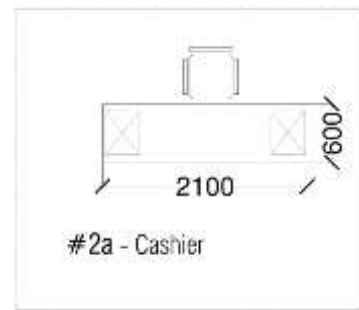





TYPE-4

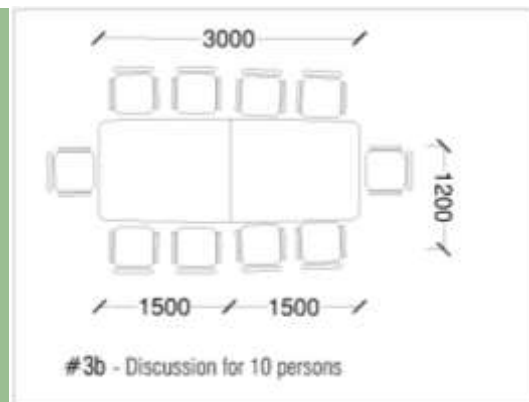
SI No	Furniture	Main Table	Credenza Side	Credenza Back	TOTAL units
1	Officers				
e	Type-4	2400x900	600x2400	450x2100	2

2 COUNTERS



SI No	Furniture	Main Table	Credenza Side	Credenza Back	TOTAL units
2	Counters				
a	Cash	2100x600	-	-	4

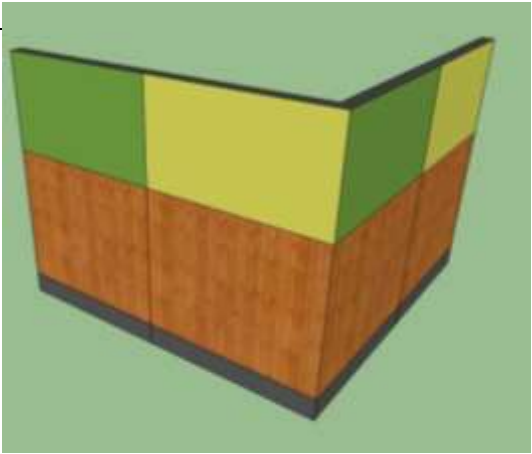
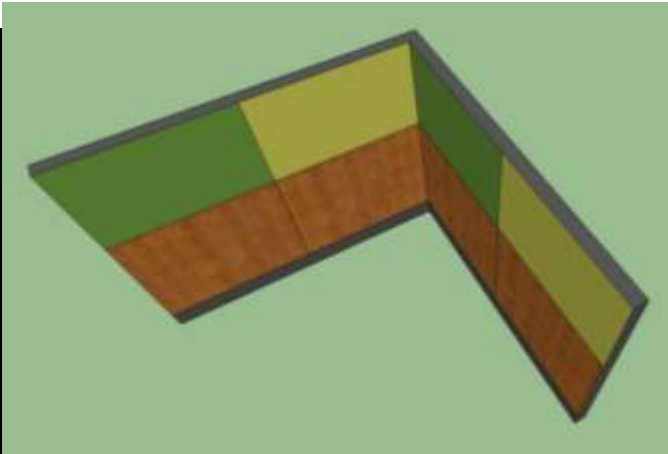
3 MEETING TABLES



SI No	Furniture	Main Table	Credenza Side	Credenza Back	TOTAL units
3	Meeting				
a	Conference - 12	3700x1200			1
b	Conference - 10	3000x1200			1
c	Discussion-4	2000x1050			1

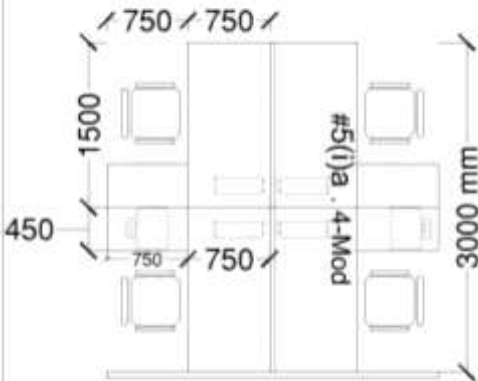
4

PARTITION SYSTEM



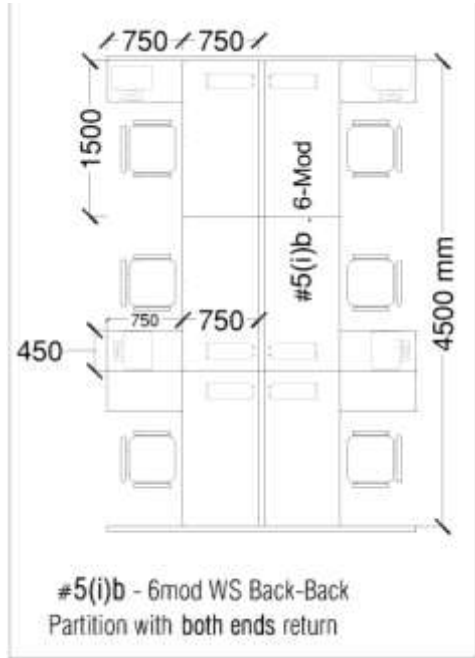
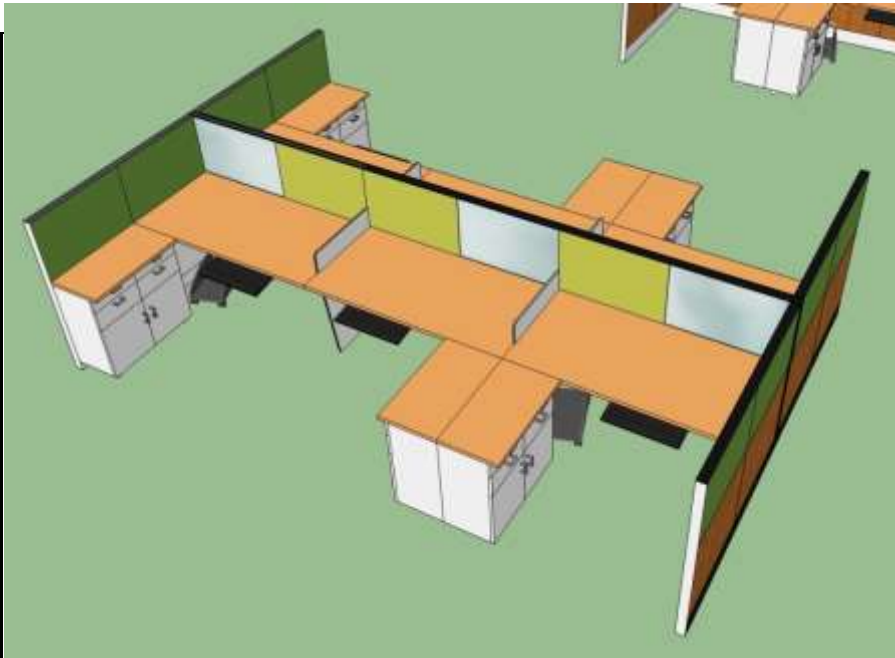
SI No	Description	width	depth	height	TOTAL length
4	Partition				
	TOTAL RUNNING LENGTH	site req	-	1200	110

