

<u>Interior & Furnishing Work of Branch at Guar Chowk, Greater Noida</u>					
A	Interior & Furnishing Works				
S. No	Description	Unit	Qty.	Rate	Amount
I.	<u>PARTITIONS AND PANELLING:-</u>				
1(i).	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 GI Box Sections (1.6 mm) with 12 mm thick Fire retardant plywood on both sides finished with 1 mm thick laminate '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 boxes, conduiting, door/ glazing as per drawings.	Sqm	23.00		
	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.				
2.	Low Height Partition: Providing and fixing in position solid Low Height partition upto height of 2250 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 12 mm thick fire retardant plywood on both sides finished and top with 1 mm thick '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/ Hafele/ Dorma. 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.	Sqm	26.00		

	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. c) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.				
3 (i)	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 GI Box Sections (1.6 mm) with 12 mm thick fire retardant plywood finished with 1 mm thick laminate '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	65.00		
	[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, 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 not be measured for payment.				
(ii)	Same as above but panelling to be finished with laquered glass with adhesive of approved brand and manufacture all complete as per the directions of Architect/ Engineer-in-charge.	Sqm	2.00		
(iii)	Same as above but panelling to be finished with Digitally Printed 10 mm thick extra clear glass. The design theme shall be approved by Architect/ Bank's Engineer. (Note:- Nothing Extra shall be payable as designing charges).	Sqm	5.00		
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/ Haffele/ 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/ Haffele/ Dorma all complete as per the directions of Architect/ Engineer-in-charge.				
a	Fixed Glazing	Sqm	24.00		
b	Openable door	Sqm	4.00		
II.	<u>STORAGE:-</u>				

5 i)	Providing and fixing low height storage (upto 1200 mm high) and 450 mm deep as shown in details/ drawing with all sides, shelves to be 19 mm fire retardant blockboard with 12 mm thick fire retardant plywood to be fixed at the back. The top shall be finished with 1 mm thick laminate over 19 mm thick fire retardant blockboard all complete. The shutters to be 19 mm thick fire retardant blockboard with 1 mm thick laminate 'UGM' Frosty White/ Teak finished laminate as/ approval of approved make on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces. The sides/ bottom of the drawer shall be made out of 12 mm thick fire retardant plywood 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/ telescopic hinges of Hettich/ Hafele etc. Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.	Sqm	10.00		
	The item shall include melamine polishing to the teakwood surfaces to match with specified laminate and outside surfaces to be finished in laminate and providing of 8 mm thick clear toughened glass with bevelled edges at the top of storage 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 size 900 mm X 750 mm and having minimum two drawers as/ drawings.	Nos.	1.00		
6 i)	Providing and fixing Full height storage (Upto 2100 mm high) and 450 mm deep as shown in details/ drawing with all sides, shelves to be 19 mm thick fire retardant blockboard with 6 mm thick commercial plywood to be fixed at the back. The shutters to be 19 mm thick fire retardant blockboard with 1 mm thick laminate 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent shade in approved make on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces. The sides/ bottom of the drawer shall be made out of 12 mm thick commercial plyboard. All edges/ shutters to be finished with 0.8 mm thick PVC Edge banding. all complete including S.S. long handles, self closing hinges/ telescopic hinges of Hettich/ Hafele/ Ebco etc.	Sqm	13.00		
	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)	Providing, fabricating and fixing in position as per layout plan overhead cabinets (400 mm deep). The specifications for the framework/ carcass and shutters of the cabinets are same as given for the cabinets above [Front visible surface area of the cabinets shall be measured for payment].	Sqm	1.00		

6(iii)	Same as above but for under counter and 600 mm deep.	Sqm	2.00		
III. <u>DOORS :-</u>					
7.i)	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/ Bleached Teak of make Sunmica/ equivalent 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 include 2 coat of Fire retardant paint Viper of navair/ approved equivalent	Sqm	4.00		
(ii)	Same as above but flush doors to be supplied by Bank/ Existing Doors.	Sqm	7.00		
8	Solid Flush door with vision panel: 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 Sunmica/ 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 and 2 coat of Fire retardant paint Viper of navair/ approved equivalent	Sqm	2.00		
9	Electrical Panel Cabinet with louvres door: Providing and fixing 19 mm thick blockboard shutter finished in 1 mm thick laminate on both sides of approved shade 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent 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 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.(front facia to be mesured for payment) and 2 coat of Fire retardant paint Viper of navair/ approved equivalent	Sqm	6.00		
IV. <u>CEILING AND FINISHING WORKS:-</u>					

