

<u>BOQ FOR INTERIOR & FURNISHING, CIVIL, ELECTRICAL AND AIR CONDITIONING WORKS OF PSB ZONAL OFFICE, CENMARG & F.G.M OFFICE, KOLKATA</u>		
<u>S.NO</u>	<u>DESCRIPTION</u>	<u>AMOUNT (Rs.)</u>
A	SCHEDULE-"A"(FURNISHING WORK)	
	TOTAL SCHEDULE - A	
B	SCHEDULE-"B"(CIVIL WORK)	
	TOTAL SCHEDULE - B	
C	SCHEDULE-"C"(ELECTRICAL WORK)	
	TOTAL SCHEDULE - C	
D	SCHEDULE-"D"(AC WORKS)	
	TOTAL SCHEDULE - C	
	TOTAL (SCHEDULE-A+B+C+D)	
	DISCOUNT IF ANY	
	NET TOTAL AFTER DISCOUNT	
	* GST EXTRA AS APPLICABLE	

INTERIOR & FURNISHING, CIVIL, ELECTRICAL, AIR- CONDITIONING, FIRE DETECTION WORKS OF PUNJAB & SIND BANK F.G.M & ZONAL OFFICE AT KOLKATA.					
S.No	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
A.	INTERIOR & FURNISHING WORKS				
I.	<u>PARTITIONS AND PANELLING:-</u>				
1.1	Full Height Partition: 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 Aluminium Sections (1.5 mm) with minimum 11 mm thick High Density High Moisture Resistant (HDHMR) fibre board on both sides finished with 1 mm thick laminate of 'UGM' Frosty White/ Alberta Maple of make Archidlam/ 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 with DUCO paint of matching laminate colour including all necessary fittings and SS hardware of make Hettich/ Hafele/ Dorma/ Ozone/ Ebco. The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting, door/ glazing as per drawings.	Sqm	185.77		
	Note:- a) In case of false ceiling, the vertical Aluminium 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 be measured separately and paid under relevant item.				
1.2	Glazed Partition: Providing and Fixing of full height wooden glazed partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws.Frame size 50 x 50 MM with 11mm thick HDHMR Ply with 1mm thk. Laminate in approved colour,design, shape and size, & 12mm thick toughned glass panel fixed upto 8'-0"ht. including all exposed surface with teak lipping 6mm thk as required and instructed by Architect and teak wood door frame in between the partition. including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/Engg.	Sqm	28.83		

1.3	<p>Low Height Partition: 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 Aluminium Sections (1.5 mm) with minimum 9 mm thick High Density High Moisture Resistant (HDHMR) fibre board on both sides finished with 1 mm thick laminate of 'UGM' Frosty White/ Alberta Maple of make Archidlam/ 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 with DUCO paint of matching laminate colour or as directed including all necessary fittings and SS hardware of make Hettich/ Haffele/ Dorma/ Ozone/ Ebco. The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting as per drawings. Top of the partition to be finished with 12 mm thick MDF (over 4 mm MDF to creat groove) finished with duco paint matching with laminate as per approval of Architect/ Bank's Engineer. Item to include providing and fixing in position 12 mm thick Toughened glass finished as per required size finished as per approval of Architect/Bank's</p>	Sqm	73.33		
	<p>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.</p>				
1.4	<p>Wall Panelling: 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 Aluminium Sections (1.5 mm) with minimum 11 mm thick High Density High Moisture Resistant (HDHMR) fibre board finished with 1 mm thick laminate of 'UGM' Frosty White/ Alberta Maple of make Archidlam/ 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.</p>	Sqm	371.36		
	<p>Note:- a) In case of false ceiling, area of panelling 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 panelling, average height shall be considered. c) Openings/ door/ glass shall be measured separately and paid under relevant item.</p>				
1.5	<p>Extra for panelling to be finished with 6 mm thick laquered glass (instead of laminate) with adhesive of approved brand and manufacture all complete as per the directions of Architect/ Bank's Engineer.</p>	Sqm	6.64		

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ARCHITECTS AND INTERIOR DESIGNER

1.6	Extra for panelling to be finished with with 12 mm HDHMR fluted panel finished with Duco Paint (DESIGN CODE: 6104) (instead of laminate) in required colour of make GLO or approved equivalent. over wall, including cost of labour, materials, accessories, adhesives, scaffolding, wastages, transportation, taxes, etc. all complete as per drawing and instructions of Architect/ Bank's Engineer.	Sqm	22.35		
1.7	CNC Design: Providing and fixing of paneling on column/wall. Framing shall consist of Aluminium Box Sections 50mm x25 mm x1.5 mm wall thickness (0,583 Kg/m) (Make Jindal/ Hindalco/ Indal) with maximum spacing @ 600mm c/c both ways horizontally and vertically on the column/wall. This framing would be covered by 12mm Commercial Ply (Make. GREENPLY/ Century / Duro) and Above 12mm Thk.CNC HDHMR Board (As per Design) Finishing with Royale Matt PU Polish. of desired shade design and gloss of approved makes. Wooden molding, lipping etc.shall be provided wherever required as per drawing in desired shade. . The work shall also include the cost of making cutouts for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical/telephone/Data cabling etc.including cost of 3mm thick white foam sheet back of aluminium box sections, and 6" wide laminate strip bleow the under line of ceiling on wall 2" wide laminate strip of yellow colour on top surface of it with green colour laminate strip 4" as per drawing.	Sqm	19.60		
1.8	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/ Haffele/ Dorma/ Ozone/ Ebco) and frosting as per drawing. Item to include floor springs, lock, 600 mm long D- handles and other necessary hardware of Stainless Steel of make Hettich/ Haffele/ Dorma/ Ozone/ Ebco all complete as per the directions of Architect/ Bank's Engineer.				
A.	Fixed Glazing	Sqm	55.66		
B	Openable door	Sqm	19.28		
1.9	Providing & Installing quarter round 6mm Lacquered glass/ Divider with necessary fittings & hardware above Table top. The edges of the glass to be machine polished as per drawing & approval of the architect in charge.	Sqm	2.97		
II.	STORAGE:-				

2.1	Providing and fixing low height storage (upto 750/1200 mm high) and 450 mm deep (overall) as shown in details/ drawing with all sides & shelves to be 18 mm HDHMR fibre board with 5.5 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 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	66.36		
	The item shall include finishing teakwood surfaces with duco paint to match with specified laminate and outside surfaces to be finished in laminate all complete to the satisfaction of Architect/ Bank's Engineer. [Front elevation shall be measured for payment].				
2.2	Same as above but Full height storage (upto 2100 mm high) and 450 mm deep (overall) sides & shelves to be 18 mm HDHMR fibre board with 5.5 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	Sqm	198.46		
2.4	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 5.5 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 on all outside surfaces and 0.8 mm thick laminate on all the inside surfaces. 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	6.75		
	All outside surfaces to be finished in laminate all complete to the satisfaction of Architect/ Bank's Engineer. Note:- Front elevation shall be measured for payment.				
2.5	Same as above but for under counter storage with depth of storage as 600 mm.	Sqm	4.08		
2.6	Vanity Unit for Wash Basin: Providing and fixing cabinet 600 deep in 19 mm thick. BWR Waterproof ply below RCC slab. Cabinet to have shutter with provision of shelf inside, complete laminated inside with 0.8mm thick laminate and outside with 1mm thick. High gloss laminate of approved shade, complete in all respect including 2 mm PVC edge binding tape of matching shade at exposed edge, hinges, Hardware, latches, magnetic catchers, etc.of approved make.The Front elevation area shall be considered for payment.	Sqm	3.84		
III.	DOORS :-				

