



STATE BANK OF INDIA
LOCAL HEAD OFFICE, KOLKATA
SAMMRIDDHI BHAWAN, 1, STRAND ROAD, KOLKATA-700 001

B. TECHNICAL SPECIFICATIONS

A. MODULAR FURNITURE

We hereby invite the quotation as per the eligible criteria mentioned below in compliance this tender technical specification from Reputed ISO Certified Modular Furniture for Office Set UP System through our L1 Contractor. The Selected L1 contractor has to submit a minimum three Reputed Modular Furniture Manufacturer Company List fulfilling the required criteria form which, he is going to procure the office furniture fulfilling the tender Specification & following Criteria.

Eligibility Criteria for Technical Bid Qualification:

1. The vender should be exclusively a manufacturer / dealer / authorized distributor of furniture and should have registered office anywhere in India but must have a branch office in Kolkata for after Sales support. Documents for the Branch office should be given.
2. The average annual turnover during the last three year should not have been less then Rs. 3 crore.
3. The document containing bids shall be free from cutting and over write. However alteration if any in the tender document, should be attested properly by the bidder.
4. The supply and installation of above items shall be made by the vender free of charges **within 30 days** from the issue of purchase order.
5. **The bidder has to provide one model of sample/detail drawing and elevation plan of required type of Modular furniture as per bank's approved plan for Technical evaluation. The vendors selected after technical evaluation will be called for price bid opening. Bids submitted without sample will not be considered for technical evaluation.**
6. Dealership certificate on the offered products in case the vendor is a dealer.
7. List of reputed organizations / Intuitions, where similar orders have been executed.
8. Up-to-date GST Clearance Certificate / Sales Tax Registration Certificate & Service Tax Registration Certificate including also the TIN (Tax Identification No.) Number of the FIRM.
9. Audited financial statement and IT return for any three years from 2014 to 2019 Copy of PAN Card.
10. Vendor must have ISO 9001: 2000 and ISO 14001:2004 Certified Company. Copy of ISO-9001:2000 and ISO 14001:2004 must attached with this. A Copy of IGBC/BIFMA certificate is preferable.
11. Details & nature of maximum warranty period offered by the vender.

12. Vendors must have complete at least one similar type job of minimum value of Rs 50 Lacs or Two Similar Type jobs of Rs minimum Rs 30 Lacs or Three Silimar jobs of Rs 24 Lacs. Completion certificate along with copy of Purchase Order / Work Order should attached with Technical Bid. Please note the jobs should be done for Central Govt / State Govt / Govt undertaking./ Reputed PVT Ltd Company
13. The vendors should have PF and ESIC (Employees State Insurance Corporation) registration. The documents should attach with technical bid.
14. Bank will not provide any Way Bill or Road permit.

All the document submitted including tender document should be duly certified by the authorised signatories.

I. 60MM THICK PANEL BASED MODULAR PARTITION SYSTEM

A. PARTITION PANELS

The thickness of the partition is 50mm. the partition is made of MDF boar of 8 mm MDF boards with appropriate material to give strength, stability and other functional needs. The skin of the partition will be made of two layers of 8 mm thick Prelaminated MDF board or 8 mm MDF board covered with fabric except where glass is required. As per design soft board and white marker board are provided. The partition panels are finished with fabric/ laminate/ glass or in combination as per design. The glass panels will have plain glass of 6mm thickness.

The partition has exclusively designed Aluminum extrusions for the top trims, raceway covers, cable tray, corner trims and channels for glass. Each partition panels is provided with leveling bolts to take care of the unevenness in the floor level. The partition panels can be made to any height as per client's requirement .The panels are joined by slotted ms channels. The slot is used to fix work surface and storages with the help of ms brackets at any desired height.

B. Raceway And CABLING FACILITY

All the partition has two integrated raceway provided one at skirting level and another at the work surface level thus ensuring separation of power and networking cables. The free space available within raceway accommodation power, data and communication cables.

The cable can be taken into the panels from the bottom through floor trucking. Once the cables enter the panels it can be taken for one end to the other end continuously as per

Power/Lan layout plan. Approximately 90 to 100(5mm dia) cables can be accommodated in the raceway channels. The raceway at the skirting level will be provided with CRCA .8 MM with Powder coating snap cover on both side of Skirting level only. The second raceway at the table top level will not have a snap cover but instead the slot cutting of the switches will be done on the laminate or fabric panel. The cable running at skirting level can be terminated at table top level through disciplined wiring channels provided inside the panels. The partition panels have aluminum cables tray at skirting level to carry the cables away from the floor. The raceway cover at the skirting level will be provided with appropriate electrical switch cutouts, as per the samples of switches. The switch cutouts for above table top will be done on the laminate or fabric panel as indicated & number Of cutouts in each workstation would depend upon the size of the switches.

