

RESERVE BANK OF INDIA
ESTATE DEPARTMENT
KOLKATA

TENDER FOR

Civil/Interior Renovation Works of 5th floor

At

Banks Main Office Premises, Kolkata

Name of Tenderer _____

Address _____

Ph: No: _____

Due Date of Submission : 09.09.2008.

**Reserve Bank of India
Estate Department
Kolkata**

Renovation on 5th Floor-Civil/Interior Works

Preamble:

1. The Tenderers are requested to inspect the site and obtain for themselves at their own expense all necessary information and particulars to enable them to submit the tender.
2. The dimensions shown in the drawings shall have to be verified by the contractor at site before execution of the items and necessary allowance(s) have to be made as per the actual dimensions available at site.
3. The work has to be carried out in co-ordination with the work of other agencies. A Supervisor is to be posted at site for taking instructions and should be capable of discussing and taking decisions at site.
4. **For the items of works having Basic rate of material**, price adjustment will be made only on the actual quantity measured. Wastage shall be to Contractors account. Basic rate indicates cost at site including transportation charges, Sales tax and other levies as applicable.
5. Rates quoted shall include cost of materials, labour, wastages, transportation, scaffolding, tools and plants required to carryout the job and shall also include all taxes and levies charged by state / central / local authorities.
6. All pre-fabrication works wherever possible shall be carried outside the Banks premises, only assembling and finishing work will be allowed in the Bank
7. All construction details shall be strictly followed as per the Architectural drawing and as approved by the Bank.
8. The workman shall be allowed to work during office hours i.e. after 8.00 a.m.to 6.00 pm. On holidays / Sundays work may be allowed round the clock and whenever requested by the Contractor. The contractor shall require to obtain prior permission and work passes for all labourers to carry out the work from the Department and duly signed by protocol & Security Department of the Bank. The contractor shall quote rates for all items of work accordingly. No extra claim will be entertained whatsoever.
9. The rate quoted shall include cost of providing and fixing teak wood lipping on all exposed ply wood faces wherever required or specified.
10. All wooden members coming in contact with floor, wall, RCC and the like, the surface of which coming in contact shall be treated with Termiseal or equivalent antitermite solution without any extra charge.

11. The rate quoted should also include cost of surface preparation and doing French sprit polishing and meal amine polish on all wooden surface (exposed) wherever required or specified.
12. The successful tenderers will be required to prepare a sample of an item for approval by the Bank and if required, carry out the any changes as per Banks advise without any extra cost to the Bank.
13. Any debris generated out of the said work may please be cleared on priority basis from the Banks Premises.

**Reserve Bank of India
Estate Department
Kolkata**

Renovation on 5th Floor-Civil/Interior Works

Schedule of Quantities:

Item no	Description of Item	Qty	Unit	Rate (in Figs & words)	Amount
1	Brick Work:				
1.1	Providing and constructing half brick wall in superstructure using locally available 1 st class bricks for partitions in cement mortar 1:4 (1cement: 4sand) in all heights with H.B wire netting at every third layer, and scaffolding, maintaining proper line, level & plumb, necessary curing, etc all complete as per the directions of the Bank's Engineer.	38	Sqm		
1.2	Providing and laying Reinforced cement concrete 1 : 1.5 : 3 (1cement :1 ½ coarse sand :3 stone aggregate 10mm down size) for in lintels and bands, including reinforcement of 4 nos of 10mm dia bars including 8mm dia stirrups at 150 mm c/c necessary bending, binding, shuttering at an appropriate height of wall as directed , laying of concrete, compacting, finishing, curing etc all complete as per the directions of the Banks Engineer	1	Cum		
1.3	Providing & applying cement plaster 1:4 (1 cement: 4 sand) of thickness 12-15mm in single layer including raking the joints, removing dust & cleaning the surface including necessary scaffolding, including fixing of chicken mesh (by proper nailing) at least 4" wide on the joints between the junction of old and new walls/RCC surface, curing, etc all complete as per directions of the Banks Engineer.	100	Sqm		

2	PLASTER OF PARIS:				
2.1	Providing and applying plaster of Paris punning 2-3mm thick average over the newly plastered surface or wherever specified to prepare the surface even and smooth including all leads and lifts etc complete as directed by the Engineer.	100	Sqm		
3	FALSE CEILING:				
	<p>i. Providing and fixing of suspended false ceiling of plain Gypsum board having size 600mmx1200mm and thickness of 12.5mm conforming to IS 2095-1982 and as per the approved design, pattern , shape etc as per drawing and including providing and fixing GI suspended system conforming to India Gypsum specifications made up of following</p> <p>ii. GI intermediate channels spaced at 1000 mm c/c(instead of 1200 mm c/c as per India Gypsum specifications) of size 45x15x0.9mm thick having fixed to ceiling angle of size 25x10x0.5mm thick, fixed to soffits at 1000mm c/c using GI soffit cleat of size 22x37 mm which in turn fixed to RCC ceiling with the help of Steel expansion fasteners/dash fasteners as per India Gypsum specifications. Load carrying capacity of each fastener shall not be less than 250 kgs.</p> <p>iii. Perimeter channel of size 20x27x30x0.5mm shall be fixed to brick/partition with the help of nylon sleeves and screws at 610mm c/c</p> <p>iv. Ceiling section of size 80x26x0.5mm having knurled web of 51.5mm shall be fixed to the intermediate channel with the help of connecting GI clips and in directions perpendicular to the intermediate channel, spacing not exceeding 457 mm c/c</p> <p>v. For fully perforated gypsum board tiles of size 605mm x 605mm of 12.5mm thickness shall be fixed to ceiling section. Extra cross member of ceiling section should be provided to make suitable grid of 605mm x 605mm</p> <p>vi. For light fittings, grills, diffusers etc cutouts shall be made with the frame of perimeter channels and other sections as required supported suitably.</p> <p>vii. Perforated/ semi perforated Gypsum boards of size 605mmx605mm of 12.5mm thickness shall be joined with 25mm drywell screws@230mm c/c, screwing shall be carried out mechanically either with screw driver or drilling machine with suitable attachment.</p>				

