

**INTERIOR FURNISHING, ELECTRICAL & AIR-CONDITIONING WORKS FOR SBI BRANCH
AT KB MART, GREATER NOIDA**

Note:- The rates quoted by the Contractor are inclusive of all duties and taxes of all government, municipal or any other statutory bodies as applicable from time to time except GST which shall be extra. Also, the quoted rates are applicable for works both at day and night (if needed) and shall include **working at all heights (existing height is approx. 13')** and levels as per site condition and all/ any liasoning required with local authority for smooth execution of works. Nothing extra shall be payable in this regard.

S. No.	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
A.	<u>INTERIOR & FURNISHING WORKS</u>				
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 Aluminium Sections (1.5 mm thick) with 12 mm thick MDF on both sides finished with 1 mm thick high gloss laminate of approved make including making 2-3 mm wide grooves in laminate finished with matching colour melamine polish/ sealant filler 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 duco paint 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	7.00		
	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 not be measured here for payment and shall be measured and paid under seprate relevant item. c) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate/ veneer. Nothing extra will be paid in this regard.				

1.2	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 25 mm X 50 mm Aluminium Sections (1.5 mm thick) with 12 mm thick MDF on both sides finished with 1 mm thick high gloss laminate of approved make including making 2-3 mm grooves in laminate finished with matching color polish/ sealant filler as/ Architect. Top of the partition(edge) is finished with 12 mm thick mdf over 4 mm thick base ply finished with Duco paint matching with laminate 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 Duco Paint of matching laminate colour or as directed including all necessary fittings and SS hardware of make Hettich/ Haffele/ Dorma. The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting as per drawings. Item to includes Providing and fixing of Pin up board finshed with fabric color matching with laminate/ as/approval.	Sqm	19.00		
	Note:- a) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered. b) Openings/ door/ glass shall not be measured for payment and shall to measured and paid under seprate relevant item. c) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate/ veneer. Nothing extra will be paid in this regard.				
1.3	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 Aluminium Sections (1.5 mm thick) with 12 mm thick MDF finished with 1 mm thick high gloss laminate of approved make including making 2-3 mm grooves in laminate finished with matching colour melamine polish/ sealant filler 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	127.00		
	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 paneling 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 here and shall be measured and paid under seprate relevant item. d) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate/ veneer. Nothing extra will be paid in this regard.				
1.4	Extra for digitally printed 6 mm thick extra clear glass (instead of laminate) on panelling/ partition. The design theme shall be approved by Architect/ Bank's Engineer. Note:- Nothing extra shall be payable for designing/ image charges.	Sqm	10.00		

1.5	Extra for 4 mm thick laquered glass (instead of laminate) fixed with adhesive of approved brand on panelling/ partition, all complete as per the directions of Architect/ Bank's Engineer.	Sqm	14.00		
1.6	Extra for 4 mm thick Charcoal Panel (instead of laminate) of make Trend/ GLO/ Euro Pratik or approved equivalent make pasted on panelling/ partition with adhesive/ as specified by manufacturer all complete as per the directions of Architect/ Bank's Engineer. (Basic Price* of the sheet is 175/ sqft.) *The basic rate of item shall include cost of supplied item inclusive of cartage, all applicable taxes except GST to be supported by Tax Invoice.	Sqm	8.00		
1.7	Extra for level difference in partition by using suitably required heavy duty 50 mm X 50 mm Aluminium Sections (Level difference upto 200 mm). Note:- Only area where level difference is created shall be measured for payment).	Sqm	5.00		
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/ Hafele/ Dorma) 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/ Hafele/ Dorma all complete as per the directions of Architect/ Bank's Engineer.				
1.8.1	Fixed Glazing	Sqm	76.00		
1.8.2	Openable door	Sqm	8.00		
II. STORAGE:-					
2.1	Providing and fixing low/ full height storage (upto 2400 mm high) and 450 mm deep (overall) as shown in details/ drawing with all sides, Shutters & top to be made with 19 mm thick blockboard (IS :1659) finished with 1 mm thick high gloss laminate of approved make & shade as per list of approved make on all outside surfaces (except back and bottom which shall be painted with enamel paint). Shelves to be made with 19 mm thick blockboard (IS :1659), placed at 300 mm (approx.) C/C and 6 mm thick plywood to be fixed at the back. The sides/ bottom of the drawer shall be made out of minimum 12 mm thick plywood of Marine grade (IS:710), all inside surface to be finished with 0.8 mm laminate as/ approval and all edges to be finished with 0.8 mm thick PVC edge banding all complete including SS long handles, magnetic catchers, locks, self closing hinges of Hettich/ Hafele/Ebco/ Dorma/ Ozone or as per list of approved make. Powder coated Aluminium HANDLES (approx size 6-8" as/approval) of make Inox/ hettich/ hafele to be Used.	Sqm	36.00		
	The item shall include duco painting to the teakwood surfaces 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].				