C. WORK SURFACE

The Work Tops is made of 25mm thick MDF board. The surface will be post formed by 0.8mm thick laminate to provide rounded edges. The bottom surface will also be laminated. MS brackets that will be powder coated to 50 to 60 microns will support the worktops. The tables will be lipped with the Pvc edge band of 1.0mm to 2.0mm thickness. The CNC machine provides high level consistency in dimensions & curvilinear profiles.

Following are the Exclusive features:-

- a) The table tops will be provided with wire manager for cabling.
- b) The work surfaces with straight portion curvilinear profiles to add to the aesthetics and ergonomics.
- c) The work surface can be fixed to any desired height and subsequently changed to any height very easily without the necessity to dismantle the complete system.
- d) The work surfaces are offered in a variety of shapes and sizes to meet the functional/aesthetics requirements. E.G typical computer workstation, peninsular, circular, semicircular, elliptical table **tops**.

II. DRAWER UNITS AND STORAGES:

3D pedestal (Post formed top)(mobile) size: Minimum 400(W)X495(D)X700(H).

It is mounted on twin wheel lockable 4 nos of castors and consists of 2 small drawers and 1 full drawer. The bottom and sides are fabricated out of 18mm thick.1 side pre laminated board. The fascia is fabricated out of 18mm thick MDF board with laminate finish. The top is of 18mm

MDF board 0.8mm thk. Post formed laminate on top position 0.7mm thk. Balancing laminate on back. The back will be of 9mm thk MDF boards. The side panels of drawers fabricated out of MS sheets & bottom with MDF boards and assemble with drawers, runners, for smooth operation. A single locking system is provided. All metal components will be finished in epoxy powder coating. All exposed edges will be 1.2 mm thk. PVC lipping finish.

VERTICAL STORAGE UNITS (PRE LAM FINISH)

All components except top & bottom are fabricated out of 18mm pre laminated boards (PLB). The outer structure is made out of 18mm pre laminated boards (PLB). The back of the unit is made from 9mm PLB. The units are assembled by knock down fittings such as Minifix & Dowels. The shelves are made out of 18mm PLB, which are adjustable in height. The shutters are made out of 18mm PLB and fitted by auto-closing hinges and with suitable locking arrangement. The handles are of brush steel finish. All storages are provided with suitable levelers to cater for floor undulations. The necessary knock down fittings, locks, and stoppers will have to be provided. All board components edge are finished with PVC Lipping. The 750mm High VSU will be provided with sliding shutters while 1200mm high VSU will be provided with openable shutters. The top is fabricated of 25mm prelam MDF board with PVC Lipping.

There should be minimum of 100mm skirting and 10-20mm height adjustable system at the bottom to adjust unevenness of the floors. While for 1200mm high there should be 2 shelves and for 750mm high there should be 1 shelf. All shelves will be adjustable. For 2100mm High storage there should be 4 shutters, 2 partitions & at least 5 shelves. If the storages shall be metal box type, then all exposed position will have to be covered with the 18mm thk. Pre lam MDF board.

IV. DISCUSSION AND CONFERENCE TABLES

The discussion and conference tables are also offered to meet the complete office needs. The supports will be made of either steel pipes or 25mm Pre laminated board. The legs will be provided with leveling screws. The Tabletops are lipped with PVC edge band. The conference tables are made modular to increase / decrease the capacity.

For Round Tables:

The Table top is made of 12 mm thk. Tinted glass whose edges will be properly beveled of 25mm. The top is supported on metal base of 150 mm dia. The dia. Of 150mm should have rubber shoe at the finishing point for water Protecting.

For Big Conference Table :

The top is fabricated out of 37 mm MDF board with duly PU coating on the top position while the back side of the top, Should have the balancing laminate. The edges will be duly chamfered on and finished with PU coating. The Top will be supported on 25mm black stained boards side. The shape of the table will be oval whose middle part will be 1000mm wide while the two ends will be 750 mm wide. All board sides will be interconnected to increase the strength of the table. ON the middle of the table top there should have complete wire management facility both for the LAN socket and for the electrical socket.

LIST OF APPROVED MAKE & MANUFACTURERS FOR MODULAR FURNITURE WORKS

The Contractor shall quote for the best of the materials as specified below with ISI mark wherever applicable. The Contractor shall obtain prior approval from the Employer/Architects before placing order for the specific materials agencies. In case of non-availability of any of the approved/specified materials/Agency, during the execution of the work, the Employers/Architects may approve suitable equivalent brand/Agency and his decision shall be final and binding on the Contractor and the price variations, if any, shall be adjusted accordingly.