5	WORKTABLE / WORK STATION
(i)	750 deep Work Stations - Back to Back Units



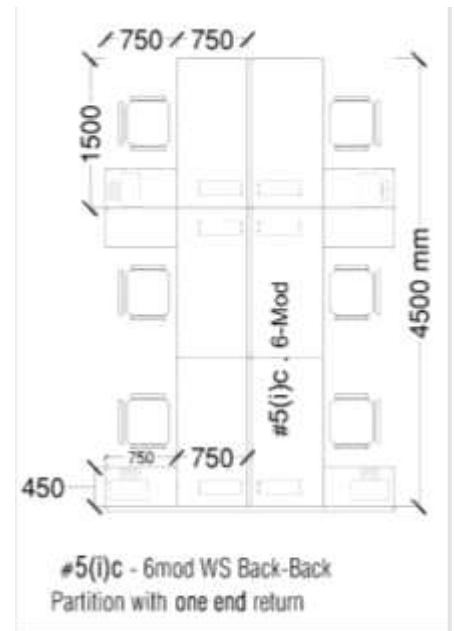
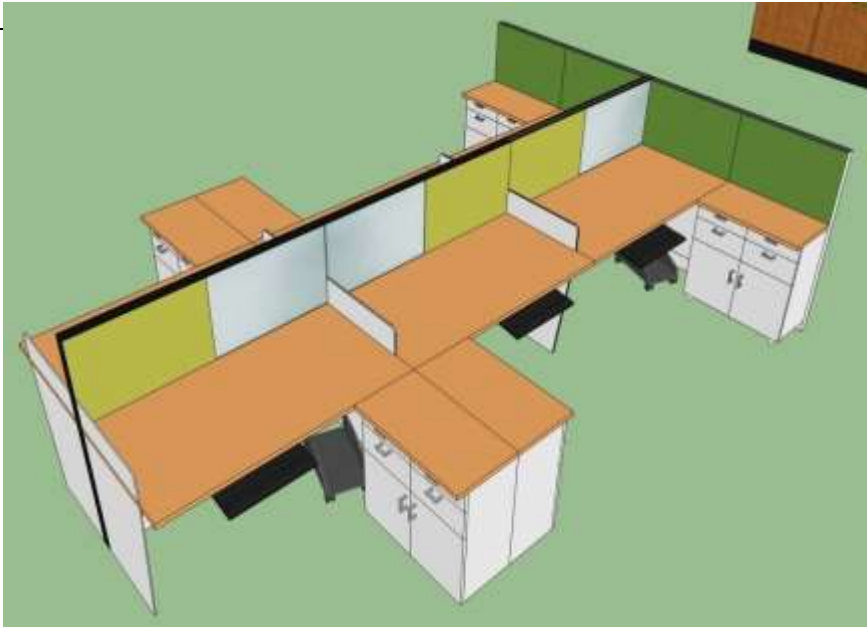
#5(i)a - 4mod WS Back-Back
Partition with one end return

SI No	Cluster Size	Main Table	Side Credenza	Storage	TOTAL units
5(i)	750 deep WS for Office Area Back to Back Units				
a	4 modular-w/o 1 side partition return	1500x750	450x750	na	2

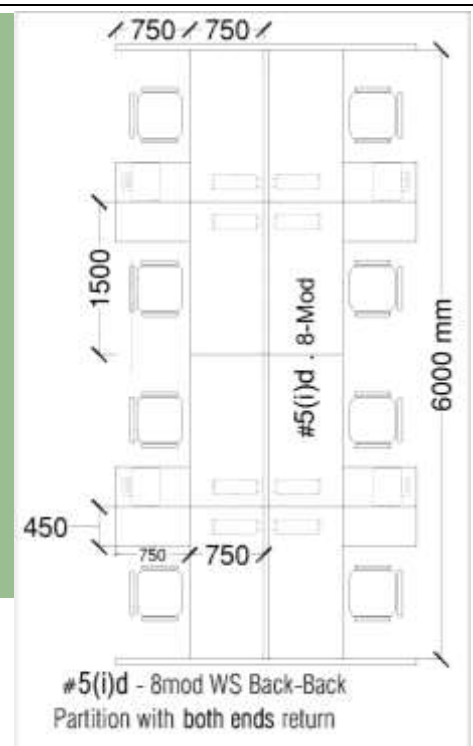


SI No	Cluster Size	Main Table	Side Credenza	Storage	TOTAL Units
5(i) b	750 deep WS for Office Area Back to Back Units				
	6 modular-with 2 sides partition return	1500x750	450x750	na	1