	Gypsum board to be jointed with and finished with paper tape/jointing compound so as to have a finished surface and painted with a coat of primer suitable for gypsum board as per the specifications of India Gypsum and painting the entire ceiling with two coats of Oil bound distemper of approved make and shade.				
3.1.a Do.... as item no 3 above but with suspended false ceiling system with 12.5mm thick plain gypsum board and with/without grooves of the false ceiling with plain gypsum of 12.5mm thick with suitable frame work with necessary extra supports if required as per India Gypsum specifications etc complete etc complete as directed. Note: Measurement is only for plan area irrespective of the design.	1405	Sqm		
3.1. b Do.... as item no 3 above but with suspended false ceiling system with 12.5mm thick plain gypsum board for vertical surfaces and with/without grooves in all floors etc complete as directed. The rate is inclusive of making cutouts for AC grills, diffusers etc with the frame of perimeter channels and other sections as required supported suitably.	350	Sqm		
3.1.c	Providing & fixing necessary trap doors of appropriate size with necessary GI frame work as per directions.	10	nos		
3.2	Providing and fixing in position of acoustic mineral fibre board (Dune-ML-RH-99) false ceiling (Armstrong / celotex/ or any approved brand)system with 15mm silhouette(BR) grid quick hook suspension system having main tee 300mm longx32mm web height x 15mm wide tee sections. The main runner is to be fixed with 2mm thick pre-stretched GI wire soffit cleat and GI rawl plug inserted on the main roof to be fixed at 1200mm c/c. The 600mm x 32 x 15 mm wide cross tee section having an integrally formed hook nose with precise butt cut joint end is to be fit in between the main tee at a distance 600mm to make a module of 600x600mm. All base framework material should be high quality galvanized steel.The rate should include for cut outs of AC grills and light fixtures. Additional member if required is to be done as per the direction and supervision of manufacturer's representative and the Bank's engineer and as per drawing .Rate to include marking and making necessary cut-outs/ openings for light fittings, AC grills/ diffusers, Detectors, speakers and any other services out lets as required. The template will be given by respective services agency.	940	Sqm		

4	FLOORING / DADO /SKIRTING				
4.1	<p>Providing and fixing 9 to 10mm thick vitriified tiles of size 600 x 600 mm of approved manufacture and shade on floor using the tile fixing adhesive of approved make as per manufacturer's specification including filling of joints to match with the colour of tiles, cleaning etc. maintaining proper line & level The rate shall also include additional cost for extra thickness of tile fixing adhesive if required for maintaining proper floor level and the cost of removing of debris and disposing it away from the Bank's Premises, cleaning the site, making good the damage, if any etc. all complete as per the directions of Bank's Engineer . The rate includes for making inlays, cutouts for electrical junction boxes etc complete.</p> <p>(Basic rate of vitriified tiles Rs. 850/- per Sqm)</p>	2300	Sqm		
4.2	<p>...Do... same as above but for 150mm skirting as per drawing, including removal of the existing mosaic skirting and fixing the vitriified tiles with 20 mm thick cement mortar 1:3 (1cement : 3 sand) complete as per the directions of the Banks Engineer.</p> <p>(Basic Rate of Vitriified tiles Rs.850/- sqm)</p>	200	Rm		
4.3	<p>Providing and fixing 1st quality decorative ceramic tiles of approved size of approved manufacturer ,finish and shade on floor using cement mortar 1:4 (1 cement: 4 sand) inside toilets filling of joints to match with the colour of tiles, cleaning etc. maintaining proper line & level The rate shall also include additional cost for extra thickness of tile fixing adhesive if required for maintaining proper floor level and the cost of removing of debris and disposing it away from the Bank's Premises, cleaning the site, making good the damage, if any etc. all complete as per the directions of Bank's Engineer (Basic Rate of Ceramic tiles Rs. 450/- per sqm)</p>	10	Sqm		
4.4	<p>Providing and fixing 1st quality decorative ceramic tile on Dado using approved quality, make and shade ceramic of approved design with 20mm cement sand mortar (1:3) as under bed including cutting to required shape and size by maintaining proper line and level, finishing with white cement and suitable matching pigments, curing, etc Rate to include removing of debris from the bank's premises, cleaning the site complete as per direction of Bank's Engineer.</p> <p>Note: The rate shall also include cost of removal of existing skirting/dado if any and removing the debris and disposing it away from the Bank's Premises, cleaning the site, making good the damage, if any etc. all</p>				

