

**INTERIOR FURNISHING, ELECTRICAL AND AIR-CONDITIONING WORKS AT FOR BANK OF BARODA BRANCH AT PARAS DOWNTOWN, SECTOR 53, GURUGRAM**

<b>PART A:- INTERIOR FURNISHING WORKS</b>			
	<b>TOTAL COST</b>	<b>=</b>	
<b>PART B:- ELECTRICAL WORKS</b>			
	<b>TOTAL COST</b>	<b>=</b>	
<b>PART C:- AC WORKS</b>			
	<b>TOTAL COST</b>	<b>=</b>	
	<b>TOTAL OF INTERIOR FURNISHING, ELECTRICAL WORKS</b>	<b>=</b>	
	<b>GST EXTRA AS APPLICABLE</b>		

<b>INTERIOR FURNISHING, ELECTRICAL AND AIR-CONDITIONING WORKS AT FOR BANK OF BARODA</b>					
<b>BRANCH AT PARAS DOWNTOWN, SECTOR 53, GURUGRAM</b>					
<b>A Interior &amp; Furnishing Works</b>					
<b>S. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Amount</b>
<b>I.</b>	<b>PARTITIONS AND PANELLING:-</b>				
1i)	<b>Full Height Partition:</b> Providing and fixing in position Full Height partition in framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI Box Sections (1.6 mm) with with minimum <b>7.5 mm thick High Density High Moisture Resistant (HDHMR) fibre board</b> on both sides finished with 1 mm thick laminate of Existing shade/ 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent shade in approved make including grooves as/ Architect. Item to include 65 X 65 mm teakwood member for door frame and additional framework and teakwood beading/ SS brackets required for providing glazing. All exposed teakwood surfaces and the like to be finished in melamine polish of matching laminate colour including all necessary fittings and SS hardware of make hettich/ hafele/ dorma. The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch	Sqm	5.00		
	Note:- a) In case of false ceiling, the vertical GI members to be fixed to RCC ceiling but the area of partition payable will be below the false ceiling only. b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered. c) Openings/ door/ glass shall not be measured for payment and shall to measured and paid under seprate relevant item.				
1ii)	same as above but one side of the Partition to be finished with <b>12 mm thk. Bison Board</b> finished with 2 coat of Plastic Emulsion paint	Sqm	9.00		

2.	<b>Low Height Partition:</b> Providing and fixing in position solid Low Height partition upto height of 1300 mm in framework including door in 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI Box Sections with <b>minimum 7.5 mm thick High Density High Moisture Resistant (HDHMR) fibre board</b> finished and top with 1 mm thick laminate of Existing shade/ 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent shade in approved make including grooves as/ Architect. Item to include 65 X 65 mm teakwood member for door frame. All exposed teakwood surfaces and the like to be finished in melamine polish of matching laminate colour or as directed including all necessary fittings and SS hardware of make Hettich/ Haffele/ Dorma. The rate to include provision of extra frame work as necessary for skirting and making cut-outs for <del>electrical switches, switch boxes, conduiting as per</del>	Sqm	30.00		
	Note:- a) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered. b) Openings/ door/ glass shall not be measured for payment and shall to measured and paid under seprate relevant item. c) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.				
3 (i)	<b>Wall Panelling:</b> Providing and fixing in position wall panelling in 600 X 600 mm grid (horizontally and vertically) comprising of 25 mm X 50 mm heavy duty GI Box Sections (1.6 mm) with <b>minimum 7.5 mm thick High Density High Moisture Resistant (HDHMR) fibre board</b> with 1 mm thick laminate of Existing shade/ 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent shade in approved make including grooves as/ Architect. The rate to include for provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting, receiving A.C.'s etc. as per drawings. All exposed teakwood surfaces and the like to be finished in melamine polish of matching laminate colour or as directed.	Sqm	67.00		
	[Note:- Incase of wall not being true to plumb extra shims of aluminium section shall be provided. Nothing extra shall be payable in this regard.]				
	Note:- a) In case of false ceiling, <b>area of panelling payable will be below the false ceiling only.</b> b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered. c) Openings/ door/ glass shall not be measured for payment and shall to measured and paid under seprate relevant item.				
(ii)	Extra for providing and fixing 4 mm thick <b>laquered glass</b> (instead of laminate) on panelling with adhesive of approved brand and manufacture all complete as per the directions of Architect/ Engineer-	Sqm	12.00		