(i)	750 deep Work Stations - Back to Back Units



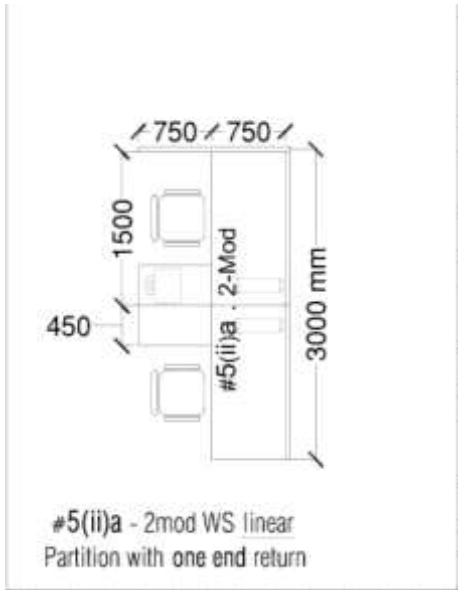
SI No	Cluster Size	Main Table	Side Credenza	Storage	TOTAL Units
5(i) c	750 deep WS for Office Area Back to Back Units				
	6 modular-w/o 1 side partition return	1500x750	450x750	na	2



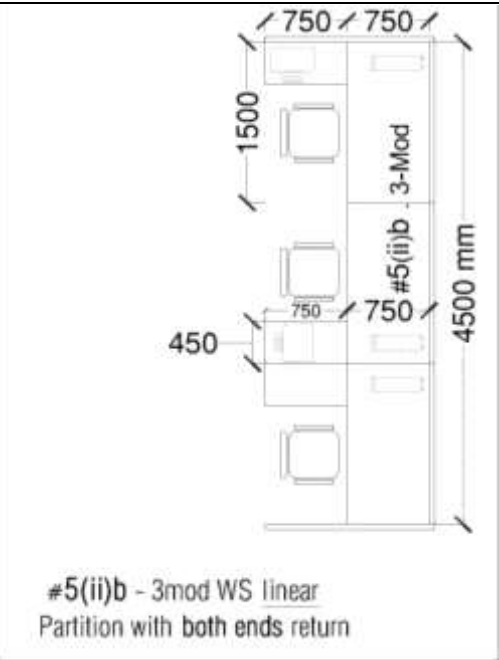
SI No	Cluster Size	Main Table	Side Credenza	Storage	TOTAL Units
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5(i) d	750 deep WS for Office Area Back to Back Units				
	8 modular-with 2 side partition return	1500x750	450x750	na	8


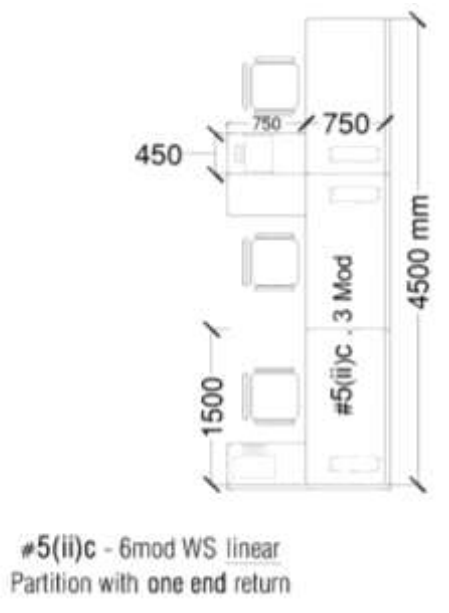
(ii)	750 deep Work Stations - Linear Clusters
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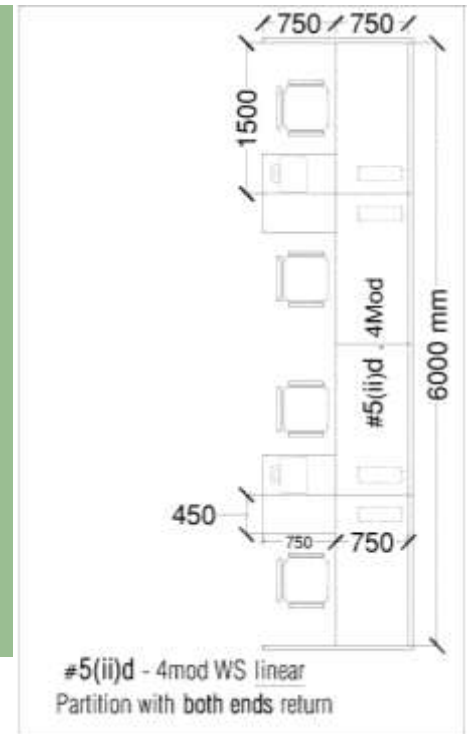


SI No	Cluster Size	Main Table	Side Credenza	Storage	TOTAL Units
5(ii)	750 deep WS for Office Area Linear Cluster				
a	2 modular-w/o 1 side partition return	1500x750	450x750	na	7