10(i)	Providing and fixing at all height false ceiling and making covers 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 India Gypsum/ approved make for both framework and the board.	Sqm	70.00		
	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.				
11	Providing and fixing False Ceiling with Mineral Fibre Acoustic Ceiling Tiles of Armstrong/ USG/ Boral with MICROLOOK edges and having noise reduction properties laid on exposed grid system with 15 mm wide Silhouette 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 Dune Premier 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	19.00		
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	109.00		

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	24.00		
14	Wall 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.	Sqm	85.00		
V. COUNTERS AND TABLES:-					
	Providing and fixing in position Cash Counter/ Officer Table of size 1500 x 750 mm with drawer unit and toughened glass as per drawing by using 19 mm thick blockboard for top and 19 mm thick blockboard for all other horizontal and vertical members finished with 1 mm thk. laminate 'UGM' Frosty White/ Teak finished laminate as/ approval of approved make on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces . Telescopic CPU Stand/ ready made Keyboard tray shall be provided of approved model and make. Drawer units as per drawing shall be provided with multipurpose Godrej locks in each drawer. Facia of drawer unit shall be finished with 1 mm thick laminate 'UGM' Frosty White/ Teak finished laminate as/ approval of approved make on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces. The drawers will be provided with handles (SS finish) and channels as per approval. Footrest made with T.W. member of size 1200 x 40 mm to be provided and finished with french polish. All edges of table top & ply verticals to have finished with 0.8 mm thk. PVC Edge banding. Item to include plywood boxing, all necessary hardware and fittings in SS finish, lipping to all edges etc. all complete as per direction of Architec / Bank's Engineer.	Nos.	2.00		
17a)	Providing and fixing in position Officer's table 1200 X 700 mm wide with 1 mm thick laminate 'UGM' Frosty White/ Bleached Teak of make Formica/ equivalent shade in approved make comprising of the following complete in all respects (REFER DRAWING):	Nos.	2.00		
i)	Work top to be made with 19 mm thick fire retardant blockboard and finished with 1 mm thick laminate. 8 mm thick clear toghened glass with bevelled edges to be provided on top. Inside facia of the blockboard shall be finished with 1 mm thick laminate and edges shall be finished with teak wood patti finished in melamine polish all complete as per Architect.				

ii)	Vertical facia (apron) to be made with 19 mm thick fire retardant blockboard 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 19 mm thick blockboard finished with 1 mm thick laminate on all sides all complete as per Architect.				
iv)	Vertical supports made with 19 mm thick fire retardant blockboard 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)	Boxing as per drawing made with 12 mm thick plywood 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, 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.]				
(viii)	The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table.				
18	Providing and fixing in position Branch Manager office table 1800 X 750 mm wide with 1 mm thick laminate 'UGM' Frosty White/ Teak finished laminate as/approval of approved make comprising of the following complete in all respects:	Nos.	1.00		
i)	Work top to be made with 19 mm thick blockboard and finished with 1 mm thick laminate. 8 mm thick clear toughened glass with bevelled edges to be provided on top. Inside edge of the blockboard shall be provided with 0.8 mm thick PVC edge banding.				
ii)	Vertical facia (apron) made with 19 mm thick blockboard finished with 1 mm thick laminate 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 19 mm thick blockboard finished with 1 mm thick laminate on all sides all complete as per Architect.				
iv)	Vertical supports made with 19 mm thick blockboard finished with 1 mm thick laminate as per Architect.				
v)	Telescopic CPU stand and readymade keyboard tray shall be provided of approved model and make.				

vi)	Boxing as per drawing made with 12 mm thick plywood 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, 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.				
(viii)	The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table.				
16	Providing and placing Discussion table of size 900 mm diameter and 750 mm high made of 19 mm thick blockboard and finished with 1 mm thick laminate 'UGM' Frosty White/ 'E-1761' Bleached Teak of make Formica/ equivalent shade on all exposed surfaces all complete as per drawings.	Nos.	1.00		
19a)	Providing and placing Writing Ledge of size 1500 X 300 mm in green banking zone made of 19 mm thick fire retardant blockboard and finished with 1 mm thick laminate 'UGM' Electric Blue/ 'UGM' Frosty White/ 'E-1761' Bleached Teak of make Sunmica/ equivalent shade in approved make on all exposed 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. Writing table to be provided with 50 X 50 mm SS footrest fixed with 20 dia. SS bar and screwed to blockboard all complete as per Architect/ Engineer-in-charge. Item to include cheque drop box (made of 19 mm thk. Blockboard) below as /drawing all complete as per Architect/ Engineer-in-charge.	Nos.	1.00		
	VII. MISCELLANEOUS:-				
23	Providing and placing planter of size 400 X 400 X 400 made with 19 mm thick fire retardant commercial Board 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 artificial Plants (Raphis or Areca Palm) of height +600 mm	Nos.	4.00		