Items	Name of the Manufacturer
Modular Work Station Make	M/S ISO Certified Reputed Make Approved by EIC Through Pre-Qualification Norms as laid Down in this Tender. Or M/S Godrej/Wipro/Featherlite Maximum Delivery Time: Four Weeks. Detail Drawing to be Prepared for Modular Supplier/Vendor.
a) Aluminium extrussions for Doors abd Partitions	INDAL/HINDALCO/NALCO
b) Brass	M/S Vijay Industrial Engineering Corporation
c) Locks	M/S Armstrong/ MS Vijayan/EPCO
d) Screw	M/S Nettle/ G.K.W./Hafele/Hittich
e) Castors	M/S Egni/Epco/Regal Castors
f) Glazing	M/s Modi/ M/S Saint Govin

g) Prelaminated MDF Board Interior grade with ISI Mark	M/S Centrury Plyboard/M/s Greenply
l) Laminate	GREENLAM, CENTURYMICA, ROYAL TOUCH,
j) Furnishing Fabric	Response Fabric Praveen Kumar/Vimal Harmony
k) Hardware	M/S Hittich /M/s Hafele/M/S EBCO/M/S Slide System
l) Powder Coating	Eight Processing (40 to 50 Micron) Epoxy Finish.
j) Metabox	HAFFLE/HITTICH/EBCO/Samet
k) Hinges	HAFFLE/HITTICH/EPCO/SAMET
L) Door Loaser	HAFFLE/HITTICH/STERLING/SAMET
m) Floor Spring	HAFFLE/HITTICH/Dorma/SAMET
n) PVC Lipping	Rehau/Dolkin/M/s Asis/M/s Fibro
o) MDF Board	Centrury Ply/Green Ply/Equivalent

All above Documents have to submitted by the L1 Selected Vendor within three days from the date of receipt of work order, If fails to submit, then his tender may liable for rejection.



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PREAMBLE TO BILL OF QUANTITIES

Bidders are advised to quote their rates after due consideration of the following pertinent:

- Actual site conditions including working time that would be available to them as per standing rules
- Material access regulations of the building including permission of use of lifts and stairways
- Temporary storage provision of disposable materials arising out of the work
- Security measures and permissions required to be observed and obtained in consultation with the representatives of the landlords and act strictly according to the same.
- Traffic regulations of the City Police in order to organize trouble free access of materials
- The work has to be executed in close and effective co-ordination with other executing agencies who shall be working simultaneously
- Any other governing issue or issues likely to have impact on the productions rate and cost of work
- The variation or modification of the work or the addition or omission or substitution of any part of the works.

- All measurements shall be in metric system. All the works in progress shall be jointly measured by the authorized agent of Contractor & EIC. Such measurements shall be got recorded in the measurement book by the EIC or his authorized representative and signed in token of acceptance by the contractor or his authorized representative.

- No work will be paid for unless found satisfactory and carried out strictly in accordance with the Specifications by the Company and certified by the Engineer to such effect.
- The Contractor shall be solely and exclusively liable and responsible for compliance with all existing applicable safety laws, rules and regulations, the safety of workmen
- In the event that the Contractor's performance is found to be unsatisfactory, the company shall reserve the right to terminate the order merely by giving a minimum notice of 7 (seven) days. The assessment of the Company about the performance is final and is binding on both the parties. The Contractor shall also hand over to Company all documents & drawings pertaining to the project.



I) Specification Guide for Execution of Interior Work

1. **MODULAR GRID CEILING:** Providing & Fixing of modular grid ceiling at all heights of 600X600X15 mm of Armstrong Mineral Fibre Acoustical Suspended Ceiling System/Any equivalent Make with (MICRO LOOK) EDGE TILES PRODUCT CODE H-1893M WITH ARMSTRONG SILHOUETTE B/R (black Reveal) EXPOSED GRID.

The tiles should have Humidity Resistance (RH) of 99%, NRC 0.50, Light Reflectance >85%, Thermal Conductivity $k = 0.052-0.057w/mK$, Colour White, Fire Performance Class 0/Class 1 (BS - 476) in module size of 600mm x 600mm x 15mm with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 58%.

The tile shall be laid on Armstrong Silhouette profile grid system with 15mm white flanges incorporating a 6mm central reveal in black colour and with a web height of 38mm and a load carrying capacity of minimum 15 Kgs/M². Silhouette, Main Runners & Cross Tees to have mitred ends & "birdsmouth" notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 120 grams per M² & passed through 500 hrs of Salt test.

The Tile & Grid system used together should carry a 15 year warrantee.

INSTALLATION: To comprise main runner spaced at 1200mm centre securely fixed to the structural soffit using Armstrong suspension system (specifications below) at 1200mm maximum centre & not more than 150mm from spliced joints. The First/Last Armstrong suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall.