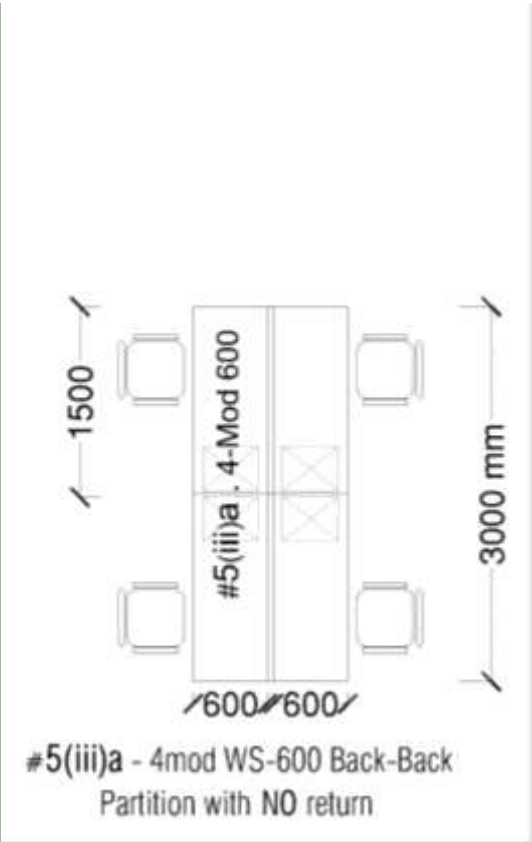
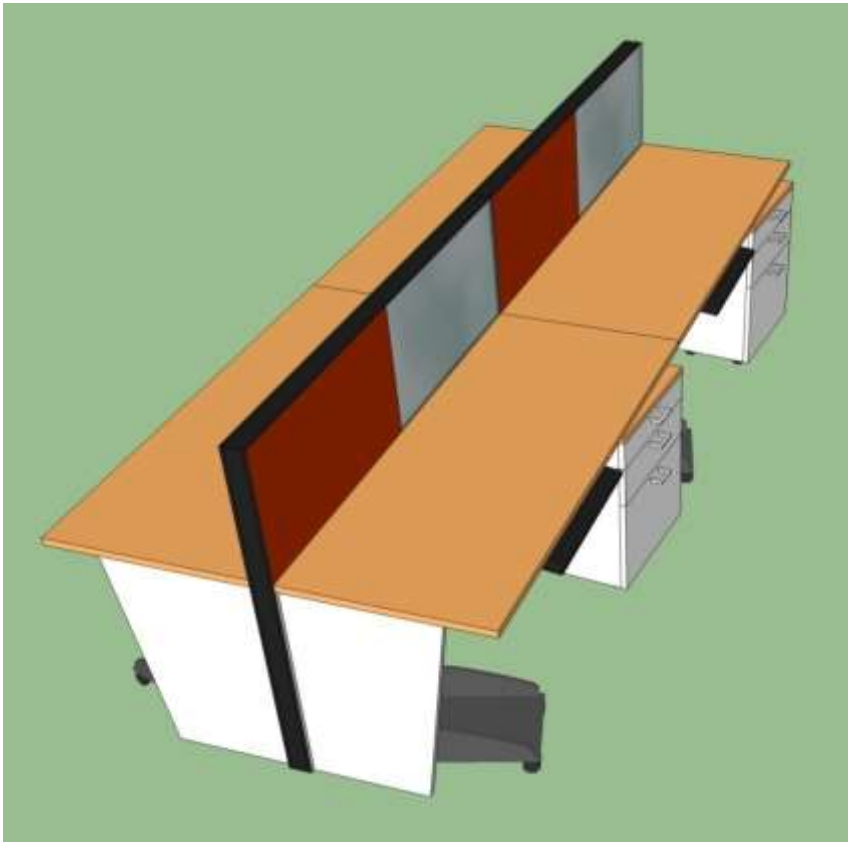
SI No	Furniture	Main Table	Side Credenza	Storage	TOTAL Units
5(ii) b	750 deep WS for Office Area Linear Cluster				
	3 modular-with 2 side partition return	1500x750	450x750	na	2

(ii)		750 deep Work Stations - Linear Clusters			
<div><div></div><div><p>#5(ii)c - 6mod WS linear Partition with one end return</p></div></div>					
SI No	Furniture	Main Table	Side Credenza	Storage	TOTAL Units
5(ii) c	750 deep WS for Office Area Linear Cluster				
	3 modular-w/o 1 side partition return	1500x750	450x750	na	2

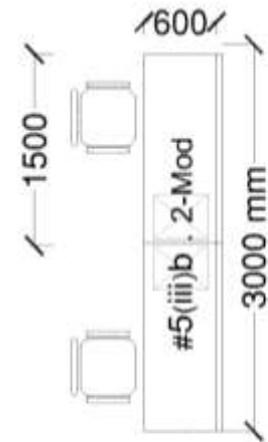


SI No	Furniture	Main Table	Side Credenza	Storage	TOTAL Units
5(ii) d	750 deep WS for Office Area Linear Cluster				
	4 modular-with 2 side partition return	1500x750	450x750	na	3

(iii)	600 deep Work Stations
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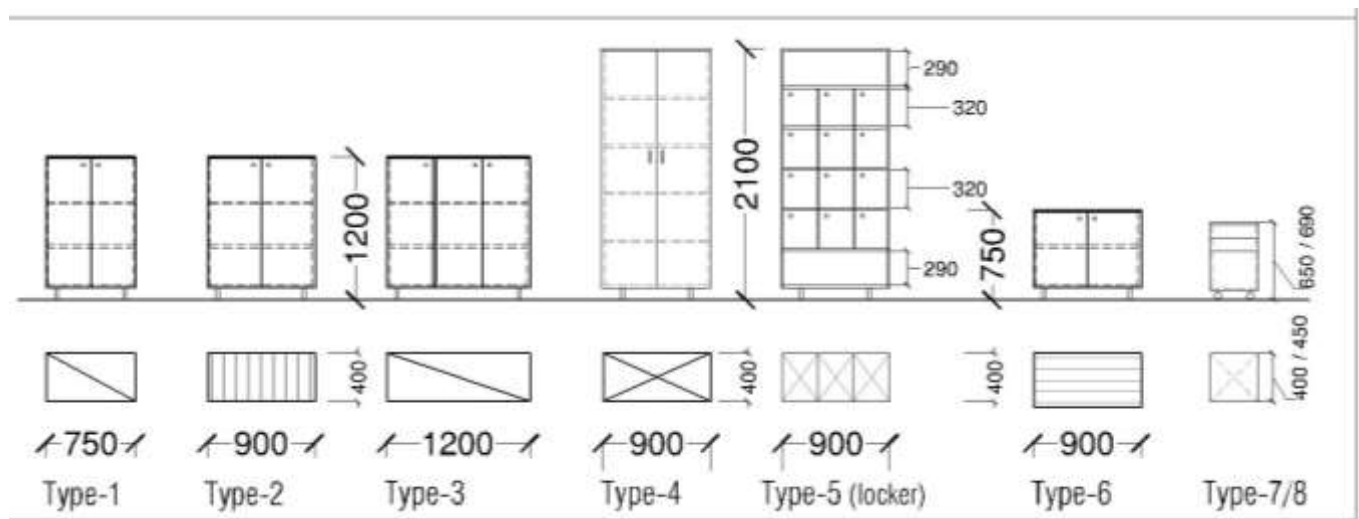
SI No	Furniture	Main Table	Side Credenza	Storage	TOTAL Units
5(iii) a	600 deep WS for Office Area Back to Back cluster				
	4 modular-w/o side partition return	1500x600	na	yes	1
note- pedestal units cquantity alculated separately					