4.	Providing and fixing glazed door and fixed glazing (full/ low height glass partition) with 12 mm thick toughened glass of approved make with all SS patch fittings (Hettich/ Hafele/ Dorma) and frosting as per drawing. Item to include floor springs, lock, 300 mm long D- handles and other necessary hardware of Stainless Steel of make Hettich/ Hafele/ Dorma all complete as per the directions of Architect/ Engineer-in-charge.				
i)	Fixed Glazing	Sqm	25.00		
ii)	Openable door	Sqm	4.00		
<b>II.</b>	<b>STORAGE:-</b>				
<b>5 i)</b>	Providing and fixing low / full height storage (upto 2400 mm high) and 450 mm deep (overall) as shown in details/ drawing with all sides & shelves to be 18 mm HDHMR fibre board with 7.5 mm thick High Density High Moisture Resistant (HDHMR) fibre board to be fixed at the back. The top shall be finished with 1 mm thick laminate over 18 mm thick HDHMR fibre board all complete. The shutters to be 18 mm thick HDHMR fibre board with 1 mm thick high gloss laminate of approved make & shade as per list of approved make on all outside surfaces (except back and bottom which shall be painted with enamel paint) and 0.8 mm thick laminate on all the inside surfaces. The sides/ bottom of the drawer shall be made out of MINIMUM 11.2 mm thick High Density High Moisture Resistant (HDHMR) fibre board and finished 0.8 mm thick PVC edge banding. All other edges/ shutters to be finished with 0.8 mm thick PVC edge banding all complete including S.S. long handles, magnetic catchers, self closing hinges of Hettich/ Hafele/Ebco/ Dorma/ Ozone or as per list of approved make.	Sqm	53.00		
	The item shall include melamine polishing to the teakwood surfaces to match with specified laminate and outside surfaces to be finished in laminate all complete to the satisfaction of Architect/ Engineer-in-charge [Front elevation shall be measured for payment].				
5(ii)	Same as above but side storage of <b>size 900 mm (L) X 450 mm (B)X 750 mm (H)</b> and having minimum two drawers with telescopic channel of approved make as/ drawings.	Nos.	1.00		

6i)	Providing and fixing overhead storage 330 mm deep (overall) as shown in details/ drawing with all sides & shelves to be 18 mm thick HDHMR fibre board with 7.5 mm thick HDHMR plywood to be fixed at the back. The top shall be finished with 1 mm thick laminate over 18 mm thick HDHMR fibre board all complete. The shutters to be 18 mm thick HDHMR fibre board with 1 mm thick high gloss laminate of approved make on all outside surfaces (except back and bottom which shall be painted with enamel paint) and 0.8 mm thick laminate on all the inside surfaces. The sides/ bottom of the drawer shall be made out of minimum 11.2 mm thick High Density High Moisture Resistant (HDHMR) fibre board and finished 0.8 mm thick PVC edge banding. All other edges/ shutters to be finished with 0.8 mm thick PVC edge banding all complete including S.S. long handles, magnetic catchers, self closing hinges of Hettich/ Hafele/Ebco/Ozone or approved make.	Sqm	7.00		
	All outside surfaces to be finished in laminate all complete to the satisfaction of Architect/ Engineer-in-charge. [Front elevation shall be measured for payment.]				
6(ii)	Same as above but for under counter and 600 mm deep.	Sqm	3.00		
<b>III.</b>	<b>DOORS :-</b>				
7.i)	<b>Solid Flush door:</b> Providing and fixing 30 mm thick flush door with 10 mm thick teakwood lipping on all sides finished in 1 mm thick laminate on both sides of approved shade 'UGM' Frosty White/ Bleached Teak/ Existing shade of make Sunmica/ equivalent shade in approved make with all necessary hardware including SS door handle, SS stopper, lock, door closer, SS 6" heavy duty butt hinges (6" long & 4 nos. in 1 door) etc. of make Dorma/ Hettich/ Hafele all complete as per directions of Architect/ Bank.	Sqm	2.00		
(ii)	Same as above but on Existing Doors flush doors.	Sqm	2.00		
(iii)	<b>Solid Flush door with vision panel:</b> Providing and fixing 30 mm thick flush door with 10 mm thick teakwood lipping on all sides finished in 1 mm thick laminate on both sides of approved shade 'UGM' Frosty White/ Bleached Teak of make Archidlam/ shade in approved make with all necessary hardware including SS door handle, SS stopper, lock, door closer, SS heavy duty butt hinges etc. of make Dorma/ Hettich/ Hafele all complete as per directions of Architect/ Bank. Item to be include 175 x1500 mm vision panel (5.5 mm float glass) in door including fixing etc. all complete	Sqm	4.00		