	complete as per the directions of Bank's Engineer (Basic rate of Ceramic tiles Rs. 450/- per Sqm)	35	Sqm		
4.5	Providing and laying average 18-20mm thick Kota Stone slab flooring of size 600mm x 600mm laid on average 20mm thick cement mortar 1:4(1Cement: 4 Sand) as per drawing 1152 RBI – 11th floor –FL1.2 including grouting of joints with grey cement mixed with matching pigment to match the colour of the Kota stone, maintaining proper line, level & slope including necessary curing, rubbing, mirror polishing, cleaning, mending good the damages, including removing the debris out of Banks premises etc complete as directed by the Banks Engineer. (Basic rate of Kota stone Rs. 450/-per sqm)	185	Sqm		
4.6Do... as above but for 150 mm skirting etc complete as per the directions of the Banks Engineer.	75	Rm		
4.7	Providing and applying approx. 20mm thick water proof cement plaster 1:3(1 cement : 3 coarse sand) with proprietary waterproof compound as per specialist firms specifications and finishing the surface etc. complete in all respects, as specified and directed. Treatment to be done in co-ordination with sanitary work involved if any as per the directions of the Banks Engineer.	50	Sqm		
4.8	Removing the existing flooring to expose the RCC/PCC slab , roughening and cleaning the base, applying 2 coats of waterproofing chemicals, Pidifin 2K or equivalent approved as per manufacturer's specifications etc all complete as per the direction of Bank's Engineer.	275	Sqm		
4.9	Providing and laying 25mmthick screed concrete 1:1.5 :3 (1 cement : 1.5 sand : 3 graded 10 mm and down stone aggregate) including finishing curing etc. in AHU rooms all complete as per the direction of the Bank's Engineer.	5	cum		
4.10	Providing and fixing junction box cover of size 300 x 300 mm (approx) with 12mm plyboard over necessary wooden block support and providing vitrified tile top fixed with tile fixing adhesive flush with the finished floor level as directed by Bank's Engineer.	300	Each		
5	Wash Basin, Sink,Platform etc				
5.1	Providing and fixing in position 20mm thick kadappa slab below the granite of basin with opening of required size to accommodate oval shaped basin, supported on brick walls, including cost of cutting chases in walls fixing with CM 1:3 all complete as per the directions of the Banks Engineer.	1.5	Sqm		

5.2	Providing, laying and fixing in position 18-20mm thick granite slabs of approved quality, colour and shade, machine cut and machine polished using 15 mm thick 1:3 cement mortar for fixing complete including cutting to required shape for fixing wash basin, finishing the edges with grinding to Bull nose shape, polishing the cut edges as specified etc, complete as per directions of Banks Engineer. (Basic price: Rs.1900/- per sqm)	2	Each		
5.3	Providing and fixing 20-25mm thick Kadappa stone slab for construction of pantry platform of approved type and design in (1:4) cement mortar (1cement: 4 sand) including providing and fixing border Patti on front edge, filling joints curing, cleaning etc complete (basic rate of Black Kadappa Slab Rs. 350/Sqmt)	3	Sqm		
5.4	Providing and fixing 18-20 mm thick mirror polished, machine cut Granite slab of required size, for pantry platform laid over 20mm thick (1:4) base cement mortar (1 cement: 4sand) with joints treated with white cement mixed with matching pigments, epoxy touch ups, including rubbing, curing etc complete as per drawings and instructions of the Engineer (Basic rate of Granite slab Rs 2500/-)	5	Sqm		
5.5	Providing, fitting and fixing 18mm thick Granite slab fascia / window sill of approved colour and quality and machine cut and machine polished to appropriate size to vertical surfaces with 15mm thick 1:3 cement mortar including finishing the joints with white cement mixed with colouring pigments to match the colour of slab, curing, cleaning, all complete as directed by Banks Engineer	10	Sqm		
5.6	Supplying and fixing new oval shape vitreous wash hand basin (22" x 16") Hindustan (standard) or equivalent approved quality with JAQUAR / ESSCO make pillar cock, 15mm dia CP connector, 40mm dia CP bottle trap, 15mm dia CP angular stop cock, 40 mm dia CP waste, 40 mm dia heavy quality PVC waste pipe of approved make and required length with all fittings laid concealed by cutting, chases in wall making connection with inlet and waste line painting the pipe with bituminous paint and wrapping with hessian cloth, testing for no leakage before concealing and making good the walls, and taking away debris from the bank premises complete as per the directions of the Banks Engineer.	5	Each		