#5(iii)b - 2mod WS 600 linear
Partition with NO return

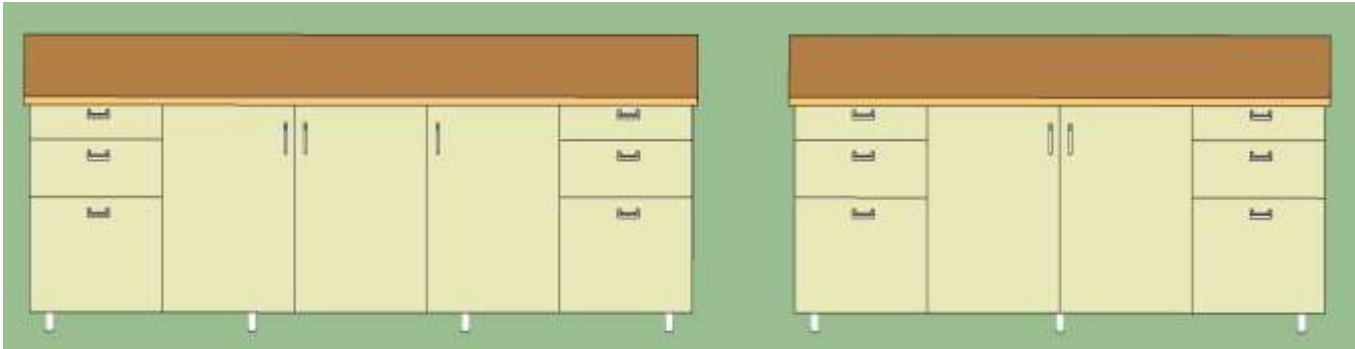
SI No	Furniture	Main Table	Side Credenza	Storage	TOTAL Units
5(iii) b	600 deep WS for Office Area Linear Cluster				
	2 modular-w/o side partition return	1500x600	na	yes	5
note- pedestal units quantity calculated separately					