8	<b>Electrical Panel Cabinet with louvres door:</b> Providing and fixing 18 mm thick fibre board shutter finished in 1 mm thick high gloss laminate on both sides of approved shade in approved make with all necessary hardware including SS door handle, SS stopper, lock, door closer, self close hinges etc. of make Dorma/ Hettich/ Hafele/ Ozone/ Ebco all complete as per directions of Architect/ Bank. All edges/ shutters to be finished with 0.8 mm thick PVC Edge banding.The item to include SS Jaali in the shutters of the door and 1 mm thick 300 mm high steel brush finish laminate on shutters.	Sqm	4.00		
<b>IV. CEILING AND FINISHING WORKS:-</b>					
9(i)	Providing and fixing at all height false ceiling and making coves including providing and fixing of framework made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats. The perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive-all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and one coat of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer in Charge with: 12.5 mm thick tapered edge gypsum board conforming to IS:2095- Part-I of <b>India Gypsum/ BORAL/</b> approved make for both framework and the	Sqm	190.00		
	Item to include putty and painting with plastic emulsion paint with ' <b>Velvet Touch</b> ' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Berger/ Dulux paint. Note:- Suspending system and frame work shall match layout of Electrical/ fire protection wiring/ fixtures etc. Rate to include provision of extra frame work needed due to above and to include necessary scaffolding etc. all complete.				

10	Providing and fixing <b>False Ceiling with Mineral Fibre Acoustic Ceiling Tiles</b> of Armstrong/ USG/ Boral with MICROLOOK edges and having noise reduction properties laid on exposed grid system with 15 mm wide <b>Silhouette</b> type T-section flanges of white colour, main runners spaced at 1200 mm c/c securely fixed to the soffit of structure with approved hangers at 1200 mm maximum c/c. Flush fitting 1200 mm crossed tees to be interlocked between main runners at 600 mm c/c to form 1200 x 600 modules. 1200 mm cross tees to be crimped. 600 x 600 module to be formed by fixing 600 mm long flush fitting cross tees centrally between the 1200 cross tees. Ceiling tiles of <b>Dune Premier</b> of size 600 x 600 x 15 mm (thk.) to be placed in the grid. Rate to include making necessary cut-outs or openings for light fixtures, air conditioners and other utilities etc. complete to the satisfaction of Architect/ Bank's Engineer.	Sqm	7.00		
11	Providing and fixing false ceiling base with 12 mm thick commercial ply over heavy duty Aluminium framework of 50 X 50 mm section all complete as per the directions of Engineer-in-charge/ Architect/ drawings. The ceiling basework to be finished as follows using 1 mm laminate of make Merino/ Greenlam/ approved over base as above and including making grooves and finishing the grooves in melamine polish etc. [Note:- Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.]	Sqm	12.00		
12	Providing and applying Birla putty over plastered surface to prepare the surface even and smooth all complete as per the directions of Engineer-in-charge.	Sqm	125.00		
13	Finishing walls with textured interior paint of required shade: New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm with rollers/ spray of make ACRO/ approved make.	Sqm	10.00		
14	Wall painting with plastic emulsion paint with ' <b>Velvet Touch</b> ' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Berger/ Dulux paint.	Sqm	125.00		
15	Finishing wall/ ceiling with wall paper as/ approval over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm with rollers/ spray of approved make with adhesive all complete as per the directions of Architect/ Engineer-in-charge.	Sqm	5.00		
<b>V. COUNTERS AND TABLES:-</b>					