5.7	Providing and fixing white glazed fire clay overflowing type sink 450mm x 300mm x 150mm with 40mm dia CP brass waste and coupling nut complete, cutting and fixed with CI cantilever type brackets including making good the walls, GI line connection 15mm dia long nose CP Bibcock stop cock of ESSCO or approved make of 2 No's in each sink, 40 dia x 600mm long (approx) PVC waste pipe etc complete as directed for drinking water facility	1	Each		
5.8	Providing and fixing approved brand Stainless steel sink of size 36" x 18" x 8" with single drain board. The item shall also consist of 40 mm dia CP brass waste & coupling with the bib cck of Essco or approved make etc. all complete as directed.	1	Each		
6.	Sanitary and Plumbing				
6.1	Providing, fitting and fixing heavy type brass CP 100 mm dia gratings in floor traps complete as per the directions of the Banks Engineer.	5	Each		
6.2	Providing, fitting and fixing brass CP 15 mm stop cocks vertical/angular of JAQUAR/ ESSCO or equivalent approved quality fixed in position as per the directions of the Banks Engineer.	5	Each		
6.3	Supplying and fixing brass CP brass 15mm bib cock JAQUAR/ESSCO or equivalent approved quality fixed in position as per the directions of the Banks Engineer.	5	Each		
6.4	Providing and fixing 18mm thick Granite slab corner shelves of approved shape and size, including cutting chases in walls, fixing etc all complete as per the directions of the Banks Engineer.	2	Each		
6.5	Providing and fixing towel rod of 600 mm long of approved make , size and shape including fixing with brass screws etc all complete as per the directions of the Banks Engineer.	2	Each		
6.6	Providing and fixing soap container of approved make, size and shape including fixing at appropriate position as specified etc all complete as per the directions of the Banks Engineer	2	Each		
6.7	Providing, Fitting & Fixing wall hung type European WC of approved quality and make including on line flushing system with fittings as per the manufacturers specifications including making connections with flush and soil pipes with the existing lines all complete as per the directions of the Banks Engineer	2	Each set		

6.8	Providing and fixing plate mirror with 6mm thick glass of Modi or any other approved make complete with 4mm thick Masonite backing and moulding with C.P. teak wood made of size 50mm x 20mm all around with approved polishing etc complete as per the directions of the Banks Engineer.	2	Sqm		
6.9	<p>Providing and fixing ISI approved CI soil/waste and vent pipes with all types of fittings viz. Bends, junctions etc., with lead caulked/sand/cement mortar (1:3) joints, in proper line and level and making connection with the existing line in the ducts or outside the main wall as per the site condition, W/C commodes and pans, floor traps after taking out the damaged concealed pipes wherever required making good the damages, testing for no leakages, haunching of joints with PCC 1:3:6 etc and painting with black bituminous paint inside and outside etc complete as directed by the Banks Engineer</p> <p>a) 75 mm dia b)100 mm dia</p>	10 10	Rm Rm		
6.10	<p>Providing and fixing at any height GI medium quality pipes of B class Tata or suitable approved quality make with clamps complete with all necessary GI specials, fittings and fixtures like bends, tees, Elbows, sockets, flange piece, unions, hooks, reducers etc all of approved brand etc complete including painting external pipe with two coats of 1st quality synthetic enamel paint of approved colour over a coat of primer and concealing pipe wherever required by cutting chases in the walls as necessary including painting with 1st quality anti-corrosive black bitumastic paint and wrapping with Hessian cloth and over coating with another coat of black bitumastic paint cutting and making good the walls and connecting the new pipes with the existing lines with the necessary fixtures and fittings etc complete as directed.</p> <p>a. 15 mm dia b. 20 mm dia c. 25 mm dia d. 32 mm dia e. 40mm dia f. 50 mm dia</p>	10 10	Rm Rm		

		10 5 5 10	Rm Rm Rm Rm		
6.11	Providing fitting and fixing 40mm dia HDPE pipe (Oriplast or any other brand approved by the Bank) with all necessary injection moulded high density fittings PVC saddle, bends, Tees, elbows, sockets, unions, hooks clamp, brass screws including jointing with solvent cement and rubber lubricant, coupling joint with brass cap and lining on one end or both end as required and concealing in wall or floor by cutting chase and making good the same. Rate to include painting the concealed pipes with bituminous paint and wrapping with hessian tapes etc all complete as per the directions of the Banks Engineer	5	Rm		
6.12	Providing and laying cement concrete (1:3:6) using 25mm to 40mm graded brick bats in the toilet floor as leveling course including mixing with waterproofing compound of approved manufacturer, including mixing , laying consolidating curing etc all complete as per directions of the Banks Engineer.	3	cum		
6.13	Providing and fixing vitreous porcelain (Hindustan standard or equivalent) flat back front lipped urinal ware (590x375x390mm) with heavy gauge approved brand connector piece and 40mm heavy gauge PVC waste pipe of required length with extended PVC coupling, all of approved quality connected with the urinal including fitting fixing the ware with brass screws, waste pipe with PVC clamps, making the connections with the flush and waste line etc., complete as per the directions of the Banks Engineer.	2	Each		
6.14	Providing, fitting and fixing of Auto Flushing Sensor system (Jaguar or any other approved quality) including the flushing valve, necessary fittings, fixtures, hardware etc complete to have the auto sensor based flushing system including connecting with the existing lines, fixing, finishing all complete as directed by the Banks Engineer.	2	Each		