2.1.1	Same as above but side storage of size 900 mm (L) X 450 mm (B) X 750 mm (H) and having minimum two drawers with telescopic channel of approved make all complete as per drawings.	Nos.	3.00		
2.1.2	Same as above (storage item) but for over head storage with depth of storage as 300 mm.	Sqm	1.00		
2.1.3	Same as above (storage item) but for under counter storage with depth of storage as 600 mm.	Sqm	2.00		
2.1.4	Same as above (storage item) but without shutter	Sqm	2.00		
III.	<u>DOORS :-</u>				
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 high gloss laminate of approved make on both sides with all necessary hardware including SS stopper, mortise lock with handle in SS finish, door closer, SS heavy duty butt hinges etc. of make Dorma/ Hettich/ Hafele all complete as per directions of Architect/ Bank's Engineer.	Sqm	2.00		
3.1.1	Same as above but Door is provided by Bank/ on Existing door	Sqm	8.00		
3.2	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 high gloss laminate of approved make on both sides with all necessary hardware including SS stopper, mortise lock with handle in SS finish, door closer, SS heavy duty butt hinges etc. of make Dorma/ Hettich/ Hafele all complete as per directions of Architect/ Bank's engineer. Item to be include 175 X 1500 mm vision panel (5.5 mm float glass) in door including fixing with beading finished in duco paint matching with laminate colour etc. all complete as per directions of Architect/ Bank's Engineer.	Sqm	3.00		
3.3	Electrical Panel Cabinet Shutter with louvres door (450 mm deep) : Providing and fixing 19 mm thick Blockboard clad with 12 mm thick bison board from the inside and finished in 1 mm thick laminate 'UGM' Frosty White/ Alberta Maple in approved make on front facia and painted with fire retardant paint on the inside with all necessary hardware including SS door handle, lock, Magnetic catheter, self close hinges etc. of make Dorma/ Hettich/ Hafele/ Ozone etc. all complete as per directions of Architect/ Bank. All edges of the shutters to be finished with 0.8 mm thick PVC edge Banding matching with laminate on all sides. The item to include providing SS Jaali (300X100X1.5 mm) in the each shutter.	Sqm	5.00		
IV.	<u>CEILING AND FINISHING WORKS:-</u>				

4.1	Providing and fixing at all height false ceiling and making coves including providing and fixing of framework made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats. The perimeter of ceiling fixed to wall/ partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive-all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and one coat of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of 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. (approximetly 250 sqm. area have Truss structure instead of RCC slab at 4 th floor level)	Sqm	172.00		
	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. [Surface area shall be measured for payment of false ceiling & coves/ patta].				
4.2	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. Note:- 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	13.00		
4.2.1	Same as above but for Metal ceiling tiles (for ATM)	Sqm	7.00		