16	Providing and fixing in position <b>BM Table 1800 X 900 mm</b> wide with 1 mm thick high Gloss Laminate as per list of approved make comprising of the following complete in all respects (REFER DRAWING):	Nos.	1.00		
i)	Work top to be made with 18 mm thick HDHMR fibre board all complete Inside facia of the board shall be finished with 0.8 mm thick laminate.				
ii)	Vertical facia (apron) to be made with 18 mm thick HDHMR fibre board and finished with 1 mm thick laminate on all exposed facia with grooves as per Architect. The grooves to be finished with melamine polish all complete. [Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.]				
iii)	Vertical drop box (horizontal box) shall be provided on the facia with 18 mm thick HDHMR fibre board finished with 1 mm thick laminate on all sides all complete as per Architect.				
iv)	Vertical supports made with 18 mm thick HDHMR fibre board finished with 1 mm thick laminate on all exposed facia as per Architect.				
v)	Telescopic CPU stand and keyboard tray shall be provided of approved model and make.				
vi)	Boxing as per drawing made with 12 mm thick HDHMR fibre board finished with synthetic enamel paint shall be provided below the table top for electrical conduiting and at the bottom for the LAN cabling/ telephone wire conduiting.				
vii)	The item to include all necessary hardware and fittings in SS finish, MATCHING PVC Edge banding to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. All inside edges are finished with 0.7 mm laminate as/approval. [Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.]				
viii)	The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table and Footrest 75 X 50 mm made of 2nd class teakwood member to be fixed in table finished with enamel paint.				
16.2	Same as above but <b>size of Officer Table is 1350x750 mm</b>	Nos.	8.00		
16.3	Same as above but <b>size of Officer Table is 1350x600 mm</b>	Nos.	1.00		
16.4	Same as above but <b>size of Officer Table is 1050x600 mm</b>	Nos.	3.00		
17	Providing and fixing in position <b>Cash Counter</b> 750 mm wide as per drawing comprising of the following:	Mtr	3.00		
i)	Working top made with 18 mm thick HDHMR fibre board finished with 1 mm thick Gloss laminate. All edges shall be finished with PVC edge banding (hot-pressed) complete as per Architect.				



ii)	Vertical facia (Apron) made with 18 mm thick HDHMR fibre board finished with 1 mm thick high Gloss laminate with 1 mm thick groove at the joint of laminates of two different shades.				
iii)	Vertical drop (horizontal band) shall be provided on the facia below the working top made with 18 mm thick HDHMR fibre board finished with 1 mm thick laminate with provision for concealed light, 1 mm thick groove shall be provided at the joint of two different shades of laminate.				
iv)	Glazed partition of 400 height above working top provided with 12 mm thick toughened and frosted glass partition as per fixing details and to boxing with concealed S. S. finished 'D' brackets as shown in the drawing. The exposed edges of the glass shall be finished in mirror polish.				
v)	Transaction top shall be provided with 12 mm thick toughened glass 300 mm high (partly glazed partly frosted) fixed horizontally with concealed Stainless Steel 'D' bracket. Both exposed edges (inside and outside) shall be moulded and finished in mirror polish. The glass shall have cut out of 8" x 4" as per drawing. The edges of cut out and the top edge of glass are to be mirror polished.				
vii)	1'-9" high boxing (5"x 5") made with minimum 11.2 mm thick HDHMR fibre board finished with 1 mm thick laminate are to be provided.				
viii)	Telescopic CPU Stand/ ready made Keyboard tray shall be provided of approved model and make.				
ix)	Footrest made with T.W. member of size 4"X1 1/2" finished with french polish.				
x)	Drawer units as per drawing shall be provided and each drawer should have vertical partitions for keeping the currency notes and multipurpose Godrej locks. Facia of drawer unit shall be finished with 1 mm thick laminate and all other sides shall be finished with white enamel paint. The drawers will be provided with handles (Stainless Steel finish) and channels as per approval of the Project Consultant/ Bank.				
	The item to include all necessary hardware and fittings in Stainless Steel finish, lipping to all edges and making provision only for electrical fitting behind the Vertical drop and also in the 10" x 10" boxing as shown in the drawing. Necessary beadings with matching duco paint for fixing the glass are to be provided as per drawing / as directed.				