3.1	Solid Flush Door: 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/ Alberta Maple 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/ Ozone/ Ebco all complete as per directions of Architect/ Bank's Engineer.	Sqm	35.50		
3.2	FIRE DOOR: Supplying & fixing Makes- (Hormann, Tata Pravish, Flametech) P/F KFD 40mm thick STEEL -MATE powder coated, 120 minutes fire rated (for Stability & integrity) GI steel or Galvanized (Zinc Coated) steel Door and frame by KFD conforming to IS 3614 part 2 & BS 476 part 22. the Door shutter made of with 0.8 mm thick steel pressed formed to provide a 46 mm thick fully flush double skin door shell with lock seam joint at stile edges. the internal construction of the door to be phenolic resin impregnated specially designed honeycomb craft paper with suitable internal reinforcement. Suitable reinforcement is to be providing in the door shutter to receive the hardware and hardware to be fixed on the door with no visible screw other than in the glass beading. The doors with double shutters are to be provided with astragals on both sides and astragals to be fitted to the door without any screw. The shutter to be fixed with SS Hinges (Size 100X75X3mm), (3nos per shutter) handle (1set), locking (1nos) etc with complete fittings. (Make- Dorma, Ozone, Godrej).	Sqm	1.95		
	The door frame (Section size 100X50) made from 1.2mm thick GI steel/GP steel pressed to single rebate profile for better structural strength. Frames are to be fixed to the wall with fasteners. The gap between the frame & the shutter should not exceed 3mm on all sides except at the bottom where the gap can go upto max. of 5/7mm. The entire assembly to be pre-finished, factory-finished heat ovened, powder coated. including cost of door closer (Make- Dorma, Ozone, Godrej or equivalent make 2 hrs fire rated door closer with 10 yrs warranty tested to BS-476 Part 22 to the entire satisfaction of Engineer/architect-in-charge.				
3.3	Electrical Panel/ UPS Cabinet with louvres door: Providing and fixing 18 mm thick HDHMR cabinet to enclose Electrical Panel including 18 mm thick HDHMR shutter finished in 1 mm thick laminate on outer sides of approved shade 'UGM' Frosty White/ Alberta Maple of make Archidlam/ equivalent shade in approved make and 0.8 mm laminate on internal surfaces 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's Engineer. 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 (front fascia to be measured for payment).	Sqm	7.77		
IV.	CEILING AND FINISHING WORKS:-				

4.1	<p>GYPSUM BOARD FALSE CEILING: Providing and fixing at all heights 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 shall be 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 manufacturers 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 Architect/ Bank's Engineer with: 12.5 mm thick tapered edge gypsum board conforming to IS:2095- Part-I of India Gypsum/ BORAL/ approved make for both framework and the board.</p>	Sqm	554.53		
	<p>Item to include painting with plastic emulsion paint with 'Velvet Touch' 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. [Plan Area + cove/ band upto 250 mm as level difference shall be measured in sqm. for payment].</p>				
4.2	<p>Providing and fixing Metal False Ceiling Tiles of Armstrong/ USG/ Boral with MICROLOOK edges and having noise reduction properties laid on grid system 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 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.</p>	Sqm	55.75		
4.3	<p>Providing and fixing suspended false ceiling with 12.5mm Fully Perforated gypsum board (Makes-saint gobain) to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consisting of a perimeter channel (MF6a of dimension 20mm X 27mm X 37 X3.5m) fixed round the perimeter to receive and of the ceiling section (MF5) and outer edge to gyp-board. The intermediate channel (MF7 of dimension 15mm X 45mm X0.9mmX3.5M) at 1200mm c/c in the one direction and the ceiling section (MF5 of dimension 80mm X 26mm X 0.5m X 3.5M) at 450mm c/c in the other direction to be connected by a connecting clip. The grid to be suspended with an adjustable strap hanger(MF8) of dimension 25mmX9.5mm at 1200mm c/c on both ways from the structural soffit cleat and expandable bolts/fasteners Nut and bolts to be used to connect strap hangers to soffit cleat.</p>	Sqm	43.68		

4.4	Providing and fixing Baffle Ceiling System false ceiling at all heights of approved texture, design and pattern. The baffle fixed with end cap at terminals and intermediate connector piece at joints in true horizontal level suspended on interlocking Grid of hot dipped all round galvanized iron section of 0.8mm thick (galvanized @120 GSM) comprising of main Baffle carrier of 23X34mm 0.5mm thick of length 3000 mm, cross Secondary C Channel (40mm X 0.8mm thick with two flanges of 15mm & 20mm) of length 3000 mm suspended from ceiling using galvanized mild steel item (galvanised @ 80 GSM) 50mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'Baffle carrier'. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge. Note: All support carriers to be powder coated with approved colour Make: Armstrong, Hunter Douglas, Lindner AG, Anakon, USG Boral 25mm wide 100mm high 0.07mm thick powder coated aluminium at 150mm centre to centre. Measurement will be done for length.	Sqm	8.12		
4.5	Providing & installation of approved quality of PET Acoustic Panels . The baffle units shall be in size of 2400 mm (W) X 300mm (H) X 9mm (thk), non perforated. The ceiling baffle units shall be installed at a distance of 150 mm c/c in one direction. The baffle units shall be attached to C-channel carriers and baffle hanger spaced as per drawing. The C- channel carriers shall then be cross connected to perforated L-angle primary grid and suspended with M6 threaded rod hangers of approved make and specifications as per instructions of Architect and drawing. The ceiling to be finished with plastic emulsion paint of approved brand and shade as per the direction of the architect.	Sqm	35.56		
V.	COUNTERS AND TABLES:-				
	F.G.M/ ZM TABLE With Side Rack:				
5.1	Providing and fixing in position ZM Table 2400 X 900 mm wide with 1 mm thick high gloss laminate as per list of approved makes comprising of the following complete in all respects (REFER DRAWING):	Nos.	2.00		
(i)	Work top and sides (with 50 mm thick edge) to be made with 12 mm solid acrylic surface pasted over 18 mm thick HDHMR board including jointing, polishing, edge moulding etc.all complete. Inside facia of the board shall be finished with 0.8 mm thick laminate. 10 mm thick clear glass with bevelled edges to be provided on top.				
(ii)	Vertical facia (apron) to be made with 18 mm thick HDHMR 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 shall be 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 to be 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 0.8 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 Duco paint.				
5.2	Providing and fixing in position AGM Table with Side rack: 1950 X 900 mm 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.	3.00		
(i)	Work top to be made with 18 mm thick HDHMR board all complete. Inside facia of the board shall be finished with 0.8 mm thick laminate. 10 mm thick clear glass with bevelled edges to be provided on top.				
(ii)	Vertical facia (apron) to be made with 18 mm thick HDHMR 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 0.8 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.				
5.3	Same as above but size of CM Table with side rack is 1800 X 900 mm	Nos.	9.00		
5.4	Working Counter : Providing & fixing working counter each (4'-0"X 2'-0"/2'-6") height 2'-6" with readymade CPU trolley, Chest of drawer and keyboard provision complete in all respect as specified above item (5a) and as per detail dwg.	Nos.	8.00		
5.5	Providing & fixing Running Counter/ Table for staff with 18 mm thick HDHMR board top with 1 mm thick high gloss laminate finish. Table shall be supported on drawer unit on one side and on the other side on gable end to be finished with 1 mm thick laminate from outside and 0.8 mm thick white laminate from inside. Counter to have one drawer unit (minimum 1 drawer & 2 Nos. shelf) per occupant (approx. 1200-1500 mm running length per occupant) with specifications for drawer units etc. The drawers to run on telescopic drawer channels. Drawer units shall have two smaller and one bigger drawer and auto locking arrangement (Godrej). Footrest 75 X 50 mm made of 2nd class teakwood member to be fixed in each table. The rate shall include providing all hardware such as drawer channels, S.S. handles, cable manager (Hettich/ Dorma/Haffele/ Ozone/ Ebco) etc. complete. The item also includes a tray for keyboard running on telescopic channel, finished with decorative texture laminate on top and rounded front of size 560 X 450 mm, readymade CPU trolley with castors etc. complete to the satisfaction	R.Mt.	64.79		
	The width of running counter/ table shall be 600/750 mm.				