4.3	Providing and fixing false ceiling base with 12 mm thick MDF board over heavy duty Aluminium framework of 50 X 50 mm section all complete as per the directions of Architect/ Bank's Engineer. The ceiling basework to be finished using 1 mm thick high gloss laminate of approved make over base as above and including making grooves and finishing the grooves in melamine polish etc. [Note:- Contractor to use proper masking tapes while polishing the grooves etc. to prevent any damage to laminate. Nothing extra shall be payable in this regard.] [Surface area shall be measured for payment of false ceiling & coves/ patta].	Sqm	6.00		
4.3.1	Same as above but 12 mm thick MDF board to be finished with 12 mm HDHMR fluted panel (DESIGN CODE: 6104) finished with 2 coats of duco Paint of make GLO or approved equivalent. all complete as per drawing and instructions of Architect/ Bank's Engineer.	Sqm	6.00		
4.4	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	160		
4.5	Providing and applying birla putty of 2-3 mm thickness over plastered surface to prepare the surface even and smooth all complete as per the directions of Architect/ Bank's Engineer.	Sqm	160		
V	COUNTER, TABLE, SOFA & CHAIR				
5.1	Providing and fixing in position Single Window 1500 X 750 mm wide along with side storage 900 X 750 mm with 1 mm thick laminate 'UGM' Frosty White/ Bleached Teak of make Archidlam/ equivalent shade in approved make comprising of the following complete in all respects (REFER DRAWING):	Nos.	4.00		
(i)	Work top to be made with 6 mm solid acrylic surface pasted over 19 mm thick blockboard including polishing, edge moulding etc. all complete. Inside portion of the blockboard shall be finished with 0.8 mm thick laminate all complete as per Architect.				
(ii)	Horizontal drop box (apron) to be made with 19 mm thick blockboard and finished with 6 mm solid acrylic surface including polishing, edge moulding etc. all complete on all exposed facia as per Architect (height is approx 400 mm)				
(iii)	Horizontal facia shall be finished with Blue laquered glass (as/ approval) pasted with adhesive etc. as required all complete as per the directions of Architect/ Bank's Engineer. (height = 400 mm)				
(iv)	Vertical supports made with 19 mm thick blockboard finished with 1 mm thick laminate on all exposed facia as per Architect.				
(v)	Telescopic CPU stand/ CPU trolley with lockable wheels and readymade MS/ wooden keyboard tray shall be provided of approved model and make.				

(vi)	Providing and fixing low height side storage (750 mm high) and 450 mm deep as shown in details/ drawing with all sides, shelves, drawer facia etc. to be 19 mm blockboard with 6 mm thick commercial plywood to be fixed at the back. The shutters to be 19 mm thick blockboard with 1 mm laminate on all exposed outside surfaces and 0.8 mm thick laminate on all the inside surfaces. All 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/ Haffele and Godrej multi-pupose locks etc. Inside surfaces to be finished with laminate all complete to the satisfaction of Architect/ Engineer-in-charge. The top shall be finished with 6 mm solid acrylic surface pasted over 19 mm thick blockboard including polishing, edge moulding etc. all complete .				
(vii)	The item to include all necessary hardware and fittings in SS finish, providing SS finish 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 and Footrest 75x50mm made of 2nd class teakwood member to be fixed in table finished with enamel paint.				
5.2	Providing and fixing in position BM Table 1800 X 900 mm finished with 1 mm thick high gloss laminate in approved make comprising of the following complete in all respects (REFER DRAWING):	Nos.	1.00		
i)	Work top to be made with 19 mm thick blockboard (IS :1659) all complete Inside facia of the blockboard shall be finished with 0.8 mm thick laminate. Item to include 8 mm thick clear toughened glass with bevelled edges & cutout for wire manager to be provided on top. Edge of table is made with double board finished with matching 0.8 mm PVC edge banding				
ii)	Vertical facia (apron) to be made with 19 mm thick blockboard (IS :1659) and finished with 1 mm thick high gloss 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 (IS :1659) finished with 1 mm thick laminate on all sides all complete as per Architect.				
iv)	Vertical supports made with 19 mm thick blockboard (IS :1659) finished with 1 mm thick high gloss laminate on all exposed facia as per Architect.				
v)	CPU stand and keyboard tray shall be provided.				
vi)	Boxing as per drawing made with 12 mm thick Plywood (IS :1659) 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, Locks in drawer unit, MATCHING PVC Edge banding to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. All inside edges are finished with 0.7 mm laminate as/approval. Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate. Powder coated Aluminium HANDLES (approx size 6-8" as/approval) of make Inox/ hettich/ hafele to be Used.				
viii)	The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table and Footrest 75x50mm made of 2nd class teakwood member to be fixed in table finished with enamel paint.				
5.3	Providing and fixing in position Officer Table 1400 X 750 mm wide with 1 mm thick laminate 'UGM' Frosty White/ Bleached Teak of make Sunmica/ equivalent 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 blockboard (IS :1659) all complete Inside facia of the blockboard shall be finished with 0.8 mm thick laminate.				
ii)	Vertical facia (apron) to be made with 19 mm thick blockboard (IS :1659) 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 (IS :1659) finished with 1 mm thick laminate on all sides all complete as per Architect's directions.				
iv)	Vertical supports made with 19 mm thick blockboard (IS :1659) finished with 1 mm thick laminate on all exposed facia as per Architect's directions.				
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 (IS :303) finished with synthetic enamel paint shall be provided below the table top for electrical conduiting and at the bottom for the LAN cabling/ telephone wire conduiting.				
vii)	The item to include all necessary hardware and fittings in SS finish, MATCHING PVC Edge banding to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. All inside edges are finished with 0.7 mm laminate as/approval. Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.				
viii)	The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table and Footrest 75x50mm made of 2nd class teakwood member to be fixed in table finished with enamel paint.				