6 STORAGE

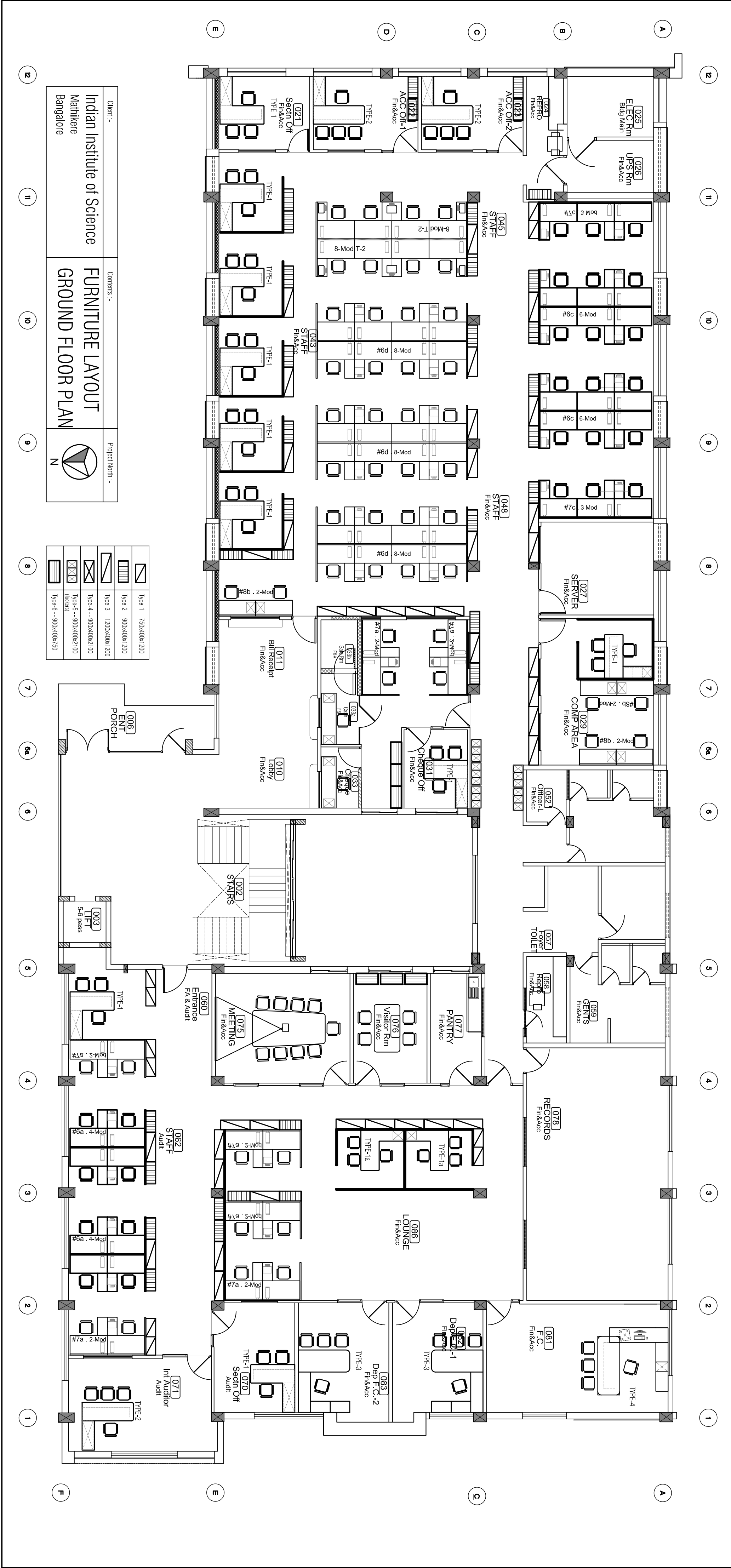


SI No	Furniture	width	depth	height	TOTAL Units
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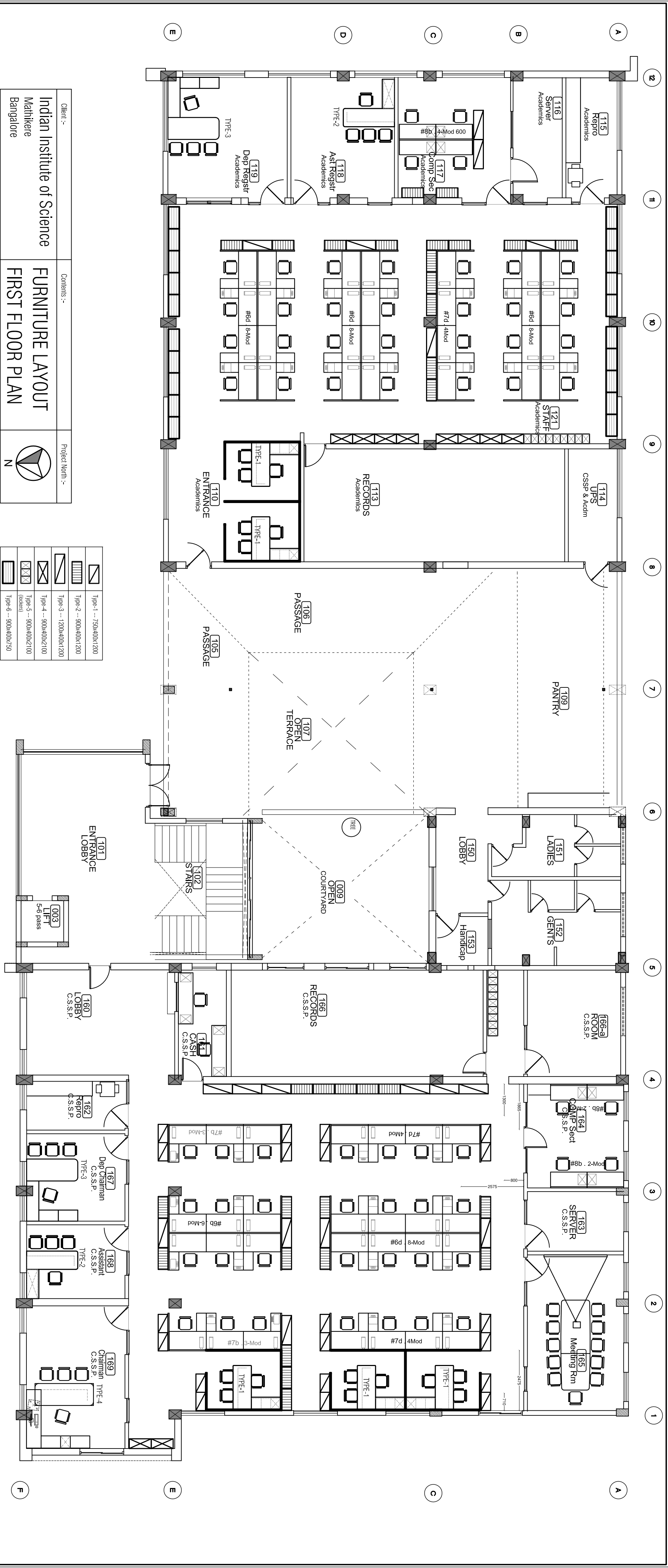
6	Storages				
a	Type-1	750	400	1200	30
b	Type-2	900	400	1200	64
c	Type-3	1200	400	1200	51
d	Type-4	900	400	2100	10
e	Type-5 - lockers	900	400	2100	11
f	Type-6	900	400	750	26
g	Type-7	450	450	690	14
h	Type-8	400	400	650	2

7	COUNTER STORAGE				
					
SI No	Furniture	width	depth	height	TOTAL Units
7	Counter Storage Units				
a	Reprographics	2400	600	800	3
b	Reprographics	1800	600	800	1

GROUND FLOOR DRAWING



FIRST FLOOR DRAWING



General Conditions for TABLES/FURNITURES/STORAGES	
1	The given layout to be marked with tape on the site before commencement of production
2	Production to commence only after approval of marking on site, final shop drawings and sample board of all colours/materials etc by the client / client representative
3	Final approval on quantity, finishes etc by client before execution
4	Modifications due to special site conditions to be brought to the notice of the client before manufacturing / installations
5	The Client may modify (add or delete) scope of work before execution
6	The project is spread across Ground and First Floors
7	All specifications as per general specifications
8	The plans and views attached are only schematic/indicative and may be modified
9	Each unit will consist of standard modules and each module will be as per general 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 inculsive of the mockup cost.
13	Mock up Sample of Double workstation module (#7a) and Officers Table (#TYPE-1) sample to be installed as part of the financial bid
14	Pedestal Units indicated to be quoted along with storages not as part of tables/workstations
15	Cost to include complete installation, cleaning & house keeping (Pre packed covering etc., complete) upto handover.
16	Final colour scheme will be decided at the time of final approval before manufacturing
17	All Fabrics, Laminates, Powder coating colurs and finishes will be of standard quality and specs
18	Fabric shade & finishes to be strictly as per Client or Client Representative
19	All powder coated materials, fabric and glass to be prepacked independently and removable on site after installation
20	Pre approved template / cutouts for electrical and other provisions
21	For a single unit with multiple locks, keys provided for each unit to be single key to open multiple locks on the same unit
22	Key sets to be 3nos each
23	Powder coating to be Epoxy Polyester for Interior Grade.
24	Powder Coat Colours are Standard and NON METALIC
25	Fixing of one member to other members only through clamps, brackets and no direct screwing
26	All facias table top/shutters/ drawer etc to be with 2mm thk edge banding
27	Aluminium furniture feet and handles to have a brush finish
28	Cost should be inclusive of Shop drawing preparation/getting approval from Client or Clients Representative/Mockups/Handing over documents (3sets) that inculudes of as built drawings, Manufacturers warrenty& Guarantee certificate for 3 years, user manuals, products catalogues, contact details etc.
29	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
30	The complete work should be carried out as per specification and as described by the Engineer-in- Charge of work.