5.6	Providing and placing Conference Table of size 6000 X 1200 mm and 750 mm high made of 18 mm thick HDHMR fibre board and finished with 1 mm thick high gloss laminate in all designs/ combinations of approved make including grooves as/ Architect on all Exposed surfaces all complete as per drawings. Inside facia of the fibre board shall be finished with 0.8 mm thick laminate. comprising of the following complete in all respects: Work top (with 75 mm thick edge) to be made with 6 mm solid acrylic surface pasted over 18 mm thick HDHMR fibre board including jointing, polishing, edge moulding etc. all complete. 8 mm thick clear toughened glass with bevelled edges to be provided on top.	Nos.	1.00		
(i)	Understructure of tables shall have good wire management capabilities with separate routing for power and data/ voice cables.				
(ii)	Cables from floor to the table top should be concealed within the table leg.				
(iii)	All electrical and data/voice points to be accessed from table top through a cavity cutout into the top.				
(iv)	Table shall have wire Management system accessible from the table top on the horizontal surface through cable cubbie. Cable dumps to be provided depth of cable dump is 250 mm, sockets, switches data and voice points are to be provided at the bottom of the dump. Flip top to be provided to the flush of work surface.				
(v)	6 Nos. Flip top (pop up box) to be provided flush with worktop surface.				
5.7	Same as above but size of Meeting Table is (9'-0" X 3'-0") complete in all respects as per Architect	Nos.	1.00		
5.8	Providing and fixing in position Reception table 1800 X 600 X 1050 (h) mm wide (as per design) with 1 mm thick High Gloss Laminate of approved make & shade comprising of the following complete in all respects (REFER DRAWING):	Nos.	1.00		
(i)	Work top to be made with 6 mm solid acrylic surface pasted over 18 mm thick HDHMR fibre board including jointing, polishing, edge moulding etc. all complete. Inside facia of the fibre board shall be finished with 0.8 mm thick laminate. 8 mm thick clear toughened glass with bevelled edges to be provided on top.				
(ii)	Horizontal drop box (apron) to be made with 18 mm thick HDHMR fibre board and finished with 6 mm solid acrylic surface including jointing, polishing, edge moulding etc. all complete on all facia as per Architect/ Bank's Engineer.				
(iii)	Horizontal facia shall be finished with laquered glass pasted with adhesive etc. as required all complete as per the directions of Architect/ Bank's Engineer.				

(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 readymade keyboard tray shall be provided of approved model and make.				
(vi)	The item to include all necessary hardware and fittings in SS finish, 10 mm thick lipping/ teak patti to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. [Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.]				
5.9	Lacquered Glass(in front modesty panel of Workstations/ working counter)				
	Providing and fixing 4mm thick lacquered glass of specified colour (make: saint gobain) using recommended adhesive over pre existing front modesty panel,complete job to the satisfaction of the architect/bank's engineer.	Sqm	32.40		
FURNITURE:-					
6	Providing and placing Corner table of size 400 X 400 mm made of 18 mm thick HDHMR board and finished with 1 mm thick laminate 'UGM' Frosty White/ Alberta Maple of approved make on all exposed surfaces all complete as per drawings. The table shall have 10 mm thick toughened glass top having bevelled edges with SS spacers lazer jointed, 15 mm high plastic legs at bottom and maximum height of table to be 400 mm. All complete to the satisfaction of Architect/ Bank's Engineer.	Nos.	3.00		
7	Providing and placing Center table of size 900/1200 X 600 mm made of 18 mm thick HDHMR board and finished with 1 mm thick laminate 'UGM' Frosty White/ Alberta Maple of approved make on all exposed surfaces all complete as per drawings. The table shall have 10 mm thick toughened glass top having bevelled edges with SS spacers lazer jointed, 15 mm high plastic legs at bottom and maximum height of table to be 400 mm. All complete to the satisfaction of Architect/ Bank's Engineer.	Nos.	5.00		
8	3 SEATER Sofa - Supply & installation as per layout plan three seater sofa with SIZE : 2010(W) X 900(D) X 850(H).sofa The seat is made of 4" PU foam having an additional top layer of super soft PU foam upholstered with leatherette. The back is made of PU foam with two additional top layer of super soft foam, upholstered with fabric or leatherette Under structure is made up of 1.2 0.1cm. thick hot pressed plywood & pinewood of crossection devoid of major knots & surface defects per seat & 3.8mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose per seat 3.8 mm Dia zig zag spring assembly is mounted over under structure for cushioning purpose. It is a welded assembly made in Stainless steel tube & plate with plastic end cap.complete in all respect & direction of architect-in-charge.	Nos.	5.00		