1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm modules to be formed by fitting 600mm long cross tees centrally between the 1200 mm cross tees. The 1200mm cross tees to have central "birdsmouth" notches to facilitate fitting of 600mm cross tees. Perimeter trim to be Armstrong shadow wall molding (dimensions: 19x7x7x14mm), secured to walls at 450 mm maximum centers.

ARMSTRONG/ Equivalent SUSPENSION SYSTEM accessories manufactured and supplied by Armstrong World Industries consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanised steel of size 26 x 26 x 25 x 1.2mm with a Galvanised Thickness of 80gsm, A pre Straightened Hanger wire of dia – 2.68 mm of 1.83 m length., thickness of 80gsm and a tensile strength of 344-413 MPa, along with Adjustable hook clips of 0.8mm thick, galvanised spring steel for 2.68 mm with a minimum pull strength of 110 kg. The adjustable clip also consists of a 3.5 mm aquiline wire to be used with the main runner.

RATE: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed. The area of the ceiling where full tile size light fixture are installed, will not be deducted from the total quantity executed, however the cost of tiles where the full tile size fitting are installed will be deducted as per the market rate.

The work shall be executed through authorized applicator of Approved Make. The contractor has to submit the certificate from the company for the use of Approved Make Sections & boards

along with the final bill

Plain Gypsum board false ceiling:

2. **Basic Frame Work:** Providing and fixing in position dropped ceiling in two levels including vertical surfaces in between two level of ceiling surface by using standard company sections (Gypsteel Ultra) which includes providing & fixing g.i. perimeter channels of size 0.5 mm thick having one flange of 20 mm & another flange of nylon sleeves & screws, at 610 mm centers, then suspending g.i. intermediate channels of size 45 mm, 0.9 mm thick with two flanges of 15 mm each from soffit at 1220 mm centers with ceiling angle of width 25mm X 10 mm X 0.5 mm thick fixed to the soffit with g.i. cleat & steel expansion fastener ceiling section of 0.5 mm thickness having knurled web of 51.5 mm & two flanges of 26 mm each with lips of 10.5 mm area then fixed to the intermediate channel with the help of connecting clips & in direction perpendicular to the intermediate channel at 457 mm c/c.

Finished: 12.5 mm tapered edged gyp board (confirming to IS-2095-2011) is then screw fix to ceiling section with 25 mm drywall screws at 230 mm centers, screw fixing done mechanically either with screwdriver or drilling machine with suitable attachment.

Standard company manufactured sections (Gypsteel Ultra) should be used for the entire framework. Finally the board of size 6'X4' are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, paper tape only as per recommended practices of **Saint-Gobin Gyproc India Ltd.**

General Note for the Item Rate Include: the job include applying two or more coats of acrylic emulsion paint in the standard procedure of the painting job as per the shade & finished suggested by the EIC. The cutouts for variety of light fixture & other equipments etc & the same have to be made with the frame of perimeter channels of size 20 mm X 27 mm X 30 mm X 0.5 mm thick supported suitably, no extra will be paid for this. Edge bid has to be used to protect the exposed gypsum core i.e. cut edges of opening for light fixtures. The square edge joint shall be filled with jointing compound & paper tape, additional g.i. or c.p. teak wood support shall be provided for fixing of variety of light fixtures, a.c. continues grill, diffusers etc.

All section visible from a.c grill shall be painted in black colour. The final visible plan & elevation area will be considered for the measurement purposed. The work shall be executed through authorized applicator of **Saint-Gobin Gyproc India Ltd.**

The contractor has to submit the certificate from the Gypsum India for the use of company sections (all) & boards along with the final bill. The contractor must get the worked checked from the company's representative – on one completion of the ceiling & second on completion of boarding before putting top coat. The work includes to the shape areas & also the coves as per the lay out & shall be measured in Sqmtr. only.

NORMAL WORK STATION:

Basic Structure: Made out of 19mm thk. ISI marked phenol bonded BWP b/board on vertical sides as well as horizontal top surfaces having work top 900mm deep, 750mm height from FFL. Each counter unit is approximately of 1500mm long divided with vertical separator having 1 no.