5.4	Providing and fixing in position Grahak Mitra table 2100 X600x1050(h) mm wide (as per design) with 1 mm thick high gloss laminate in approved make comprising of the following complete in all respects (REFER DRAWING):	Nos.	1.00		
(i)	Work top to be made with 19 mm thick blockboard (IS :1659) finished with with 1 mm thick gloss laminate in approved make all complete. Inside portion of the blockboard shall be finished with 1 mm thick laminate and edges shall be finished with matching 0.8 mm PVC edge banding all complete as per Architect. Edge of table is made with double board finished with matching 0.8 mm PVC edge banding				
(ii)	Horizontal drop box (apron) & Horizontal facia to be made with 19 mm thick blockboard (IS :1659) finished with 1 mm thick high gloss laminate. all complete on all exposed facia as per Architect.				
(iii)	Vertical supports made with 19 mm thick blockboard (IS :1659) finished with 4 mm lacquered glass on exposed facia as per Architect.				
(iv)	CPU stand and keyboard tray shall be provided.				
(v)	The item to include all necessary hardware and fittings in SS finish, Locks in drawer unit, MATCHING PVC Edge banding to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. All inside edges are finished with 0.7 mm laminate as/approval. Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate. Aluminium PROFILE HANDLES (as/approval) of make Inox/ hettich/ hafele to be Used instead of handle				
(vi)	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.				
5.5	Providing and placing Center table for customer waiting area of size 900x600 mm made of 19 mm thick blockboard (IS :1659) and finished with 1 mm thick laminate in approved make on all exposed surfaces all complete as per drawings. The table shall have 10 mm thick toughened glass top with 4" high SS spacers and maximum height of table to be 450 mm.all complete as per direction of Architect/Engineer-in-charge.	Nos.	2.00		
5.6	Providing and placing Side table for customer waiting area of size 400 X 400 mm made of 19 mm thick blockboard (IS :1659) and finished with 1 mm thick laminate in approved make on all exposed surfaces all complete as per drawings. The table shall have 10 mm thick toughened glass top with SS spacers and maximum height of table to be 450 mm. all complete as per direction of Architect/Engineer-in-charge.	Nos.	2.00		

5.7	Providing and placing 1500 X 350 mm Writing Ledge with cheque drop box made of 19 mm thick blockboard and finished with 1 mm thick laminate 'UGM' Frosty White/ Yellow/blue make Formica/ 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, all complete as per Architect/ Engineer-in-charge.	Nos.	1.00		
5.8	Providing and placing 600 X 1200 mm Mirror (fixed on 12 mm thk. ply back) for Dressing Table having 65 mm border all around the mirror with 200 mm wide double board shelf made with 19 mm thk. Block board and finished with 1 mm thick laminate 'UGM' Frosty White/ Yellow/blue make Formica/ equivalent shade in approved make on all exposed surfaces all complete as per drawings.	Nos.	1.00		
5.9	Providing and placing 450 mm dia. stool for locker room dressing with PU foam base finished with leatherite & having stainless steel legs, complete as per direction of architect/ Banks engineer.	Nos.	1.00		
5.10	Supply & Installation of High Back Chair with PU Arm, Chrome Plated Metal Frame & Base, Gas Lift, Leatherite Tapestry, Synchro knee tilt and Hard Caster of make Geeken / or approved equivalent. All complete as per approval of Architect/ Engineer-in-charge.	Nos.	1.00		
	Apporoved make : Geeken, Featherlite, Godrej				
5.11	Supply & Installation of Medium Back Chair with PU Arm, Chrome Plated Metal Frame & Base, Gas Lift, Leatherite Tapestry, Synchro knee tilt and Hard Caster of make Geeken / or approved equivalent. All complete as per approval of Architect/ Engineer-in-charge.	Nos.	14.00		
	Apporoved make : Geeken, Featherlite, Godrej				
5.12	Supply & Installation of Visitor Chair, PU Arm, Frame, Pipe Stand, Leatherite Tapestry and wihout Caster of make Geeken / or approved equivalent. All complete as per approval of Architect/ Engineer-in-charge.	Nos.	9.00		
	Apporoved make : Geeken, Featherlite, Godrej				
5.13	Supply & Installation of Sofa 2 Seater with wooden frame, Flap Cushion Arm, Powder Coated Leg, Size in mm - 1515 (L) X 830 (D) X 870 (H) of make Geeken / or approved equivalent. All complete as per approval of Architect/ Engineer-in-charge.	Nos.	3.00		
	Apporoved make : Geeken, Featherlite, Godrej				
VI.	<u>MISCELLANEOUS:-</u>				