9	2 SEATER Sofa - Supply & installation as per layout plan three seater sofa with SIZE : 1500(W) X 900(D) X 850(H).sofa The seat is made of 4" PU foam having an additional top layer of super soft PU foam upholstered with leatherette. The back is made of PU foam with two additional top layer of super soft foam, upholstered with fabric or leatherette Under structure is made up of 1.2 0.1cm. thick hot pressed plywood & pinewood of crosssection devoid of major knots & surface defects per seat & 3.8mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose per seat 3.8 mm Dia zig zag spring assembly is mounted over under structure for cushioning purpose. It is a welded assembly made in Stainless steel tube & plate with plastic end cap.complete in all respect & direction of architect-in-charge.	Nos.	3.00		
10	Providing, fabricating and fixing in position as per layout plan upto 600 X 1800 X 750 mm Bed Unit (In Doctor's Room) with under storage as shown in details/ drawing with all sides to be 18 mm thick HDHMR board. The HDHMR board shall be finished with 1 mm thick laminate 'UGM' Frosty White/ 'E-1761' Alberta Maple of make Archidlam/ equivalent shade in approved make on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces. All edges to be finished with 0.8 mm thick PVC Edge banding all complete. All outside surfaces to be finished in laminate all complete to the satisfaction of Architect/ Architect/ Bank's Engineer. Item to include Providing and placing of 6" foam mattress with Leatherite covering with white Bedsheet. (colour as/ approval).	Nos.	1.00		
6	UPVC DOOR / WINDOW				
	Note 1: clear area will measure for Measurement purposes. Quoted rate including all shape, size, lead lift, scaffolding, wastage etc. complete in all respect wherever required.				
	Note 2: Rates to include: The window manufacturer shall issue to the client a certificate of warrantee against any manufacturing or installation defect, valid for minimum of ten year for rectification of the defect.				
	Providing and fixing factory-made UPVC white or approved colour. Glazed door/window (according to drawing) size comprising of uPVC multi-chambered frame with inbuilt roller track and sash extruded profiles duly reinforced with 2.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (powder coated of approved colour) touch locks with hook, zinc alloy body with single/ double nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners for fixing frame to finished wall and necessary stainless- steel screws etc. The gap between frame and adjacent finished wall shall be filled with weatherproof silicon sealant Single glass panes, noise, dust proof, lead lift, scaffolding, protection, etc. all complete as per approved drawing &direction of Engineer-in-Charge.				

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6.1	Providing & fixing in position side openable and fix glass windows as/ attached image in UPVC frame sections as per requirement including 11.52 mm toughened security glass (5mm CLT+1.52 CLEAR PVB+ 5MMCLT), complete including , lock, handle, with left to right pleated mesh , casement sash, hinges, noise proof etc. complete in all respect as per approval.	14.25	Smt		
VII.	MISCELLANEOUS:-				
7.1	Providing and fixing of 10 mm wide 10 mm thick laser cut acrylic letters & brand logo. Lettering in acrylic sheet in white colour and logo as per our Brand colour of required size and shape including fixing with adhesive as per approved architectural drawing etc. all complete as per direction of Architect/ Bank's Engineer.	per square inch	400.00		
7.2	Providing and fixing high quality polyester 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	42.10		
7.3	Providing and fixing notice board with teak wood framing finished with duco paint and filled with soft board and covered with fabric all complete as per the directions of Architect/ Bank's Engineer.	Sqm	6.57		
7.4	Supplying & installation of roller blinds for windows of polyester based fabrics of Vista/ approved make all complete as per the directions of the Architect.	Sqm	14.36		
7.5	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/ Bank's Engineer.	Sqm	6.30		
7.6	Providing and fixing CNC Cutting Mild Steel (MS) sheet works as/ design /approval. Rates to include priming and painting with 2 or more coats of DUCO paint of approved brand and manufacturer to give an even shade/ combination of shades - 2 or more coats on new work etc. all complete as per the directions of Architect/ Bank's Engineer.	Sqm	2.40		
7.7	Providing and fixing EURO PRATEEK ELLITE stainless steel profile as/ approval over existing base with adhesive all complete as per the directions of Architect/ Bank's Engineer.				
(i)	U- shaped, 18 mm (finish-Gold, Copper)	Mtrs.	20.00		
7.8	Supplying and fixing of Artwork (Base cost- 2500/- excluding cartage and all other taxes etc. which shall be borne by the contractor) all complete as per the directions of Architect/ Bank's Engineer.	Nos.	3.00		
7.90	ARTIFICIAL PLANT				

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	Providing and fixing in wire-mesh substrate, Artificial Plants of size 2100 (L) X 300(W) height not less than 500 mm. as approved and of first quality. (Plants can be Dieffenbachia plant, Areca plant, Aglaonema plant, Monstera, four wall Bamboo, Croton plant etc.) Item inclusive of all accessories, planter pot of wooden Base, as approved by Architect, protecting installation by avg. 20-micron polythene sheet till handover of facility etc. complete. Rate also to include polished stone pebbles of different colour of appx. 2"size or as require to cover base of plant at pot top. The type and height will be decided after evaluating the various mock-up plants provided by the vendor from various professional sources in zonal office, complete to the satisfaction of Architect/ Engineer.	Nos.	1.00		
7.10	Providing and fixing natural green indoor plants 300mm x 300 mm, Height of plant not less than 300 mm and dense foilage, Plants can be Dieffenbachia plant, Areca plant, Aglaonema plant, Monstera, etc. including fertilizer, soil, cocopeat, a complete in all respect as per approval.	Nos.	10.00		
TOTAL AMOUNT FOR INTERIOR FURNISHING WORKS					

B.	CIVIL WORKS				
1.	Brick work 9" with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure: Cement mortar 1:4 (1 cement : 4 coarse sand).	Cum	4.28		
2.	Half brick masonry 4.5" with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement : 3 coarse sand). Item to include providing 6 mm bar on every 4th course (layer) of brickwork.	Sqm	62.37		
3.	Providing 12 mm thick cement plaster of mix :1:4 (1 cement : 4 coarse sand).	Sqm	176.00		
4.	Providing and laying premium double charged Vitrified Tiles (800 X 1600 mm) (Kajaria/ Johnson/ NITCO/ Somany) of approved shade having thickness as per manufacturer's specifications in two or more colour/ shade and flooring pattern/ design. The tiles to be fixed after levelling of the existing floor as may be required with cement concrete (to be measured and paid separately under relevant item). The tiles shall be laid on base of 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand). The tiles to have grooves made with spacers between them of 2 - 5 mm as per instructions including removal of spacers before pointing the joints all complete as per instructions of Architect/ Bank.	Sqm	694.36		
5.	Providing and fixing AC-4 grade 8 mm thick laminated flooring on 2 mm thick foam of density 18 kg/ cum which is inturn laid on 37 micron polythene sheet. The laminate panel size will be 1200 mm X 200 mm random and fixed with each other by tongue and grove joint or by lock connect joint. Skirting and end profiles of the same shade are to be used to end the flooring in the doors openings. The colours and the shades will be as per Architect/ Bank's Engineer of make Armstrong/ Pergo/ Action Tesa.	Sqm	35.45		
6.	Providing and fixing 1st quality Ceramic wall tiles (Printed/ Polished/ Sugar finish) of size 300 X 600 conforming to IS: 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades as approved by Architect/ Bank's Engineer, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade all complete.	Sqm	186.50		
7.	Providing and fixing 1st quality ceramic floor tiles of size 300 X 300 conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades as approved by Architect/ Bank's Engineer. 1st quality of approved make in all colours, texture. The tiles to be fixed after levelling of the existing floor as may be required with cement concrete (to be measured and paid separately under relevant item). The tiles shall be laid on base of 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), jointing with grey cement slurry @ 3.3kg/ sqm including pointing the joints with white cement and matching pigment etc. all complete.	Sqm	44.15		