3. drawer unit. The work top is to be fabricated out of 19 mm thick BWP block board up to 700 mm depth to the front, and thereafter, a **double layer of flexi-ply (12 mm + 6 mm thick)**, curved downwards with a turning radius of 75 mm & stiffened properly to the front modesty panel with appropriate wooden sections, is to be fixed with necessary fittings to the block board in order to have a projection of 200 mm towards customer side beyond the front glass. The front modesty panel is to be made out of 19 mm BWP block board. Also, a 25 mm X 25 mm groove at a height of 375 mm from FFL along the length of the front modesty panel is to be provided to facilitate fixing of LED light. **DETAIL As per Drawing below.**

Drawer unit: Below the Working Counter there shall be a pedestal unit made up of 12 mm ply from sides & 6 mm ply from base which **consisting of one tea tray & two drawers, the top would be of 200 mm depth & the other of remaining depth. All drawers are to be fitted with sliding telescopic channels, where the slides are to be fitted with multi-latch of approved make. The drawers are to be provided with auto locks of approved make & powder-coated "D" handles. Also, the bottom of the drawer unit is to be fixed to a 75 mm X 37.5 mm teak wood framework with polished finishing. Inside surface of the drawers is to be painted with synthetic enamel paint of approved make up to matt finishing.**

General: Each counter shall be provided with one keyboard M S tray provided with telescopic channel, CPU Trolley of Innofit or any other approved make, PVC wire manager system with necessary cut outs in the structure & A full length foot rest made up of hard wood 3"X1.5" section shall be provided at 4" above F.L.

Finishes: The entire work station shall be **1 mm bi-colour laminate** Finish on horizontal & vertical surfaces in two colour combination of **Approved Make** on all open external sides. It will be in balancing laminate on internal surfaces including drawers. All Non laminate surface of counter, pedestal is finished with smooth matching melamine polish. All free edges of block board and ply duly finished with teak wood beading / lipping as directed.

Rate: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directe

5.FREE STANDING TABLE: (In case of Carpentry Work)

Basic Structure: Fabricated out of 19mm BWP b/board with Tea Tray & drawer unit on one side & Side credenza on the other side of the table. The Table shall be made of 19mm BWP grade b/board front top sides & front modesty panel with dove-tail jointed junctions. The modesty panel is to be fixed to the bottom of work top block board 150 mm behind the front edge. A glazing is to be done on the modesty panel fascia with 12 mm thick machine polished transparent toughened glass, fixed with continuous polished white beech wood beading as per design. The glass is to be set in the modesty panel from a height of 200 mm up to 650 mm from FFL. **DETAIL AS PER ABOVE DRAWING.**

Drawer unit: Each table shall be provided with a drawer unit of 21" deep 16" wide comprising of 1 no. tea tray, **2 numbers of sliding drawers each of 150 mm depth and one deep drawer of**

remaining depth after leaving 3 inch skirting from bottom floor level fitted with full panel telescopic drawer slides of Approved Make with individual locking system, powder coated "D" handle. A wooden member of size of 2 ½"X3/4" shall be fixed between each drawer. Inside surface of drawer unit should be painted with matt finished synthetic enamel paint.

General: Each counter shall be provided with one keyboard M S tray provided with telescopic channel, CPU Trolley of Innofit or any other approved make, PVC wire manager system with necessary cut outs in the structure & A full length foot rest made up of hard wood 3"X1.5" section shall be provided at 4" above floor level.

4.

Finishes: The work top is to be finished with [12 mm thick solid surface material], or, [1.5 mm thick high gloss laminate], or, [4 mm thick teak wood veneer with high gloss Polyurethane coating] of approved shade & make on the surface, as directed. It will be in balancing laminate on internal surfaces including drawers. All Non laminate surface of counter, pedestal is finished with smooth matching melamine polish. All free edges of block board and ply duly finished with teak wood beading / lipping as directed.

Rate: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed.

Full height solid/glazed partition (64mm thickness):

Basic Structure: It shall be made from internal frame of size 50mm x 50 mm x 1.6 mm hollow aluminum square tube placed 600mm c/c both vertically and horizontally, fixed by means of aluminum angle of 25x25X25 mm size for proper fixity. The Entire Aluminum frame work shall be covered with 6 mm thick ply on both sides. All open sides of the frame work shall be covered with 12mm thick ply to cover the entire thickness of partition. The upper portion of the partitions will have 6/8 mm thick clear glass required as per size of glass, fixed with 10 mm thick (F.S) wooden molding with suggested grooves to cover the full thickness of partition .The lower portion of partition up to 3ft will have internal frame work as detail in above. The same shall be then covered by 6 mm thick ply panels to get flush type partition. A wooden beading of 2 ½"X1/2" shall be provided as all open thickness of the partition for door opening & fixing of glass. The hinge side aluminum frame shall be fixed with wooden section. In case of solid partition, the entire surface will be finished with opaque finished with play & laminate excluding the glass with same section as mentioned here.