7	POP CORNICE:				
7.1	Providing and fixing POP cornice of size 75mm x75mm (or as indicated in drawings) as per design and specifications and painting with Acrylic washable distemper of approved brand and colours including all accessories, hardware and all lead and lifts complete as per the directions of the Banks Engineer.	300	Rm		
7.2	Providing and fixing POP cornice of size 45mm x 45mm(or as indicated in drawings) as per design and specifications and painting with Acrylic washable distemper of approved brand and colour including all accessories, hardware and all lead and lifts complete as per the directions of the Banks Engineer.	150	Rm		
8	PAINTING:				
8.1	Providing and applying 2 or more coats of Acrylic lustre paint of approved make and colour to give an even shade to surfaces over a coat of primer as per manufactures specifications , including necessary scaffolding, preparation of surface etc., complete including all leads and lifts as per the directions of the Banks Engineer	700	Sqm		
8.2	Providing and applying 2 or more coats of synthetic enamel paint of approved make and colour to give an even shade to surfaces over a coat of primer as per the Manufacturers specifications, necessary scaffolding, preparing the surfaces etc., complete including all leads and lifts as per the directions of the Engineer	200	Sqm		
8.3	Providing and applying Spectrum paint of approved variety, shade & colour wherever specified applying as per the manufacturers specifications with necessary scaffolding, cleaning etc all complete as directed by the Banks Engineer	350	Sqm		
8.4	Providing and applying texture paint treatment similar to Heritage treatment of approved variety, shade & colour wherever specified applying as per the manufacturers specifications with necessary scaffolding, cleaning etc all complete as directed by the Banks Engineer	30	Sqm		
8.5	Providing and applying acrylic bound distemper paint to wall, ceiling and other surfaces with two or more coats to achieve the desired finish of approved shade and quality after preparation of surfaces properly including one coat of primer etc complete with all labour and materials and as per the direction of Bank's Engineer.	700	Sqm		

9	PARTITIONS				
9.1	<p>Providing and fixing</p> <p>i)Full height double skin partly glazed partly solid partition (Max height 2920mm) made of extruded , anodized and oxidizing alloy aluminum sections of approved colour fabricated after cutting to proper size, drilling and aligning, fitted with inbuilt locking arrangement to requisite shape and size , having vertical and horizontal members of size 50mm x 44.5mm x 2.5mm at not more than 900mm c/c in both direction linked horizontally and vertically to any desired configuration . The aluminum frame shall be fixed to floor, side walls and at ceiling level with the help of aluminum flats of appropriate size or Al cleats. The first horizontal member is to be provided at floor level to keep the frame in position. Every alternate vertical member of the frame are to be extended upto the concrete ceiling for rigidity of the partition and extra vertical members to be provided near the door openings.</p> <p>ii)Aluminum hollow section framework placed 900mm c/c both vertically and horizontally excepting the glazed portion to be finished with 1mm thick laminate over 9mm thick marine ply of approved make on both faces solid upto 1200 mm from floor level and above it 4 mm clear etched glass of approved design upto height 900 mm fixed with aluminum taper clip. The exposed portion of the plywood edges to be provided with wooden lipping of size 12 x 4mm and to paint /polish with the matching shade as desired/instructed.Then solid double skin type will be continued upto ceiling similar as lower portion, including providing 100mm x12mm thick hillock wood skirting with polishing /painting as per direction.</p> <p>iii)101 mm x 44.5 x 2.5 mm c/s aluminum box type section shall be used to form corners and tee junctions and 50mmx44.5mmx2.5mm c/s along with the laminate panels shall form the wall areas by fixing double box at 900mm c/c (average) vertically and horizontally at suitable intervals defined as per the drawing ,fix to laminate panels. The base box section shall be fixed with the floor by using M10 levelling screws with hollock wood raceway 100x12 mm thick hollock wood sections shall be used to join horizontally to form raceway at skirting level and at over 650mm laminate panel of the base and similarly between two adjacent laminate panels etc all complete with materials and labours , carting away the debris outside the banks premises as</p>				