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8.	Providing & fixing 18 mm thick Pre-polished Granite Stone (Black, brown etc.) as per design on flooring, in risers of steps, tread (of staircase), skirting, dado, Urinal partitions, counter top and Ramp floor (as/ given design) including making cut-out/ provision for basin/ sink. The stone to be fixed with cement mortar 1:2 (1 cement: 2 coarse sand) in design and shape as per drawings including half round moulding of the stone edges. Providing groove (3 Nos.) near edge to act as anti skid treatment in granite laid on steps all complete as per directions of Architect/Bank's Engineer.	Sqm	28.90		
9	Same as above but by using flamed granite.	Sqm	3.90		
10.	Providing and laying water proofing treatment (CICO/ Dr. Fikit to be carried out by approved water proofing expert and professional agency only. Contractor has to submit a Performance Guarantee for 10 years for water proofing works in Bank format as per Bank Engineer/ Architect on Stamp Paper) in sunken portion of WCs, bathroom, etc. , by applying cement slurry mixed with water proofing cement compound consisting of applying:(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, cleaning the surface before treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	38.00		
11.	Wall painting with plastic emulsion paint of approved brand and manufacture over a coat of primer to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Berger/ Dulux.	Sqm	501.04		
12.	Providing and applying birla putty of 5-6 mm thickness over plastered surface to prepare the surface even and smooth all complete as per the directions of Architect/ Bank's Engineer.	Sqm	500.65		
13.	Painting with synthetic enamel paint over priming coat of approved brand and manufacture to give an even shade: Two or more coats on new/ existing work.	Sqm	175.90		
14.	Core Cutting of existing RCC slab upto 200 mm dia. for Toilet & FHC pipes etc. with help of machine all complete as per direction of Architect/ Bank's Engineer.	Nos.	6.00		

15.	Demolishing and dismantling manually (First floor & Cenmarg Department on Ground Floor) and very carefully after due confirmation from bank of MS grill & aluminium windows (approx.120 sqm. area) from windows, floor/ wall tiles (approx. 600 sqm. area) old brick in walls (approx. 60 sqm.), stone, all old furniture i.e. partitions/ paneling/ counters/ tables/ modular workstations/ storages/ shelves, old false ceiling, steel/ aluminium/ glass/ wooden doors/ door frame from walls, aluminium partitions, steps, ramps, sanitary/ plumbing fittings, RCC platforms, granite cladding , electrical fittings, wires, DBs, air conditioners, copper piping, drain piping, security and fire systems etc. and other items as may be required but not specifically mentioned above for making the site clear for renovation 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. all complete as per directions of Architect/ Bank's Engineer.	Job	1.00		
<u>SANITARY & PLUMBING WORKS</u>					
PLUMBING WORK					
	Plumbing works includes cleaning of surface & removing old connections from site as per instructions. Item also includes all necessary connections with existing pipes, manholes and service lines and necessary liasioning with building authorities.				
1.	Providing and laying Heavy Duty PVC pipes of approved make in floor including covering the same with concrete having 1:2:4 mix (1 cement: 2 coarse sand: 4 stone aggregate 12mm nominal size). The item includes all other accessories such as floor traps, bends, etc. as may be required with all joints to be sealed with solution, necessary digging/ chasing and covering the same properly, later etc. complete as per instructions of Architect/ Bank's Engineer.				
a	Same as above but for 50 mm dia nominal bore pipe.	Mtr.	30.00		
b	Same as above but for 75 mm dia nominal bore pipe.	Mtr.	58.00		
c	Same as above but for 110 mm dia nominal bore pipe.	Mtr.	82.00		
2.	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes , having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Architect/ Bank's Engineer.				
a	Same as above but for 20 mm dia nominal bore for concealed internal piping.	Mtr.	236.00		
b	Same as above but for 25 mm dia nominal bore for shaft to toilet piping.	Mtr.	54.00		

3.	Providing and fixing approved quality CPVC Nahani Trap of approved make and having self cleansing design with C.P. pressed steel grating with or without vent arm of the below mentioned sizes for inlet and outlet including cost of cutting/ chasing and making good the floors wherever required etc. complete as per instructions of Architect/ Bank's Engineer.				
a	100 mm dia nominal bore for inlet and 75 mm dia nominal bore for outlet.	Nos.	22.00		
SANITARY WORK					
4.	Providing & fixing White Vitreous China extended body wall mounted Water Closet and cistern ' Enigma ' of make Hindware/Jaguar with all fitting, fixtures including C.P bolts, nuts, C.I bracket or other hanging arrangements with composite seat and lid with SS hinges and including cutting and making good the walls and floors wherever required all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	8.00		
5.	Providing and fixing White Vitreous China Italian collection Magna Counter Top Wash Basin of make Hindware/Jaguar with 15 mm C.P. brass pillar tap of make Jaquar, 32 mm C.P. brass waste without pop up system of make Jaquar or approved make including painting of fittings and brackets, cutting and making good the walls and floors where required etc. all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	6.00		
6.	Providing and fixing White Vitreous China Counter Top ' Monalisa ' of make Hindware with 15 mm C.P. brass pillar tap of make Jaquar, 32 mm C.P. brass waste without pop up system of make Jaquar or approved make including painting of fittings and brackets, cutting and making good the walls and floors where required etc. all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	2.00		
7.	Providing and fixing Basin mixture (jaquar WB DIV PLATE DRC 37233K - NK) along with all accessories as may be required complete.as per instructions of architect / bank's engineer.	Nos.	2.00		
					
8.	Providing and fixing vitreous china flat back type Urinal 'Flat Back Large' cat no. '60002' of make Hindware/Jaguar having Pressmatic Urinal Flush Valve, standard size C.P. brass pipe and clamps with bottle trap, waste fittings including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc. complete as per instructions of Architect/ Bank's Engineer.	Nos.	9.00		

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9.	URINAL PARTITION: Providing and fixing frameless urinal partition rectangular shaped 10mm thick of toughen frosted glass (size - height=900, width 450), fitted with required SS fittings at wall, between urinals complete in all respect.	Nos.	7.00		
10.	Providing and fixing 15 mm nominal bore C.P. brass angle valve for wash basin and cistern points of approved quality of make Hindware/Jaquar etc. all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	34.00		
11.	Providing and fixing Health Faucet with 2 Way Bib Cock 'CQT-CHR-23041 of make Jaquar or approved equivalent with SS screws etc. all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	8.00		
12.	Providing and fixing C.P. brass Towel Rail with hanger (ACN-1181N) including cutting and making good the walls wherever required of make Jaquar etc. all complete as per the directions of the Architect/ Bank's Engineer.	Nos.	8.00		
13.	Providing & fixing paper holder along with necessary fixing arrangements etc. (Jaquar Code: Q AKP 35751P)	Nos.	8.00		
14.	Providing, fixing C.P. Grating complete. (Chilly, Camry Make) Including cutting hole in stone, including grouting's, 125/100 mm dia. Weight not less than 100grams.	Each	22.00		
15.	Providing and fixing 20mm dia Concealed Valves as per IS standard (with unions etc all complete as per the directions of the Architect/ Bank's Engineer.	Each	8.00		
16.	Providing and fixing LED Bathroom Mirror with Touch sensor Light, Wall Mount, 3 Light Effects, Glass, Rectangular, (min. size 36"X48") (complete as per the direction of Architect-in-charge)	Nos.	2.00		
17.	Providing and fixing Toilet Mirror on wall with 8mm thick clear glass mirror with bevelled edge fixed over 6mm water proof ply finished in aluminium profile with Golden finish (complete as per the direction of Architect-in-charge)	Sqm	8.81		
18.	Providing and fixing C.P. brass robe hook (Cat. No. AQN-7791) of Jaquar/ approved make with SS screws etc. all complete as per directions of Architect/ Bank's Engineer.	Each	5.00		
19.	Providing & fixing stainless steel bottle trap. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.	Each	10.00		
20.	Providing and fixing Stainless Steel Kitchen Sink (JAYNA/ NIRALI) 450 mm X 600 mm (minimum) with C.I. brackets, waste jali, down take pipe including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc. all complete as per the directions of Architect/ Bank's Engineer.	Nos.	1.00		
TOTAL AMOUNT FOR CIVIL WORKS					