25	Supply & fixing of Aluminium Composite Panel (ACP), 4 mm thick in required colours for exteriors consisting of two layers of aluminium skins of 0.5 mm thick sandwiching a thermo plastic core in continuous lamination process with PVDF coating for exterior grades ensuring long colour and no fungal attacks of make Alukobond/ Eurobond or approved equivalent. Base frame work with aluminium sections shall be fixed over finished plaster and the above aluminium panels shall be fixed to the frame work as cladding including cost of labour, materials, accessories, adhesives, scaffolding, wastages, transportation, taxes, fixing in to a neat finish with FOLDING SYSTEM and without any undulations in facias all complete as per drawing and instruction of Engineer-in-charge.	Sqm	14.00		
9	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		
9	Providing and fixing high quality 3M Glass One Way vision film with printing as/ Bank s(no additional charges would payable for designing) in graphic pattern including labour, wastages etc. all complete as per instructions of Architect/ Bank's Engineer.	Sqm	14.00		
26	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 fire retardant plywood on top 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	12.00		
27	Providing and placing SS perforated dustbin with square holes of Euronics/ approved make (Cat No. AFBR 3FP) of size 8" X 12" all complete as per directions of Engineer-in-charge.	Nos.	7.00		
28	Providing and placing SS perforated pedal bin with inner removable container of Euronics/ approved make (Cat No. AFBP 3FP) of size 8" X 13.5" all complete as per directions of Engineer-in-charge.	Nos.	4.00		
				TOTAL	

B : Electrical BOQ

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
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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 filling 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 points controlled by one 6 amp. Modular switch.	Nos.	23.00		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	27.00		
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/ ceiling/ exhaust fan point with 6 amp 3-pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	11.00		
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.	4.00		
b	Secondary Point looped	Nos.	4.00		
2	POWER POINTS				
	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 st socket and 1 st to 2 nd , 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.	5.00		
b)	Secondary Point	Nos.	5.00		

3(a)	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.	5.00		
3(b)	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 of weather proof type AC box with socket complete in all respects controlled by 25 A MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit.	Nos.	1.00		
4	COMPUTER POINTS				
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)				
	Primary Points	Nos.	3.00		
	Secondary Points	Nos.	6.00		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 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 and sockets under the counter. or as directed by the engineer incharge for the rack supply in PA rack, CCTV b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	3.00		
	Secondary Points	Nos.	3.00		
	B. CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
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 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.	9.00		

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		
2.0	COMPUTER NETWORKING				
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 lenght, from the I/O hub to the point.	Nos.	10.00		
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	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.	8.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	8.00		
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	1.00		
4.0	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	RM	50.00		
C. CABLES, MAINS & SUBMAINS					
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 4 sq.mm. + 1 X 4 sq.mm.	RM	15.00		
ii	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	25.00		
iii	2 X 10 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	RM	20.00		
iv	1 X 10 sq.mm. Cu wire for earthing. (UPS Input/ Output)	RM	20.00		
v	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).	RM	10.00		
vi	Supplying, laying, testing & commissioning of 4 C X 25 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 + AC DB).	RM	20.00		

vii	Supplying, laying, testing & commissioning of 3.5 C x 50 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, Clampsetc. as required as per specification. (Mains)	RM	50.00		
D. DISTRIBUTION BOARD					
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6 mm 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/load.				
	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 within 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	4-way TPN DB (LIGHT DB)	No.	1.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	6 Nos.6/10 Amp (10 KA) SP MCB				
b	4-way TPN DB (Power DB)	No.	1.00		
	Incomer :-				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	Outgoing :-				
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB				
c	4-way TPN DB (AC DB)	No.	1.00		
	Incomer :-				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	Outgoing :-				