	<p>per the direction of Engineer in charge.</p> <p>Note: The panelling area will be measured from floor to the false ceiling level including the skirting. Rate should be inclusive of the framing, raceways, skirting, wire carrier, plywood, laminate, labour, etc all complete.</p>	63	Sqm		
9.2	<p>Providing and fixing</p> <p>i)Low height double skin partly glazed partly solid partition (Max height 2150mm) made of extruded , anodized and oxidizing alloy aluminum sections of approved colour fabricated after cutting to proper size, drilling and aligning, fitted with inbuilt locking arrangement to requisite shape and size , having vertical and horizontal members of size 50mm x 44.5mm x 2.5mm at not more than 900mm c/c in both direction linked horizontally and vertically to any desired configuration . The aluminum frame shall be fixed to floor, side walls and at ceiling level with the help of aluminum flats of appropriate size or Al cleats. The first horizontal member is to be provided at floor level to keep the frame in position, extra vertical members to be provided near the door openings. The corner vertical member shall be taken upto the concrete ceiling for rigidity.</p> <p>ii)Aluminum hollow section framework placed 900mm c/c both vertically and horizontally excepting the glazed portion to be finished with 1mm thick laminate over 9 mm thick marine ply of approved make on both faces solid upto 1200 mm from floor level and above it 4 mm clear etched glass of approved design upto height 900 mm fixed with aluminum taper clip. The exposed portion of the plywood edges to be provided with wooden lipping of size 12 x 4mm and to paint /polish with the matching shade as desired/instructed.Then solid double skin type will be continued upto ceiling similar as lower portion, including providing 100mm x12mm thick hillock wood skirting with polishing /painting as per direction.</p> <p>iii)101 mm x 44.5 x 2.5 mm c/s aluminum box type section shall be used to form corners and tee junctions and 50mmx44.5mmx2.5mm c/s along with the laminate panels shall form the wall areas by fixing double box at 900mm c/c (average) vertically and horizontally at suitable intervals defined as per the drawing ,fix to laminate panels. The base box section shall be fixed with the floor by using M10 levelling screws with hollock wood raceway 100x12 mm thick hollock wood sections shall be</p>				

	<p>used to join horizontally to form raceway at skirting level and at over 650mm laminate panel of the base and similarly between two adjacent laminate panels etc all complete with materials and labours , carting away the debris outside the banks premises as per the direction of Engineer in charge.</p> <p>Note: The panelling area will be measured from floor to the top of partition including the skirting. Rate should be inclusive of the framing, raceways, skirting, wire carrier, plywood, laminate, labour, etc all complete.</p>	70	Sqm		
9.3	<p>Providing and fixing</p> <p>i)Full height double skin solid partition (Max height 2920mm) made of extruded , anodized and oxidizing alloy aluminum sections of approved colour fabricated after cutting to proper size, drilling and aligning, fitted with inbuilt locking arrangement to requisite shape and size , having vertical and horizontal members of size 50mm x 44.5mm x 2.5mm at not more than 900mm c/c in both direction linked horizontally and vertically to any desired configuration . The aluminum frame shall be fixed to floor, side walls and at ceiling level with the help of aluminum flats of appropriate size or Al cleats. The first horizontal member is to be provided at floor level to keep the frame in position. Every alternate vertical member of the frame are to be extended upto the ceiling for rigidity of the partition and extra vertical members to be provided near the door openings.</p> <p>ii)Aluminum hollow section framework placed 900mm c/c both vertically and horizontally excepting the glazed portion to be finished with 1mm thick laminate over 9 mm thick marine ply of approved make on both faces solid upto</p>				

	<p>2920 mm from floor level and 2 mm x 2 mm groove on both face including providing 100mm x12mm thick hollock wood skirting with polishing /painting as per direction.</p> <p>iii)101 mm x 44.5 mm x 2.5 mm c/s aluminum box type section shall be used to form corners and tee junctions and 50mmx44.5mmx2.5mm c/s along with the laminate panels shall form the wall areas by fixing double box at 900mm c/c (average) vertically and horizontally at suitable intervals defined as per the drawing , fix to laminate panels. The base box section shall be fixed with the floor by using M10 levelling screws with hollock wood raceway 100x12 mm thick hollock wood sections shall be used to join horizontally to form raceway at skirting level and at over 650mm laminate panel of the base and similarly between two adjacent laminate panels etc all complete with materials and labours , carting away the debris outside the banks premises as per the direction of Engineer in charge.</p> <p>Note: The panelling area will be measured from floor to the false ceiling including the skirting. Rate should be inclusive of the framing, raceways, skirting, wire carrier, plywood, laminate, labour, etc all complete.</p>	205	Sqm		
9.4	<p>Providing and fixing</p> <p>i)Low height double skin solid partition (Max height 2150mm) made of extruded , anodized and oxidizing alloy aluminum sections of approved colour fabricated after cutting to proper size, drilling and aligning, fitted with inbuilt locking arrangement to requisite shape and size , having vertical and horizontal members of size 50mm x 44.5mm x 2.5mm at not more than 900mm c/c in</p>				