BOQ FOR ELECTRICAL WORKS					
S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
	SCHEDULE - 'C' (ELECTRICAL WORKS)				
	General Notes:				
1.0	MCCB:				
1.0	MCCBs shall be used with Thermal Magnetic Based releases upto 250A and microprocessor based Over Load, Short Circuit / Earth Fault release.				
2.0	Breaking capacity mentioned is lcs value.				
3.0	This BOQ to be read in conjunction with technical specifications and Single Line Diagram (attached for reference). If any discrepancy occurs that should be brought to the notice of Client/Consultant before quoting the price otherwise stringent condition will be deemed to have been considered.				
4.0	All MCCBs shall be provided with rotary operating handle and ON/OFF				
5.0	All meters shall be digital type (unless otherwise specified) with RS 485				
6.0	All Incoming and outgoing breaker must have provision of Potential free contacts for BMS/FAS.				
7.0	All MCBs shall be motor duty type.				
8.0	All current/voltage transformer shall be cast resin type.				
9.0	All indicating lamps shall be LED type.				
10.0	Current density for Al. bus bars shall not be more than 0.8A/Sqmm. Rating of Bus bar is after considering all derating factors. (Bus bar sizing calculation to be				
11.0	All internal control wiring shall be heat resistant type.				
12.0	All TP feeders shall be provided with Isolable neutral link.				
13.0	Bus bar chamber & cable entry both shall be provided at top only.				
14.0	All feeders shall be provided with door interlocked with door defeat, pad lock facility.				
15.0	Live parts shall not be accessible after opening the door, Transparent acrylic sheet to be provided to cover the same.				
16.0	Spare contacts of MCCBs / Relay / Contactor shall be wired upto terminal				
17.0	20% spare control terminal to be provided.				
18.0	All incoming/outgoing cables shall be terminated on links/terminals.				
A)	MV PANEL				
1	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				
	Type of Approval as instructed by the PSB/ Architect). 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 Architect / PSB				
a.	Floor panel shall consists of : -				
	INCOMER				
	1no. 250 Amp 4P On Load Changeover switch with 1 no. of 250 A TPN MCCB (25KA) with extendable rotary handle each				
	BUSBARS				

	160 amps TPN 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.				
	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 100/5A 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 100/5 ratio, 10 VA Class 5P 10 (Numeric Relay not required)				
	Undervoltage, Overvoltage relay for persisted voltage of 105-180% & 20-95% of rated voltage and phase reversal relay (Numeric Relay not required)				
	OUTGOINGS:-				
	2 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars (For Signage).				
	5 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For UPS Incomer, Power DB, Spare)				
	3 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (Light DB, Basement)				
	2 Nos 63 A 4 pole MCCB (16 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For AC DB)				
	4 Pole ELCB/RCCB 100 M Amp , 1 Nos of Siemems/ L&T/Sneider Including all accessories neutral links etc all complete including dressing	Nos	2		
	The electrical panel as described above and specifications complete.				
B)	CONTROL & DISTRIBUTION PANEL				
	Providing and fixing 3 no. 300Amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of Bakelite sheet of thickness not less than 6mm etc. complete as reqd.	Nos	2		
C)	MV CABLES				
1	Supplying, Laying, testing & commissioning of the following sizes of XLPE Al. Conductor armoured cables of 1.1KV grade on the surface of wall or on existing cable trays complete with hangers, properclamps fixing hardware etc. as required				
a)	4 C x 50 Sq. mm Al. Cable	R/mt	80		
b)	4 C x 35 Sq. mm Al. Cable	R/mt	114		
c)	4 C x 16 Sq. mm Al. Cable	R/mt	105		
d)	4 x 10 sqmm Copper Wire with 50 mm conduit	R/mt	88		
e)	4 x 6 sqmm Copper Wire with 25 mm conduit	R/mt	95		
2	Suppling, making, testing & commissioning of end termination with brass mettalic double compression glands suitable for the following sizes of XLPE Al. conductor armoured cables including proper sizes of copper thimbles etc. as required.				
a)	4 C x 50 Sq. mm Al. Cable	Nos	8		
b)	4 C x 35 Sq. mm Al. Cable	Nos	8		
c)	4 C x 16 Sq. mm Al. Cable	Nos	8		
d)	4 x 10 sqmm Copper Wire	Nos	8		
e)	4 x 6 sqmm Copper Wire	Nos	8		
D)	DISTRIBUTION BOARDS				
	Supplying, installation, testing & commissioning of following type wall mounted Horizontal TPN/SPN distribution board of double door type design made out of 16 gauge MS sheet with supplying and fixing following accessories including painting, interconnections, painting, earthing and labeling etc. as required.				
1.0	6 WAY TPN DB (PDB)				
	Incoming				

a)	63Amp TPN MCB (10KA) - 1 No				
b)	63Amp 2P RCCB (30mA) -1 Nos				
	Busbars				
c)	100 Amp TPN copper busbars - 1 Set				
	Outgoing				
d)	10/16/20/25 Amp SP MCB (10KA) - 14 Nos	Set	3.0		
	Neutral links - 3 Nos (Separate for each phase)				
2.0	6 WAY TPN DB (LDB)				
	Incoming				
a)	40Amp TPN MCB (10KA) - 1 No				
b)	40Amp 2P RCCB (30mA) - 1 Nos				
	Busbars				
c)	100 Amp TPN copper busbars - 1 Set				
	Outgoing				
d)	10/16/20/25 Amp SP MCB (10KA) - 14 Nos	Set	3.0		
	Neutral links - 3 Nos (Separate for each phase)				
3.0	4 WAY TPN DB (UPS)				
	Incoming				
a)	40Amp TPN MCB (10KA) - 1 No				
b)	40Amp 2P RCCB (30mA) - 1 Nos				
	Busbars				
c)	100 Amp TPN copper busbars - 1 Set				
	Outgoing				
d)	10/16/20/25 Amp SP MCB (10KA) - 12 Nos				
	Neutral links - 3 Nos (Separate for each phase)	Set	3.0		
	(Separate for each phase)				
4.0	12 WAY DB BOX FOR LIGHT - ATM				
a)	63Amp TPN MCB (10KA) - 1 No	Set	3.0		
b)	16/32 Amp SP MCB (10KA) - 8 Nos				
5.0	40 Amp. 2 P ,25ka MCB with Box for UPS	Set	10.0		
E)	POINT WIRING				
1.0	Wiring for switch controlled Light Point with 3 x 1.5 Sq. mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in PVC surface/recessed conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and costing circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS Multistrand copper conductor wires, inPVC conduit complete as per specifications and as required.				
i)	Primary Point	Points	100		
ii)	Secondary Point	Points	145		
2.0	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	7		
3.0	Wiring for 5 pin 6 A Light plug point with 3 x 1.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required.	Points	34		
4.0	Wiring for 3 nos. 5 pin 6 A Light plug point controled by 6 A Switch with 3 x 2.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3nos.5 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required.	Points	102		