18	Providing and placing <b>Writing Ledge</b> cum Cheque drop box under it of size 1500 x 350 mm made of 18 mm thick fibre board and finished with 1 mm thick high gloss laminate of approved make & shade on all surfaces all complete as per drawings. The table shall have 8 mm thick toughened glass top and maximum height of table to be 350 mm. all complete as per Architect/ Engineer-in-charge. Item to include cheque drop box (made of 18 mm thk. fibre board) below as/ drawing all complete as per Architect/ Engineer-in-	Nos.	1.00		
19	Providing and placing in position 400 mm dia. stool for Dressing table with leatherite tapestry as per Architect/ Engineer-in-charge.	Nos.	1.00		
20	Providing and fixing Dressing Table having drawer of size 500x200x400 mm with Mirror (size 600 x 900 mm) with frosted border fixed on 6 mm ply backing and mounted with SS spacers etc. all complete as per the directions of Architect/ Engineer-in-charge.	nos	1.00		
<b>VII. MISCELLANEOUS:-</b>					
21	Providing and fixing of 10 mm thk. laser cut acrylic letters & brand logo. Lettering in acrylic sheet in white color and logo as per our Brand color of required size and shape including fixing with adhesive, all as per approved architectural drawing etc. all complete as per direction of Engineer-in-charge.	per square inch	600.00		
22	Providing and placing planter of size 400 X 400 X 400 made with 19 mm thick blockboard (IS :1659) and finished with 1 mm thick laminate 'UGM' Frosty White/ Teak finished laminate as/approval of approved make on all exposed surfaces all complete as per drawings.item to include <b>artificial Plants</b> (Raphis or Areca Palm) of height +600 mm	Nos.	2.00		
23	Providing Temporary arrangements for functioning of Branch throughout the course of completion of renovation work including temporary shifting of workstations, counters, storages, tables, chairs etc. to enable smooth functioning of the branch during renovation all complete as per the instructions of Architect / Bank's Engineer .	Job	1.00		

24	<b>Demolishing and Dismantling manually</b> and very carefully all old furniture i.e. partitions/ paneling/ counters/ tables/ modular workstations/ storages/ shelves, old false ceiling/, removing old steel/ aluminium window frames, steel/ aluminium/ glass/ wooden doors/ door frame from walls, aluminium partitions, removing old steel/ aluminium window frames, entrance steps, ramps, sanitary/ plumbing fittings, RCC platforms, granite cladding , electrical fittings, air conditioners, security and fire systems, floor/ wall tiles/ stone, etc. and other items as may be required but not specifically mentioned above for making the site clear for construction including stacking of serviceable material and disposal of unserviceable material upto all leads to municiple dumping yard including the cost of loading, unloading and transpotation etc. complete.	Job	1.00		
25	Providing and fixing high quality polyster based 3M Glass Deco film (lazer cut) in graphic pattern including labour, wastages etc. all complete as per instructions of Architect/ Bank's Engineer.	Sqm	6.00		
26	Providing and fixing in position Teak wood Beading all complete as per profile given in the detail drawing or as explained out of wooden sections of sizes given below. All should be finished with <b>high gloss PU Paint</b> of approved shade & colour with minimum 2 coats. This item will operate only for those mouldings which are to be fixed independent of any other item as mentioned in the Bill of Quantities and not measured under any other item etc. All complete as per detail drawing, as specified and as directed by Architect/ Engineer-in-Charge.				
	20 X 20 mm	Metre	5.00		
27	Supplying & installation of roman blinds for windows of polyester based fabrics of Vista/ approved make all complete and inclusive of taxes etc. as per the directions of the Architect.	Sqm	17.00		
28	Extra for supply, fabrication and Installation of <b>acrylic sheet</b> of make Dupont of ' <b>Salt (Translucent series), Azure &amp; Diamond Blue' 6 mm thk.</b> applied on Table top, Sides, Wall, Logo and the like in place of laminate. The edges to be joined should be straight, smooth and clean. Joints should only be made with joint adhesive for Dupont Corian. All corners of a cutout must be rounded to 5mm radius and the edges smoothed, both on top & bottom, all around a cutout. "L" & "U" shaped corners need smooth 5 mm radius inside corner all complete as per the the directions of the Architect/ Bank's Engineer. <b>Note:-</b> Finished area shall only be measured for payment.	Sqm	5.00		