<i>Min Specification and for Prelam particle board</i>		
SL NO	Property	ISI Specification conforming to IS 12823-1990 (Grade 2)
1	Density	500-900 kg/m ³
2	Moisture content	5-15%
3	Max Water Absorption	in Percent
	2 hours	15
	24 hrs	30
	Thickness swelling (2 hrs)	8
4	Min Modulus of Rupture	in N/mm ²
	up to 20mm thk	11
	above 20mm thk	11
5	Tensile Strength Perpendicular to surface (min)	in N/mm ²
	up to 20mm thk	0.3
	above 20mm thk	0.3
6	Screw withdrawal strength (min)	in N
	Face	1250
	Edge	750
7	Abrasion Resistance (min)	No. of revolutions
	Type 2	450

<i>Min Specification and for Powder Coating</i>

Not lesser than 50 microns thick and standard Colours
Powder coating shall be with Epoxy powder of a standard shade or as required.
The specific gravity of powder should be such that it gives DFT (Dry Film Thickness) of 50 – 60 micron.
It should withstand salt spray test of not less than 1000 hrs
SCRATCH HARDNESS TEST as per DIN 53153 shall be conducted and results should be such that no scratch shall show bare metal with a load of 3 kgs.
Seven step phosphating process treatment shall be conducted before powder coating.
(i) Hot water rinse
(ii) Knock of Degreasing
(iii) De-rusting
(iv) Cold water rinse
(v) Activation
(vi) Phosphating
(vii) Passivation.

List of Approved Hardware

SL NO	DESCRIPTION	APPROVED MAKE
1	HINGES & DRAWER CHANNELS	HETTICH,HAFFLE
2	LEGS	HETTICH,HAFFLE
3	LOCKS	HETTICH,HAFFLE,GODREJ,EBCO
4	HANDLES	GODREJ / HETTICH
5	CASTORS	EFFICIENT GADGETS/EBCO/HAFFLE
6	CPU TROLLY	HETTICH, EBCO
7	LAMINATE	GREEN LAM/MERINO/NOVAPAN
8	GLASS	SAINT GOBAIN/ MODI GUARD / ASAHI
9	FABRIC	RESPONSE/ ULIKE/GRANDHANDLOOM
10	PRELAMINATED PARTICLE BOARD	NOVAPAN/ MERINO
11	PLAIN PARTICLE BOARD	MERINO/NOVAPAN/GREENLAM
12	EDGE BANDING TAPE	REHAU/ DOLKIN
13	POWDER COATING	MARPOL, NEROCOAT, BERGER

If the approved brands are not available, equivalent make has to be approved by client before execution.

**Tender
No:R(IVA)/PUR/Workstation/2015**

**Dated: 8th December
2015**

**Fabrication, Supply and Installation of Modular
Workstations and other Furniture**

Section 5: Technical Bid

**Indian Institute of Science
Bangalore-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	Service Tax registration No. (attach copy)		
12	Annual Turnover (attach audit reports) 2013-14 2014-15		
13	Earnest Money Deposit Details (Rs 50,000/-)	Demand Draft No. Name Of The Bank Date	

14	Tender Cost (Rs 500/-)	Demand Draft No. Name Of The Bank Date	
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(Signature of the Bidder)
Printed Name

Designation, Seal

Annexure-2:

Past Purchase Orders

Details of the Purchase Orders executed during the last two years 2013-14 & 2014-15

Sl 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

(Signature of the Bidder)

Printed Name

Annexure-3:

Declaration Regarding Experience

To,

Assistant Registrar
Purchase Section
Indian Institute of Science
Bangalore-560012

Ref : Tender No: R(IVA)/PUR/Workstation/2015 Dated: 8th December 2015

Fabrication, supply and installation of Modular Workstations and other furniture

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 establishments.

(Signature of the Bidder)

Printed Name

Designation, Seal

Date :

Annexure-4:

Declaration Regarding Clean Track by Bidder

To,

Assistant Registrar
Purchase Section
Indian Institute of Science
Bangalore-560012

Ref: Tender No:R(IVA)/PUR/Workstation/2015 Dated:8th December 2015

Fabrication, supply and installation of Modular Workstations and other furniture

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm is not currently 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/Organizations /Institutoins	Reason	Since when and for how long

(NOTE: In case the company / firm was blacklisted previously, please provide the details regarding Period for which the company / firm was blacklisted and the reason/s for the same)

Yours faithfully

(Signature of the Bidder)

Printed Name

Designation, Seal

Date :

Annexure – 5:

Declaration for Acceptance Of Terms And Conditions

To,
The Assistant Registrar
Purchase Section
Indian Institute of Science
Bangalore-560012

Ref: Tender No:R(IVA)/PUR/Workstation/2015 Dated:8th December 2015

Fabrication, supply and installation of Modular Workstations and other furniture

Sir,

I've carefully gone through the Terms & Conditions as 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 :

Annexure -6:

Details of Items Quoted

<u>Technical Bid</u>							
SI No	FURNITURE	Main Table	Side Credenza	Credenza Back	Storage	TOTAL units	QUOTED Y/N
1	Worktable for Officers						
a	Type-1	1800x750	450x1200	-	-	15	
b	Type-1a	1650x750	450x1050	-	-	2	
c	Type-2	2100x750	450x1200	-	-	5	
d	Type-3	2100x900	500x1650	450x1600	-	4	
e	Type-4	2400x900	600x2400	500x2100	Type-8	2	
2	Counters						
a	Cash / cheque	2100x600				4	
3	Meeting Tables						
a	Conference - 12	3700x1200				1	
b	Conference - 10	3000x1200				1	
c	Discussion-4	2000x1050				1	
4	Partition						
	Total running length	1200 ht				110	
5	Work Table /Work Station						
(i)	750 deep Back to Back Units						
a	4 modular-w/o 1 side partition return	1500x750	450x750	na	na	2	
b	6 modular	1500x750	450x750	na	na	1	

c	6 modular-w/o 1 side partition return	1500x750	450x750	na	na	2	
d	8 modular	1500x750	450x750	na	na	8	
(ii)	750 deep Linear Units						
a	2 modular-w/o 1 side partition return	1500x750	450x750	na	na	7	
b	3 modular	1500x750	450x750	na	na	2	
c	3 modular-w/o 1 side partition return	1500x750	450x750	na	na	2	
d	4 modular	1500x750	450x750	na	na	3	
(iii)	600 deep Workstation						
a	4 modular back to back	1500x600	na	na	Type-7	1	
b	2 modular linear	1500x600	na	na	Type-7	5	
6	Storages	width	depth	height			
a	Type-1	750	400	1200		30	
b	Type-2	900	400	1200		64	
c	Type-3	1200	400	1200		51	
d	Type-4	900	400	2100		10	
e	Type-5 - lockers	900	400	2100		11	
f	Type-6	900	400	750		26	
g	Type-7 mobile pedestal	450	450	690		14	
h	Type-8 mobile pedestal	400	400	650		2	
7	Counter Storage Units						
a	Reprographics	2400x600				3	
b	Reprographics	1800x600				1	

Tick the appropriate Option and Specify OTHERS

1	PARTITION UNITS					
a	Tiling system	sliding	Clip on	Other		
b	Tiling panel	MDF	Partilce	Other		
c	Internal Frame	MS	Aluminium	Other		
d	Trims	MS	Aluminium	Other		
e	PVC edge banding on non working edges	2mm		Other		
2	STORAGE UNITS					
a	Prelam Back Panel for storage units (specify thickness)	MDF	Partilce board	Other		
3	DRAWER UNITS					
a	Drawer Inside		MDF	Other		
b	Board thickness		12mm			

All specifications as per general specifications and variations may be only wrt size

Each unit will consist of standard modules

Each Module requirement will be as per the general specification

The plan and view are for general reference and concept

Installation Rates to be included in the cost of the unit

Percentage of Taxes mentioned to be specified

Any Additional taxes to be specified

Shop Drawings to be approved before manufacturing

Sample board of all specs to be approved before manufacturing

Pedestal Units to be quoted independently with storages (not as part of tables/workstations)

Tender No: R(IVA)/PUR/Workstation/2015

Dated:8th December 2015

Fabrication, supply and installation of Modular Workstations and other furniture

Section 6: COMMERCIAL BID

**Indian Institute of Science
Bangalore-560012**

SECTION 6 – COMMERCIAL BID

(Price to be quoted in Indian Rupees)

[illegible]

[illegible]

b	Type-2	nos									64	
c	Type-3	nos									51	
d	Type-4	nos									10	
e	Type-5 - lockers	nos									11	
f	Type-6	nos									26	
g	Type-7	nos									14	
h	Type-8	nos									2	
7	Counter Storage Units											
a	Reprographics	nos									3	
b	Reprographics	nos									1	
	GRAND TOTAL											

Tick the appropriate Option (If 'OTHER' is chosen - detail to be specified in 'REMARKS')					
1	PARTITION UNITS				REMARKS
a	Tiling system	sliding	Clip on	Other	
b	Tiling panel	MDF	Partilce	Other	
c	Internal Frame	MS	Aluminium	Other	
d	Trims	MS	Aluminium	Other	
e	PVC edge banding on non working edges	2mm	0.5-0.8mm	Other	

2	STORAGE UNITS				
a	Prelam Back Panel for storage units (specify thickness)	MDF	Partilce board	Other	
3	DRAWER UNITS				
a	Drawer Inside	MDF	Partilce board	Other	
b	Board thickness for bottom	9mm	12mm	Other	
c	Board thickness for sides	9mm	12mm	Other	
	Drawer Slides	Bottom	Telescopic	Side	
	Visible edge Banding	2	0.8	other	
	Edge Banding (inside trays)	2	0.8	other	
4	TAXES		Percentage of Tax		
a	Excise Duty	Y		N	
b	Vat	Y		N	
c	Service Tax	Y		N	
d	Others	Y		N	

Signature of the Bidder

SECTION 7 – CHECK LIST

(This should be enclosed in the Envelop A)

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

- 1 Envelope “A”: Technical Bid
- a) Demand Draft for Rs.500.00 (Rs.Five Hundred only) towards cost of Bid document ☐
- b) Demand Draft for Rs. 50,000.00 (Rs. Fifty Thousand only) towards Earnest Money Deposit. ☐
- c) 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 ☐
- Annexure 6: Details of items quoted ☐
- d) Copy of this tender document duly sealed and signed by the authorized signatory on every page. ☐
- e) Checklist ☐

2 Envelop "B": Commercial Bid

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



Your quotation must be submitted in two envelopes **Technical Bid (Envelope A) and Commercial Bid(Envelope B)** super scribing on both the envelopes the Tender no. and due date and the both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed with our Tender No. & Due Date.