5.0	Wiring for following. 6 pin 6/16 A Power plug point controlled by 1 No. 16A Switch with 3 x 4.0 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in recessed/surfacePVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 6 pin 16 A socket outlet controlled by 1 No. 16 A switch in zinc chromate passivated MS box, complete as per specification and as required	Points	84		
6.0	Wiring for ceiling/wall fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed, PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch & 300W electronic regulator with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, inPVC conduit complete as per specifications and as required.	Points	51		
7.0	Wiring for exhaust fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, inPVC conduit complete as per specifications and as required.	Points	12		
8.0	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 2 Nos. AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB - one to be provided near indoor unit and second near DB. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	8.00		
(b)	Same as serial no.1, but wiring for A/C socket by using 2*4/6 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 of weather proof type 2 way SPN DB complete in all respects controlled by with 40 Amp (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit. Item to also include termination lid between MCB and outdoor unit.	Nos.	16.00		
F)	LAN & TELEPHONE SYSTEM				
1.0	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.	81.00		
2.0	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 50 pair krone tag block with enclosure.	Nos.	3.00		
b)	P/L 20 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtrs.	68.00		
3.0	Supplying, laying, testing and commissioning of Panasonic/IntelliSYS IP ready PBX system Equipped with Power Adaptor	Nos.	1.00		
	4 CO with Caller ID				
	30 Channel SIP Trunk * (In-Built)				

	82 IP Extensions Licenses *(In-Built)				
	40 ANALOG EXTENSIONS with Caller ID				
	DSP Card built-in for IP functioning (In-Built)				
	4 CH IVR				
	Customised Music on Hold				
	2CH Call Recording				
4.0	2-sip acc.,2.8" TFT GrayScale display,2 RJ45- 10/100. ports,4 Context Keys,2 smart keys,Sensor based Hook Switch,Open VPN Entry Level IP Phone	Nos.	2.00		
5.0	7 SIP ,2.7" TFT Color Display,32 self labelling Function keys IP Phone for Executive Level	Nos.	1.00		
6.0	Panasonic Basic Phone with Caller ID & Speaker Existing Basic Analog Phone can be used	Nos.	34.00		
G)	COMPUTER DATA NETWORKING				
1.0	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 to the point.	Nos.	170.00		
2.0	Supplying and fixing 16 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	4.00		
3.0	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	7.00		
4.0	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	170.00		
5.0	Supplying and fixing Patch Cord-1 Meter-	Nos.	170.00		
H)	SUPPLY & INSTALLATION FANS FIXTURES & LIGHTS				
1.0	Supply & installation , testing & commissioning of wall Mounted Fan (Metal Body) 500mm Sweep.complete with all accessories such as blades, canopy etc.Connection with 3 x 1.5 sq mm FRLS PVC insulated multistranded copper conductor wires from the socket outlet to the fan earthing etc. complete as required.(Wall Mounted Fans Bracket fans sweep 500 mm)	Nos.	48.00		
2.0	Supply, installation and fixing of 70W Ceiling fan with sweep 1200mm/600mm CG make with all connections and anchor fasteners, fan hooks, down rods etc as required as per drawing.	Nos.	2.00		
3.0	Supply & installation, testing & commissioning of 12/9" Exhaust fans on existing opening in wall including all fixing hardware, louvers, shutters etc. Connection with 3 x 1.5 Sqmm FRLS PVC insulated multistranded copper conductor wire from the socket outlet to the fan earthing etc. complete as required.	Nos.	10.00		
4.0	Supply and Installation of unpacking, assembling, testing, & commissioning of All type of Recessed / Surface mounted Lighting Fixtures (as approved by client/architect) including all fixing hardwares complete as required S/F of 600 x 600 LED recessed mounted (LED 36 Watt 6500 K in false ceiling)	Nos.	63.00		
5.0	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by PSB/ Architect.	Nos.	172.00		
6.0	Supplying, fixing, testing and commissioning of 20 W LED T 8 (4'-0") fitting make As specified in tender document or approved by PSB/ Architect.(LED tube Light 20 watt)	Nos.	16.00		
7.0	Supplying, fixing, testing and commissioning of 10 W LED T 8 (2'-0") fitting make As specified in tender document or approved by PSB/Architect.	Nos.	5.00		
8.0	Supplying, fixing, testing and commissioning of 5 W LED T 8 (1'-0") fitting make As specified in tender document or approved by PSB/ Architect.	Nos.	5.00		

9.0	SITC -Ceiling Profile Lighth Type TruGroove, Installation/mounting type Recessed, Color Temperature Tc (K) 3000 / 3500 / 4000 Housing (Material And Finish) Extruded aluminum trim and die-cast endplates, System Wattage 20W, Classifications (IP/IK) IP20, Cover (Glass/ PC) Poly carbonate, Electrical Class II, LED Lamps 240Nos/Mtr (LM26) 5 mtr roll with LED Driver lumens (Make IP Mac, Sanspa, Helius,)	Rmt	49.50		
10.0	Linear recess / Surface mounted light LED Luminaire - 25W, 1200mm(L) X 38mm(W)X 66mm(H) with White powder coated finish CRCA housing with extruded aluminium lip. High efficiency LEDs with long life. Special translucent satin finish virgin PMMA diffuser, Luminaire system wattage. Complete assembly with LED, Driver and accessories pre wired upto terminal block. Wattage should be inclusive of LED and Driver losses. Lumen output should be as per LM 79 100 lm/watt. (as approved by client/architect) including all fixing hardwares complete as required	Each	20		
11.0	1 x 32 watts LED suspended light wipro cat no. Lineos 6ft 32 W , White/Black or equivalent with suspension -Lineos suitable for installation on RCC ceiling (SET)(WVX861). complete in all respect 	Each	5		
12.0	Circle Ring Light: (35W-40W) 600 Diameter Bring in an element of innovation and design with Orbit rings of light in hall space White powder coated finish CRCA housing with extruded Aluminum lip. High efficiency LEDs with long life. Special translucent satin finish virgin PMMA diffuser, Luminaire system wattage. Specially designed driver. Wattage should be inclusive of LED and Driver losses. Model No- Orbit Ring LM23OR (LM23OR-621-xx57-XW)	Nos	7		
13.0	Magnetic Track Lights Linear Spotlight Adjustable Black Body 10 watt with 10 LED	Nos.	4.00		
14.0	PHILIPS 10-watt Ceiling Spot Black Track Light Indoor Ceiling Focus Light with Flexible Rotatable Head	Nos.	4.00		
15.0	Decorative, Customised, LED Pendant Light fixture as per Architect/ client approval (Basic cost Rs18000)	Nos.	1.00		
16.0	Supply & Installation, storing, unpacking, assembling, Installation, testing, & commissioning of LED STRIP Light (as approved by client/architect) including all fixing hardwares complete as required (LED strip In Cove light with Driver)	Rmt	102.00		
F. EARTHING SYSTEM					
1	Earthing with copper plate electrode 600x600x3mm including accessories & providing masonry enclosure with MS cover plate having locking arrangement, watering pipe and excavation in soil 6 MTRS minimum, including salt and charcoalas required including P&F 8 Guaze SWG copper wire in recessor surface for earthing as per design & detail complete. Including Supplying, laying & terminating earth connection with 8 SWG Copper wire.	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	2.00		
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 with using of copper lug at end termination	RM	132.00		
G. FIRE FIGHTING WORK FOR BRANCH					