29	Providing and fixing in position (in wall as well as in ceiling) wooden slats of section '75 mm X 150' mm made with 19 mm thick blockboard (IS :1659) finished with 1 mm thick laminate / approved make including grooves as/ Architect. The wood frame work to be applied with 2 coats of fire retardent paint and 1 coat of anti-termite wood preservative all complete as per direction of Engineer-in-charge/ Architect and drawings.	Mtr	20.00		
30	Providing and placing <b>SS perforated dustbin</b> with square holes of Euronics/ approved make (Cat No. AFBR 3FP) of size 8" X 12" all complete as per directions of Architect/ Bank's Engineer.	Nos.	12.00		
31	Providing and placing <b>SS perforated pedal bin</b> with inner removable container of Euronics/ approved make (Cat No. AFBP 3FP) of size 8" X 13.5" all complete as per directions of Architect/ Bank's	Nos.	3.00		
32	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (including the cost of chemical emulsion) Treatment of soil under existing floors using chemical emul sion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: 2.35.3.1 With Chlorpyriphos/Lindane E.C. 20% with 1% concentration Note : Treatment to be done by Professional agency, including 1 Year of complete warranty .	Sqm.	155.00		
<b>TOTAL FOR INTERIOR WORKS</b>					
<b>B ELECTRICAL WORKS</b>					
<b>S. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty.</b>		
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi- stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and flling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				

i	Primary light points controlled by one 6 amp. Modular switch	Nos.	32.00		
ii	Secondary light points controlled by one 6 amp. Modular switch	Nos.	50.00		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1.00		
iv	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level	Nos.	12.00		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	5.00		
vi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	9.00		
b	Secondary Point looped	Nos.	18.00		
vii	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 25 Amp MCB, for Glow sign Board.				
a	Primary Point	Nos.	2.00		
2	<b>POWER POINTS</b>				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
a)	Primary Point	Nos.	3.00		
b)	Secondary Point	Nos.	3.00		
3	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	2.00		
4	<b>COMPUTER POINTS</b>				

a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd , point and 2nd point to 3rd point. (Maximum 3 points in a circuit) c) Same as above but provide for television. (Maximum 3 points in				
	Primary Points	Nos.	6.00		
	Secondary Points	Nos.	10.00		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have <b>1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch</b> with all accessories, inner/ outer plates, metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer incharge for the <b>E- lobby, Fire, Token Vending</b> b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	1.00		
	Secondary Points	Nos.	1.00		
<b>II CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING, WIRING FOR T.V. SYSTEM.</b>					
<b>1.0 TELEPHONE SYSTEM</b>					
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for telephone socket with shutter, RJ 47 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	15.00		
1.2	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing &fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
a)	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	1.00		
b)	P/L 20 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtrs.	50.00		

<b>2</b>	<b>COMPUTER NETWORKING</b>				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub	Nos.	16.00		
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		
2.3 a	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	16.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	16.00		
<b>III</b>	<b>CABLES, MAINS &amp; SUBMAINS</b>				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	15.00		
ii	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	15.00		
iii	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (LIGHT DB, AC Supply).	RM	80.00		
iv	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (POWER DB, UPS Room).	RM	35.00		
v	Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification <b>(for Main Connection)</b>	RM	30.00		
<b>IV</b>	<b>DISTRIBUTION BOARD</b>				