	<p>both direction linked horizontally and vertically to any desired configuration . The aluminum frame shall be fixed to floor, side walls and at ceiling level with the help of aluminum flats of appropriate size or Al cleats. The first horizontal member is to be provided at floor level to keep the frame in position, extra vertical members to be provided near the door openings.</p> <p>ii)Aluminum hollow section framework placed 900mm c/c both vertically and horizontally finished with 1mm thick laminate over 9 mm thick marine ply of approved make on both faces solid upto 2150 mm from floor level and 2 mm x 2 mm groove on both face including providing 100mm x12mm thick hillock wood skirting with polishing /painting as per direction.</p> <p>iii)101 mm x 44.5 x 2.5 mm c/s aluminum box type section shall be used to form corners and tee junctions and 50mmx44.5mmx2.5mm c/s along with the laminate panels shall form the wall areas by fixing double box at 900mm c/c (average) vertically and horizontally at suitable intervals defined as per the drawing ,fix to laminate panels. The base box section shall be fixed with the floor by using M10 levelling screws with hollock wood raceway 100x12 mm thick hollock wood sections shall be used to join horizontally to form raceway at skirting level and at over 650mm laminate panel of the base and similarly between two adjacent laminate panels etc all complete with materials and labours , carting away the debris outside the banks premises as per the direction of Engineer in charge.</p> <p>Note: The panelling area will be measured from floor to the top of partition including the skirting. Rate should be inclusive of the framing, raceways, skirting, wire carrier, plywood, laminate, labour, etc all complete.</p>	130	Sqm		
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10.	ALUMINUM DOOR				
	<p>Providing and fixing anodized and oxidized aluminum door powder coated of approved colour and make of aluminum extruded section as per drawing with single action heavy duty floor spring of approved brand including supplying and fixing 4 mm thick etched float glass of special selected quantity free from bubble holes etc fixed with neopheron dry set gasket and aluminum clip. The aluminum frame to be fitted on floor and wall / partition as per direction. The rate should include all necessary hard ware fittings such as concealed locks, floor springs, handles etc.</p> <p>Door frame sections :</p> <p>a) styles : 100 x 44.5 x 2.5 mm</p> <p>b) Top rail : 50 x 44.45 x 2.0 mm</p> <p>c) Lock rail : 85 x 44.45 x 2.0 mm</p> <p>d)Bottom rail : 100 x 44.45 x2.0 mm</p>	35	Sqm		
11	Wooden works				
11.1	<p>Providing and erecting in position low/ full height storage unit / side units / cabinets with sliding shutters of approx 600 mm deep made of 19mm thick BWR grade block board as per drawing including intermediate shelves and lockable shutters etc. The rear face of unit shall be of 6mm thick BWR grade ply boards. Exposed block board surfaces and shutter faces shall be finished with 1.00 mm laminate sheet of approved shade and make. Inner faces of the shutter and cabinet shall be polished in approved colour. The rear ply board shall be finished with two coats of synthetic enamel paint over a coat of primer. Quoted rate shall include the cost of necessary hardware fittings viz. handles , locks, pvc sliding channels, autoclosing hinges, magnetic catcher etc.(Payment shall be made on the front face area of the cabinet)</p>	10	Sqm		
11.2	<p>Providing and fixing in position kitchen cabinet made with 19 mm BWR grade block board fitted with teak wood frame work having section 25 mm x 37.5 mm as per drawing including intermediate shelves and lockable shutters etc .The teak wood member of the frame are to be fitted on sides and bottom and to be fitted over wall surface with rawl plug. Exposed block board surface and shutter faces shall be finished with 1.00 mm laminates of approved shade and make. Inner faces of the shutter and cabinet shall be polished in approved colour. The rear block board shall be finished with two coats of synthetic enamel paint over a coat of</p>				

	primer. Quoted rates shall include cost of necessary hardware fittings viz. handles , locks, pvc sliding channels, autoclosing hinges, magnetic catcher etc.(Payment shall be made on the front face area of the cabinet)	10	Sqm		
11.3	Providing and fixing pelmets to windows using 12mm thick approved quality plywood ,cutting to required shape and size as per the drawings in annexure, fixing to the adjacent walls with necessary fittings, fixtures and hardware, including finishing all the exposed faces with 1.0 mm thick approved quality and make laminate etc all complete as per the directions of the Bank's Engineer.	50	Sqm		
11.4	Providing and making timber planter box made of 12 mm thick PF bonded ply fitted over 2 nd class C.P teak wood frame work of section 40 mm x 40 mm. All external surface are finished with 1.00 mm laminate of approved colour and provide 20 gauge aluminum sheet to the inner side with holding bracket etc. including the cost of lipping to edges polished with complete with three coats of melamine spray polish etc complete with all labour and materials as per drawing .	20	Each		
11.5	Providing and fixing wall paneling or column encasing with 50 mm x 50 mm sal wood framework placed @ 450 mm c/c in both ways finished with matt 1.00 mm thick laminate of approved brand and colour over 6 mm thick BWR grade ply board with 100 mm x12 mm thick hollock wood skirting all as per drawing and providing 6mm thick BWR grade plyboard with heritage granules and fixing of 40 x30 mm moulding design beads with antitermite paint inside and polishing the wooden member etc complete as per direction and drawing .	250	Sqm		
11.6	Providing and fixing T W moulding of size 40mm x 12.5mm as per the specified designs finished with approved variety of polish / paint as per the directions of the Banks Engineer.	300	Rm		
11.7	i) –Do- Of size 25mm x 12.5mm	50	Rm		
	ii) –Do- of size 20mm x 12.5 mm	50	Rm		