	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB				
d	4-way SPN DB with 2 Nos. 40 A (10 KA) DP MCB (For UPS Input)	No.	1.00		
e	(2+8)-way SPN DB (For UPS Sub DB)	No.	1.00		
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	6 Nos.6/10/16/25Amp (10 KA) SP MCB				
f	8 Way SPN DB for E- Lobby complete with lock & Key Arrangement with 40A DP MCB & 32 A DP RCCB (100 mA) and Outgoing as 4 No's of 6/10/16/25/32 A SP MCB as directed by the engineer incharge for E-Lobby AC- 2 No's and Light.	Nos.	1.00		
g	6 Way SPN DB for E- Lobby complete with lock & Key Arrangement with 25 A DP MCB & 25 A DP RCCB (100 mA) and Outgoing as 4 No's of 6/10/16/ SP MCB as directed by the engineer incharge for E-Looby UPS points.	Nos.	1.00		
E (LIGHT FITTINGS & ACCESSORIES)					
	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	LED 18 W tube 4'-0" As specified in tender document or approved by SBIIMS/Architect.	Nos.	4.00		
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	12.00		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	30.00		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation fittings Led strip light (5 mtr.) make as specified in tender document or approved by SBIIMS/Architect.	Nos.	10.00		
v	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a	Wall mounted fans (METAL BODY) 400 mm dia. make As specified in tender document or approved by SBIIMS/Architect.	Nos.	7.00		
b	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	4.00		
F. EARTHING SYSTEM					

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	1.00		
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	25 mm x 3 mm copper strip in B-class GI pipe	RM	10.00		
ii	25 mm x 5 mm GI strip	RM	40.00		
iii	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	50.00		
G. MAIN PANEL AND METER BOARD					
	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "U" 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 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3mm 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 (Should be CPRI Approved, Type of Approval as instructed by the SBIIMS/Architect)				
	as per the following specifications, (Part IV - Sub-station) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				

	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 Ics breaking capacity				
	GA drawings shall be got approved by SBI				
a.	Floor panel shall consists of : -				
	INCOMER				
	1 no. 100 Amp 4P On Load Change over switch with 1 No. 100 Amps, TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault.				
	BUSBARS				
	125 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.	Set	1.00		
b.	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 125/5A ratio, 15 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, 15 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).				
	OUTGOINGS:-				
	2 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Light DB & Spare)				
	3 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars.				
	2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (for AC and Power DB)				
	The electrical panel as described above and specifications complete.	Set	1.00		
H	PUBLIC ADDRESS SYSTEM				

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 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 3 mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit.	RM	35.00		
2	Providing and fixing in position the following G.I. flexible conduits including all accessories				
a.	1.6 mm wall thickness 20 mm dia	RM	4.00		
3	Supply, installation, testing and commissioning of following Philips/BOSCH or equivalent make Music Accessories/ Equipments.				
a.	Ceiling Speaker Unit 6 Watts LHM	Nos.	4.00		
b.	Power Amplifier, 50 Watts with output transformer etc. complete. Plena Range or as approved by the Bank. Capable of taking inputs from USB etc.	Nos.	1.00		
c.	9U Equipment Rack complete with mounting unit, speaker, power supply control etc. President make suitable for 1x70 watts amplifier system With all terminating set up.	Nos.	1.00		
				TOTAL	
C : AIR-CONDITIONING WORKS					
SPLIT TYPE AIR CONDITIONERS					
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/ Carrier/ Voltas) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil – 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 R-22/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe up to 3 Mtr length). Copper only.				
a	1.0 TR wall mounted split unit (Minimum 3-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3.00		
b	1.5 TR wall mounted split unit (Minimum 3-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		
c	2.0 TR Cassette type unit with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer (Three phase).	Nos.	1.00		
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 TR/ 1.5 TR Split type AC and 2.0 TR Cassette AC (From Indoor to outdoor Units) Beyond 3 M.				
a	For 1.0 T Split unit	Mtr.	40.00		
b	For 1.5 T Split unit	Mtr.	15.00		
c	For 2.0 T Cassette Unit	Mtr.	15.00		
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.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	30.00		
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	15.00		
4	Providing and fixing Stabilizer with 3 step relay and input voltage range of 140-280 V and output to be 230 V (Blue bird/ Logic state/ Inline/ V-gourd) (copper winding).				
a	4 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	5.00		
5	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all- round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer.				
a	For 1.0/ 1.5 TR Hi Wall split units	Nos.	5.00		
b	For 2.0 TR ceiling mounted cassette unit	Nos.	1.00		
6	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5 TR Split type AC.	Mtr.	65.00		
7	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 3.0 TR Cassette type AC.	Mtr.	20.00		
8	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	Nos.	1.00		
					TOTAL
Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation, other expenses etc. to site only GST will be paid Extra					