	Supplying, installing, testing & commissioning of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland/ knock out plate & with built in loose wire boxl, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	<b>6-way TPN DB (LIGHT DB)</b>	No.	1.00		
	<b>Incomer:-</b>				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	12 Nos.10/20 Amp (10 KA) SP MCB				
b	<b>6-way TPN DB (AC + POWER DB)</b>	No.	1.00		
	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	12 Nos.10/20 Amp (10 KA) SP MCB				
c	<b>4-way SPN DB with 63 A TPN MCB (For UPS Input / output )</b>	No.	1.00		
d	<b>2-way SPN 40 A DB with DP MCB (For UPS Input / output )</b>	No.	2.00		
e	<b>12-way SPN DB (For UPS Sub DB )</b>	No.	1.00		
	<b>Incomer:-</b>				
	1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	<b>Outgoing:-</b>				



	8 Nos.6/10/16 Amp (10 KA) SP MCB				
<b>V</b>	<b>(LIGHT FITTINGS &amp; ACCESSORIES)</b>				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).				
i	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by Bank/ Architect.	Nos.	13.00		
ii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by Bank/ Architect.	Nos.	35.00		
iii	Supplying, fixing, testing and commissioning of 20 W LED T 8 Tube light of make As specified in tender document or approved by Bank/ Architect.	Nos.	4.00		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation supporting fittings of Led strip light (5 mtr.) make as specified in tender document or approved by Bank/ Architect.	Nos.	21.00		
a	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by Bank/ Architect. (METAL BODY)	Nos.	12.00		
b	Supply & fixing of 230 mm exhaust fan with louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by Bank/ Architect.	Nos.	1.00		
<b>VI</b>	<b>EARTHING SYSTEM</b>				
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	2.00		
2	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	1.00		
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	RM	120.00		
<b>VII</b>	<b>MAIN PANEL AND METER BOARD</b>				

1	supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. Metal D.B of reputed make with extendible rotary handle and extended connecting links				
	<b>1 No. 125 Amps,TPN MCCB (25 KA) with standard enclosure as per manufacturer specification or as approved by the architect/ Bank's Engineer.</b>	1	1.00		
2	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2 mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3 mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc as per specifications as required.main panel board of approved make				
	(KRYPTON POWER CONTROLS/ NEPTUNE/ TRICOLITE/ DFE Or should be CPRI Approved, Type of Approval as instructed by the Bank/ Architect) as per the following specifications, should be CPRI Approved. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be lcs breaking capacity				
	GA drawings shall be got approved by Bank				
	<b>a. Floor panel shall consists of :-</b>				
	<b>INCOMER</b>				
	1 no. 125 Amp 4P On Load Change over switch with 1 No. 125 Amps,TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit realease, Earth fault.				
	<b>BUSBARS</b>				
	160 amps TPN pole busbar chamber of suitable length with copper busbars. One set of TPN BUS BAR for Main Raw Power DB and other TPN Bus bar for interconnection of below outgoing supply interlinked with DG set. All busbars and interconnections shall be of suitable size copper strips.				