General: All the gaps either vertical or horizontal shall be filled properly with ideal material. All the vertical members of the partitions shall be carefully inserted/fixed in the floor (without damaging the floors) & also shall be fixed to the structural ceiling for proper strength. Necessary provision shall be made in the partition for Electrical Conduits, switch boards, ac drain lines & ac's etc as required. The common member of partition & frame of door will be consider in the item of partitions .**Only below the ceiling area will be consider for measurement purpose, however the partitions shall be raised 3" above the false ceiling level for fixity for the ceiling & also all vertical member shall be taken up to the slab/beam bottom.**

Finishes: All the external ply wood components shall be finished with 1 mm thick laminate in two color combination laminate finish of approved shade on both sides & also thickness of the partition. All external wooden members shall be melamine matt polish finish.

Rate: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed.

Low height solid/glazed partition (64mm thickness):

Basic Structure: It shall be made from internal frame of size 50mm x 25 mm x 1.6 mm hollow aluminum square tube placed 600mm c/c both vertically and horizontally, fixed by means of aluminum angle of 25x25X25 mm size for proper fixity. The Entire Aluminum frame work shall be covered with 6 mm thick ply on both sides. All open sides of the frame work shall be covered with 12mm thick ply to cover the entire thickness of partition. The upper portion of the partitions above 3' level have 12 mm thick clear glass with all open edge polished & necessary cutouts as directed, fixed with glass bracket. In case of solid partition, the entire surface will be finished with opaque finished with play & laminate excluding the glass with same section as mentioned here.

General: All the gaps either vertical or horizontal shall be filled properly with ideal material. All the vertical members of the partitions shall be carefully inserted/fixd in the floor (without damaging the floors) for proper strength. Necessary provision shall be made in the partition for Electrical Conduits, switch boards, ac drain lines & ac's etc as required. The common member of partition & frame of door will be considered in the item of partitions. To the shape on site measurement will be considered. The partitions will have a cutout in glass for tray for voucher movement between counter.

Finishes: All the external ply wood components shall be finished with 1 mm thick laminate in two color combination laminate finish of approved shade on both sides & also thickness of the partition. All external wooden members shall be melamine matt polish finish.

Rate: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed.

8.Storage Cabinets/credenza: General Purpose of Various sizes & heights as directed

a) Filling cabinets With Sliding Shutter: It shall be made of 19 mm thick board on all five sides while back surface shall be made of 6 mm ply. The storage space will be separated by 19 mm block board at suitable location so that each block will be 500 to 750 mm equal parts. The sliding shutter shall be provided with Godrej lock, Ebco/Hettich to be fitted for bottom running sliding doors side line 56 without silent system assembly & handle of standard quality to be flush with ply/blockboard. The exposed surface shall be laminate with 1 mm thick laminate of approved colour. The inside surface shall be finished with putty & enamel paint over a coat of primer. The bottom of the cabinet is to be fixed to a 3" x 1.5" teak wood framework polish finished & free edges of block board shall have polished teak wood half round moulds out of 20X20 mm section.

Rate: Quoted rates shall include cost of all material, labour & necessary hardware viz. handles, locks with key in duplicate, approved sliding channel of Ebco make/Equivalent etc complete in all respects.

b) Filling cabinets With openable shutter : Low height/Full height as per drawing:

Providing and placing in position Storage units fabricated out of 19mm thick BWP block board

on all sides, backing and separators will be of 6mm thick BWP ply, shelves will be of 19mm thick BWP solid ply. There will be 19mm thk. Ply shutters of full length with powder coating louvers matching with the color of the laminate for air circulation fixed with Auto- hinges at approx. 3ft. The top, sides, shutter front and back sides (if exposed) to be finished with 1mm thick bi-colour laminate with necessary grooves and the exposed edges of block board should be finished with 6mm t.w. lipping. There should also be a 75 x 12 mm t.w. skirting with grooves as per design polished in matching tone. Inside of the unit will be painted with putty & synthetic enamel paint over a coat of approved primer.

Rate: Quoted rates shall include cost of all material, labour & necessary hardware viz. handles, Multipurpose locks with key in duplicate, S.S hinges, magnetic catches, D" type steel matt finish metal handles etc complete in all respects.

9. Column/Wall Paneling: Basic Structure: Providing & Fixing of wall paneling/column encasing for all heights by putting Aluminum Frame work of size 37.5X25X1.2 mm thick at suggested interval, fixed with 1"X1"X1" Al. angle for proper fixity (not more than 2ft on both direction, covered with 6mm thick ply fixed on entire frame work. The paneling should have necessary cutouts for electrical conduit/switch boards/boxes. The entire paneling shall be constructed in complete line & level by putting necessary packing as per the site condition.

For Wall/Column veneer paneling with 37.5 mm x 25 mm x 1.5mm hollow aluminum square tube frame work placed at 450mm / 600 mm c/c as per site condition screwed to the wall and finished with 4mm veneer of approved shade & brand duly polished over 12 mm BWR ply complete.