1	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM). The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories. The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.				
	Two Loop Panel	Nos.	1.0		
2	Point wiring for Smoke detectors, Respose Indicators, Heat detectors etc. by providing and fixing in position 2C x 1.5 sq mm Armoured cable with all accessories etc. for Fire Alarm System all complete as per PSB/ Architect. Note: Item to include the termination of end/ last points at the Main Fire panel. Nothing extra shall be paid in this regard.	Rmt	542.0		
3	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector with mounting base complete as required as per technical specification etc. all complete as per PSB/ Architect	Nos.	40.0		
4	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor with base as required as per technical specification etc. all complete as per PSB/ Architect.	Nos.	4.0		
5	Supplying, installation, testing & commissioning of addressable horn cum strobe as required as per technical specification etc. All complete as per PSB/ Architect.	Nos.	5.0		
6	Supplying, installation, testing & commissioning of addressable manual call point as required as per technical specification etc. all complete as per PSB/ Architect.	Nos.	5.0		
8	Supplying, installation, testing & commissioning of fault isolator complete with base as required as per technical specification etc. all complete as per PSB/ Architect.	Nos.	7.0		
9	Supplying, installation, testing & commissioning of addressable fire Control Module/ Monitor module/ Relay module as required as per technical specification etc. all complete as per PSB/ Architect.	Nos.	3.0		
10	Providing and fixing panic switch for emergency alarm all complete as per PSB/ Architect.	Nos.	6.0		
H.	CCTV SYSTEM				
1	Wiring for CCTV from DVR to CCTV with Cat-6 cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including RJ 45 outlet, accessories etc. all complete. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length from the DVR to the point.	Rmt	938.0		
I.	PUBLIC ADDRESS SYSTEM				
1	Point wiring for speakers in 1.5 sq mm twin core shelded type of speaker cable with Providing and fixing in position the following FRLS PVC conduits 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.	Nos.	18.0		
2	Supply, installation, testing and commissioning of following Philips (BOSCH) make Music Accessories/ Equipments.				
a.	Ceiling Speaker Unit 6 Watts	Nos.	18.00		
b.	Power Amplifier, Bosch Plena PLE-1ME240-3IN, 240W Compact Mixer Amplifier with USB/Bluetooth Range as approved by the Bank capable of taking Inputs from USB Also.	Nos.	1.00		
J.	SMART TV				

	Supply and Fix Full HD LED Smart TV Make : LG/Sony/Samsung, with following features :- 55" inch LED Display , Sound Output 20 Watt, Refresh Rate 60 Hz, Operating System Web OS, HDMI Port2, USB Port 1, Built in Wifi, Bluetooth Support Along with Remote Control and Accessories required for its Efficient Operation.	Nos.	1.00		
K.	TEMPORARY SHIFTING & DISMANTLING				
1	Making temporary connections to enable functioning of workstations in premises (approximately 45 Nos.) and providing Electrical, data, telephone and UPS points to the workstations so as to clear/ vacate the area under renovation and to enable smooth functioning of the office during renovation. Item to include making provision for lighting up the temporary working space for office usage by using light fixtures dismantled from the area under renovation all complete as per the instructions of Bank's Engineer/ Architect. Item to include supplying all wires, cables, conduits etc. for the same. Nothing extra shall be payable in this regard.	Job	1.00		
	TOTAL FOR ELECTRICAL WORK (C)				
	* GST EXTRA AS APPLICABLE				

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
D.	AIR-CONDITIONING WORKS				
	SPLIT/ CASSETTE TYPE AIR CONDITIONERS				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/ O-General/ Voltas/ Bluestar/ Carrier) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (All coils – copper only) , fan and fan motor, machine control panel improved Refrigerant Joints, Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R32/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer. Item to include powder coated outdoor stands as per the manufacturer specifications. (Rates to be inclusive of copper refrigerent pipe with insulation up to 3M for each split AC unit).				
a	1.0 TR wall mounted split unit (inverter type 5 star rating) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		
b	1.5 TR wall mounted split unit (inverter type 5 star rating) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		
c	1.5 T Cassette AC Ceiling suspended Cassette (inverter type minimum 5 star rating) with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		
d.	2.0 T Cassette AC Ceiling suspended Cassette (inverter type minimum 5 star rating) with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer.	Nos.	18.00		
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0/ 1.5/ 2.0 TR Split type AC and 2.0 TR/ 3.0 TR Cassette AC - From Indoor to Outdoor Units (make as approved by Architect/ Bank)				
a	For 1.0/ 1.5 TR/ TR Split AC as specified by the manufacturer	Mtr.	76.00		
b	For 2.0/2.5 TR Cassette as specified by the manufacturer	Mtr.	326.00		
3	DRAIN PIPING				

	Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer (make as approved by Architect/ Bank).				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	41.00		
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	158.00		
4	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with openable shutter made of MS welded mesh (heavy duty) placed and welded as required with minimum 25 X 25 X 3 mm MS angle/ 25 X 3 mm flat all- round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps, lock and other accessories etc. all complete as per approval and instructions of the Architect/ employer.				
a	For 1.0/ 1.5/ 2.0 TR Hi Wall split units	Nos.	4.00		
b	For 2.0 TR ceiling mounted cassette unit	Nos.	19.00		
5	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0/ 1.5 TR/ 2.0 TR Split type AC (make as approved by Architect/ Bank).	Mtr.	80.00		
6	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 2.0/ 3.0 TR Cassette type AC (make as approved by Architect/ Bank).	Mtr.	358.00		
7	Supplying, installation and commissioning of voltage stablizer of range 170-280 V for Acs (V-guard/ Livguard/ Kirnotics make as approved by Architect/ Bank).				
	4 KVA for 1.0/ 1.5 TR Wall mount	Nos.	4.00		
TOTAL AMOUNT FOR AIR-CONDITIONING WORKS					