	<b>INDICATING PANEL</b>				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 125/5A ratio, 10 VA Class-1.0 metering. - 1 sets				
	Red/Green/Amber ON/ OFF/ TRIP indicating lamps with 2A SP MCB backup protection				
	1 set of three phase indicating lamps along with 2A SP MCB backup protection				
	Restricted Earth fault relay with 3 Nos. current transformers of 125/5 ratio, 10 VA Class 5P 10 (Numeric Relay not required)				
	Undervoltage, Overvoltage & phase reversal relay for persisted voltage of 105-180% & 20-95% of rated voltage (Numeric Relay not required)				
	<b>OUTGOINGS:-</b>				
	1 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Spare)				
	3 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Power DB, UPS & Spare)				
	3 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Ligth DB, ATM & Spare)				
	The <b>electrical panel</b> as described above and specifications complete.	Set	1.00		
	<b>VIII PUBLIC ADDRESS SYSTEM</b>				
1	Supply and laying Wiring of 1.5 sq mm twin core shielded type of speaker cable with Providing and fixing in position the following <b>FRLS PVC conduits</b> including all accessories concealed/exposed in F.Ceiling/Wall complete as required including 1.6/2.0 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit. including all accessories, conduit etc. all complete.	RM	55.00		
2	Supply, installation, testing and commissioning of following Philips (BOSCH) make Music Accessories / Equipments.				
a.	Ceiling Speaker Unit 6 Watts	Nos.	5.00		
b.	Power Amplifier, 30 Watts with output transformer etc. complete. Plena Range/ Ahuja or as approved by the Bank capable of taking Inputs from USB Also.	Nos.	1.00		
	<b>TOTAL FOR ELECTRICAL WORKS</b>				
	<b>C AIR-CONDITIONING WORKS</b>				
<b>S. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty.</b>		
1	<b>DUCTING</b>				
	Supply, Fabrication & Erection of Galvanized Iron AC ducting with all fittings such as tee bends, special off-chutes, turning vanes, splitter dampers as required including suspension and supporting arrangement for plenums, ducts all complete as per drawing (only hi-tech supports shall be used).				

a	24 SWG	Sqm	90.00		
b	22 SWG	Sqm	15.00		
2	<b>DUCT ACCOUSTIC LINING</b>				
	Supply, Installation, testing and commissioning of Duct accoustic lining with 25 mm thick fibre glass insulation, covered with perforated aluminium 26 Gauge, sheet nuts, bolts etc. complete as per specification and drawings.	Sqm	15.00		
3	<b>INSULATION</b>				
	Supply, Installation, testing and commissioning of closed cell Crossed linked nitrile rubber thermal insulation on duct (Class I) with tape & adhesive: 9 mm thick complete as required.	Sqm	105.00		
4	<b>GRILLES/ DIFFUSERS</b>				
a	Supply, Installation, testing and commissioning of Air Balancing of Powder coated grills/ diffusers with VCD for supply air all complete.	Sqm	5.00		
b	Supply, Installation, testing and commissioning of Air Balancing of Powder coated grills/ diffusers without VCD for return air all complete.	Sqm	5.00		
5	Canvas connection.	Nos.	2.00		
6	Volume control dampers.	Sqm	2.00		
<b>TOTAL OF AC</b>					
<b>D</b>	<b>SALVAGE/ BUYBACK</b>				
1	Dismantling, removal and disposal from office on as is where is basis of the following items including the cost of loading, unloading and transportation etc. complete. The quantities mentioned below against different salvage items are tentative. <b>It is advised to survey and assess the condition of various salvage items at site before quoting the rates.</b> Claims on account of over assessment of the cost of various salvage items without examination of the actual quantities and condition of the various salvage items shall not be entertained at a later stage.				
(i)	All <b>partitions</b> including framework:				
a	Wooden partition (approx. area)	Sq.ft.	510.00		
b	Wooden panelling (approx. area)	Sq.ft.	550.00		
	<b>Furniture/ Counters/ Tables</b>				
(ii)	Officer Tables (all size and shape).	Nos.	14.00		
(iii)	Chairs	Nos.	33.00		
	<b>Storages</b>				
(iv)	Low/ Full Height wooden storages	Sq.ft.	550.00		
(v)	FALSE CEILING	Sq.ft.	1400.00		
(vi)	Wirings/ DBs etc.	Lot	1.00		
(vii)	Wall Fan	Nos.	5.00		
(viii)	Light Fixture 2 X 2	Nos.	10.00		
(ix)	Light Fixture Downlighter	Nos.	15.00		

(x)	Ducting	Sqm	40.00		
	<b>Note:</b> The site and premises to be cleared of all dismantled serviceable/ unserviceable material. i.e. disposal of all dismantled materials/ fixtures and debris/ garbage material beyond existing Bank's premises including all leads and lifts etc. complete. Disposal / rubbish to be disposal well before submission of bills for consideration of payment.				
	<b>Minimum reserved price for the salvage/ buyback items shall be Rs. 125150</b>				