Finishes: All the external plywood components of entire paneling shall be finished with 1mm thick 2 color combination laminate finish. Skirting of 100mm high x 12 mm thick polished Teak wood or steam beech wood skirting with NC lacquer in Matt finish. For veneer paneling

Rates: Quoted rates shall include all necessary materials, accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits & switch boxes etc. complete with necessary jacking /thickening of panels to accommodate conduits/ switch box etc as directed.

10. System Table In Server Room: The unit will be a running table made of 19mm thick block board/plywood of sides & top, back out of 6mm BWP ply having width 750 mm (w) x750mm (h). At each 1000 to 1200mm length, the unit shall have one tea tray & one drawer and one cupboard provided with telescopic channel. Measurement shall be in running meter length. Necessary vertical support (19mm block board/ply) shall be provided for drawers as specified elsewhere in the tender.

General/Finishes: There should be provision for 2 numbers keyboard & cable manager system with necessary cutouts in top surface. The entire counter type workstation shall be 1 mm thick laminate finish of 2 color combination on external sides & in balancing laminate finish on internal surface including the drawers. All free edges should be beaded properly & members shall be melamine matt polish finish.

Rate: Rate shall include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed.

11.Side unit/credenza:

- The side unit shall be made of 19mm thick BWP grade block board for sides, top, bottom, divider shelf back with 6 mm BWR ply. The unit is having the size of 400mm x 750mm & approximate length of 1 mtr. Consisting of 1 no. of drawer & cupboard of length 21" & rest will be made as
6. shelf with an intermediate 19 mm block board at center. All exposed portions like top, side & shutter to be finished with 1mm thick decorative laminate & inner surface with mat finished enamel paint. The rate also inclusive of all approved fittings like lock, handle, hinges & telescopic channels etc complete in all respects as directed.

Flush Door:

It shall be made from 35 mm thick factory made shutter of Century/Mayor / Mars /approved ISI consisting of solid core block of board bonded with phenol phormaldehyde synthetic resin conforming to IS: 848 and finished on both faces with teakwood veneering of 3.5 mm thick, including providing and fixing 'T' type second class teakwood perimeter beading fixed by means of approved quality neoprene based adhesive and nailing @ 300 mm max.

In case of Glazed Door, the same will be made of with above specification with 8 mm thick float glass from 3ft finished floor level up to 6" below the door pasted with etching as per design & finished with 1.0mm thk. Approved Colour laminate sheet of approved make on both sides.

General: the door shall be fixed with all necessary hardware fittings such as 125mm long S.S. butt hinges [for each shutter] (vertical spacing not exceeding 600mm), door stopper, 6lever Godrej Mortise door lock finishing etc. all conforming to IS : 2202. All free edges shall be duly polished with 3 coats of lacquer melamine and fixed to the partition frame.

Rate: Rate shall be include all the items mentioned above/elsewhere in the contract including all labour, material, equipments & the hardware as required in complete all respect as per drawing as directed.

I) List of Approved Brand and/or Manufacturer for Interior Furnishing Work.

SR. NO.	Description	Name of the manufacturer
1	a) Locks b) Floor Spring, patch Fittings c) door closer/stoper	Godrej /Ebco/Hettich EVERITE,, Dorma/ Godrej/ Door set/ebco/Ozone SS mat finished-push type only
2.	Night Latch	Godrej/Doorset/Europa of S.S brush Finished
3.	Glazing	Aasahi , TATA, Modi Guard or Saintgobain
4.	Ply wood /B. Board All BWP/BWR Grade Confirming IS 303/1659	Century/ Green/Austin/ equivalent as approved by Bank's engineer.
6.	Flush Door (B.W.P.)	Mayur/Green/Century

	confirming IS-2202 (Part-1)	
6.	Teak Wood Veneer (Natural)	Century/ Green/Any Equivalent As Approved by EIC
7.	Mineral fiber board ceiling	Armstrong /USG/Owa
8.	Gyp board False ceiling	India Gypsum Ltd./USG
9	Handles, tower bolts, Drawer slide channels Telescopic,	Ebco/Hettich /Innofit/equivalent premium quality bottom mounted
10	M S Key board tray without mouse	Ebco/Hettich/Innofit /Featherlite
11	Vertical blinds	Vista/EGL/equivalent.
12	CPU Trolley	Ebco/hettich/Innofit/Featherlite
14.	Chemical Adhesive	Pidlite/Quickfix/ Latticrete
15.	Motorized/ Manually Operated Blind	Vista Levolor/ MAC/ Hunter Douglass
16.	Aluminum Composite Panel	Aludecor /Alex /Alubond or Alstrong
17.	Adhesive	Movicol / Fevicol / Aralditeicol / Araldite.
18.	Vinyl Flooring	Regent Winner/Armstrong/any equivalent
19.	Aluminum Tubular Section:	Minimum 1.5 mm thick of Jindal/Hindalco/Indal(2"X1"/1"X1")
20.	Melamine	Asian Paint,Shalimar,ICI
21.	Solid Surface (100 % Acrylic)	Corian (M/S Dupont)/ Equivalent as approved by EIC.

ii) List of Approved Brand and/or Manufacturer Civil Work.