11.8	Providing and fixing 75x 20 mm TW Architrave around doors, finished with polish / paint of approved quality and shade as per drawings and directions of the Banks Engineer etc all complete.	50	Rm		
11.9	i) ---Do--- of size 50 mmx 20 mm	50	Rm		
12.	DOORS				
12.1	<p>Supplying , fitting and fixing wooden composite fire proof door shutter of 60 minutes fire resistance rating conforming to BS 476 Part-22 / I S : 3614 part-II as per prototype tested and certified at CBRI / NTH, Kolkata for mounting to the door frame consist of Malaysian sal wood made of 120 mm x 70 mm as approved by Roorkee with heat activated intermescent fire seal strips fixed on the three sides of the frame & shutter with 4 mm thick commercial ply faced on the both sides and mounted on 125 x 75 mm section treated for intermescent heat activated fire & smoke check seal on the three sides of the frame and with jamming necessary MS hold fast of required shape and size .</p> <p>The door shutter consist of two non combustible boards each of 12 mm thick sandwiching with 20 mm thick fire resistant insulation filler with 4 mm commercial ply veneering on both faces and seasoned hard wood lipping all round the shutter fitted and fixed with heavy duty stainless steel hinges , tower bolts ,handles etc including providing fire resistant primer of approved quality and painting to the shutter in desired shade as per the direction.</p>	15	Sqm		
12.2	<p>Providing and fixing Teak wood door frames of approved quality as per the following specifications inclusive of all accessories, hardware's, fittings and finishes complete as per the directions of the Banks Engineer.</p> <p>Teak wood Frame of size 125mmx 62.5mm including 3 nos of M.S. Holdfasts on each vertical member for fixing door frame made of MS flats, end bifurcated, fixed in cement concrete with stone chips (1:2:4) fitted and fixed complete, applying two coats of Black paint on the surfaces abutting the Brick/RCC etc finishing the exposed faces of door frame with Melamine polish of approved quality, shade and finish all complete as per the directions of the Banks Engineer</p>	0.5	Cum		

12.3	<p>Providing and fixing 35mm thick partly solid and partly glazed flush type commercial door shutter including timber frame work of size 75mm x 50mm. The door shutter finished with 1mm thick laminate(without joint) of approved shade and quality on both side of the door shutter including cost of hardware fittings e.g brass hinges, mortice lock sets with handles of approved make and quality over 4mm thick approved ply on both faces and provide glass panel of 4mm thick clear etched glass fixed with 32 x 12 mm teak wood beads duly finished with French polish as per the design complete fitted with approved make floor spring , door stopper etc with all labour and materials complete</p>	5	Sqm		
12.4	<p>Supplying and fixing 32 mm thick factory made solid core hot pressed single leaf Flush Door shutter of approved quality and make bonded with Phenol formaldehyde synthetic resins (conforming to IS 2202 -part 1 &2), including teak wood lipping on all exposed edges with water resistant adhesive including;</p> <ul style="list-style-type: none"> a. All exposed faces be finished with 1.5 mm thick decorative laminate of approved shade and make on both faces b. Cost of approved brass oxidized fittings and fixtures, c. 3 Numbers of Heavy quality Brass Hinges of approved quality & size, d. Handles on both faces as per approved design, pattern and make, e. Mortice lock of approved quality and make, f. Door closure 'Everite/Gurnish' – 1 no for each shutter g. Door stopper of approved size, design, and make, h. Teak wood mouldings finished with Melamine polish as per approved design, pattern and shape etc complete with all materials and labour as per the directions of the Banks Engineer 	10	Sqm		

12.5	<p>Supplying and fixing 32 mm thick factory made solid core hot pressed double leaf Flush Door shutter of approved quality and make bonded with Phenol formaldehyde synthetic resins (conforming to IS 2202 -part 1 &2), including teak wood lipping on all exposed edges with water resistant adhesive including;</p> <p>a. All exposed faces be finished with 1.5 mm thick decorative laminate of approved shade and make on both faces</p> <p>b. Cost of approved brass oxidized fittings and fixtures,</p> <p>c. 3 Numbers of Heavy quality Brass Hinges of approved quality & size for each shutter,</p> <p>d. Handles on both faces as per approved design, pattern and make for both shutters,</p> <p>e. Mortice lock of approved quality and make,</p> <p>f. Door closure 'Everite/Garnish' – 1 no for each shutter</p> <p>g. Door stopper of approved size, design, and make,- 1 no for each shutter</p> <p>h. Teak wood mouldings finished with Melamine polish as per approved design, pattern and shape etc complete with all materials and labour as per the directions of the Banks Engineer.</p>	7	Sqm		
12.6	<p>Providing , fitting and fixing 40mm thick double/ single leaf louvered panel door shutter made of CP teak wood with styles ,top and intermediate rail of 125 mm width , lock rail 150 mm width and bottom rail of 200 mm width and louvered panel made of 19 mm thick CP teak wood including bead of similar material to be placed alround the panels including fixing the shutter with heavy quality brass hinges , tower bolts , handles , aldrops etc as per direction of bank's Engineer.</p>	2.5	Sqm		
13	DISMANTLING				
13.1	<p>Dismantling the existing 125 / 250 mm thick brick partition walls including dado, plaster , mosaic skirting , RCC lintel etc after carefully disconnecting the water supply and sanitary connections, removing and stacking carefully the strong room doors as directed and removing of rubbish outside the premises in conformity with Municipal rule etc . complete with all labour and materials.</p>	65	Cum		
		Total			

Name Of the firm :

Signature of the Proprietor :

Date :