1	GI Pipes	TATA(Medium)
2.a	Oil & cement paints All type	Berger /Asian /Dulox /equiv
b	Wall Putty	Birla White/ J.K white
3.	Glazing	TATA, Modi Guard or Saintgobain
4	Cement	JK. Ultratecg, Acc/Lafage/equiv
5	Sand/aggregates	Locally available good quality sand & hard aggregates approved by EIC
6	Ceramic tiles	Johnson / Somany/ Nitco/equiv
7	Double glazed vitrified tiles	Kajaria/ somany/Nitco
8.	Texture Paint	Berger /Asian /Dulox/Nerolac
9.	Vertical Blinds	Vista Levolor/ MAC/Equivalent
10	Reinforcement	SAIL/TATA/Jindal Steel

Bidders are advised to quote their rates after due consideration of the following pertinent:

- Bank reserve the right to **insist on selection of material**, workmanship, detailing & finishes, which they consider as appropriate & suitable for intended use. The contractor is not eligible for extra on this account.
- Bank will require the contractor to **produce samples of all materials**, accessories & finished prior to use in the site. There by submitting the list of selected material approved by Bank's Engineer from the sample & then after the material can brought to site for carry out the work. Failure to comply with these instructions will result in rejection of work. Whenever decorative ply wood veneer/ Laminate are specified, it must be ensured that the specified veneer or laminate shall be matching veneer/laminate as directed. The grains of veneer & the colors of laminate are as per the approved shade. Bank have right to reject if above specification is not adhered to. Whenever polishing is specified, it should be high quality melamine finished sprayed or hand applied to high gloss or matt as directed at site & strictly be carried out as per Manufactured specification
- The dimensions provided in the drawing as well as in schedule are likely vary slightly according to the size available in the premise are where they are to provided or placed. Bank has the right to slightly modify the dimensions of items to suit the site & no claim therefore shall be made by the contractor.
- In all cases of measurement will be made on net items as supplied & installed in site. Wherever areas are furnished in square meter for items, such as carpet, vertical blinds, curtains etc, payment will be made on actual area laid to suit the shape & size of the room. The tenderer should note that all cutting wastages ,stitching ,jointing & several special features such as pleats ,overlap ,hem etc shall be absorbed by them within the quoted rates & no separate payment will be made for above & similar items. The partitions will be measured in visible area (below false ceiling portion) however the supported frame should be provided & anchored in to the ceiling. The frames shall be covered with 6 mm thick plywood above false ceiling within the quoted rate.
- The successful tenderer shall make cut-outs for tube light, spotlights, duct doors for specified size, grill etc in the false ceiling including providing additional supports around the cut-outs & also support from the support from the ceiling within the quoted price. Actual "seen" surface plan area & vertical will be measured & paid for. The cut-out area each more than 0.5 Sqmtr will be deducted from the actual "seen" plan area measurement.

- The successful tenderer shall provide brass oxidized hardware fittings of approved quality having ISI marked as listed above. Samples of all hardware fittings shall be got approved by Bank Engineer well in time, before procurement
- The successful tenderer should arrange labour accommodations outside the premises at his own cost
- The work has to be carried out in phases without disturbing in banking hall. Necessary barricading of the area of the work from the rest area shall have to arrange by the contractor at no extra cost. In addition to this necessary shifting of minor goods as required during progress of work such as table, almirha, files etc shall be taken care by the contractor within his quoted rates.
- At the time of handing over the site, if any scratches or decoration of above specified material as used is being observed, then Bank shall have the right to insist application of another coat or replacement of the material as required
- The challan of the materials or the invoice or the certificate from concerned companies will be required to be submitted if demanded by bank's engineer at the time of submission of the final bill. If the approved brands mentioned as mentioned in the item are not available or requisite shade/ quality is not available, other brand as approved by the Bank's Engineer only to be used for the work. Decision of bank's engineer shall be final and binding on the contract.

Declaration

I/We confirm that we shall certify the material from Bank's engineer/Architect prior to use in site as per the above list. I/we hereby accord our unqualified consent & agreement to the said conditions.

Place:

Date:

Signature of Contractor