6.1	Providing and fixing of 10 mm wide 10 mm thk. laser cut acrylic letters & brand logo. Lettering in acrylic sheet in white color and logo as per our Brand color of required size and shape including fixing with adhesive, all as per approved architectural drawing etc. all complete as per direction of Engineer-in-charge.	per square inch	500.00		
6.2	Providing and fixing high quality polyester based 3M Glass Deco film (laser cut) in graphic pattern including labour, wastages etc. all complete as per instructions of Architect/ Bank's Engineer.	Sqm	25.00		
6.3	Supply and installation of Dorma Kaba Alterra/ Ozone K-Lite or approved equivalent Cabin System for minimal frame, room dividing solutions. The partition shall be single glazed mullion free demountable glass type partition using 12 mm CLT glass in natural anodised/ Black aluminium sections ALT 50 of size 50 mm x 30 mm with concealed sealing (No visible gaskets/ seals) having an acoustical rating of Minimum 32 db with third party test certificate. The glass (paid separately) shall be fitted with the help of stability Gripper clamp to have a stable system. It should consists of intermediate slim junction profiles for Glass to Glass vertical joints, 90 Degree L Junction and T Junction profiles suitably to be used as per room configuration designs. The partition shall have no visible Clip Lines to provide clutter free view on both sides. The glass shall be offset mounted towards outer edge leading to minimum aluminium frame on one side. Item to include optional profile bottom seal pair for additional accoustic if required. Horizontal and vertical stick on profiles to be done for glass segmentation. Glass thickness shall be 12 mm (paid separately) CLT and all profiles shall be minimum 1.5 mm thick. The Profiles will be in EV1/ Black anodized finish with all the necessary clips, gripper clamp, connectors, seals, dormakaba or equivalent hardware and accessories as per direction of Architect/ Bank's Engineer.	Rmt	110.00		
6.4	Providing and fixing in position S.S. name/ sinage plate letters/ figure as per the approved drawing/ text. The letter/ figure will emboss on plate as/ design. The SS plate will be SS 304 grade & 18 guage thick fixed to wall / door with SS bolt as required all complete as per direction of Architect/ Bank's Engineer.	Per sq. inch	150		
6.5	Providing and fixing in position (in wall as well as in ceiling) wooden slats of section '50 mm X 125' mm made with 19 mm thick blockboard finished with 1 mm thick laminate / approved make including grooves as/ Architect, all complete as per direction of Engineer-in-charge/ Architect and drawings.	Rmt.	10.00		

6.6	Supply & fixing of Aluminium Composite Panel (ACP) , 3 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 instructions of Architect / Bank's Engineer .	Sqm	29.00		
6.7	Providing and fixing Brushed Steel finished Night Latch (opening as/ site) of make: Godrej Cat No. 8812 or approved equivalent, all complete as per the directions of Architect/ Bank's Engineer.	Nos.	1.00		
6.8	Supplying & installation of Roller Blinds for windows of polyester based fabrics of Vista/ approved make all complete and inclusive of taxes etc. as per the directions of the Architect.	Sqm	29		
6.9	Providing and fixing EURO PRATEEK ELLITE stainless steel 120 X 6 mm wave shape profile in gold color as/ approval over existing base with adhesive all complete as per the directions of Architect/ Bank's Engineer.	Mtrs.	10.00		
TOTAL OF INTERIOR & FURNISHING WORKS (A)					
S. No.	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
B.	<u>ELECTRICAL WORKS</u>				
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 wall in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	Primary light points controlled by one 6 amp. Modular switch	Nos.	36.00		
ii	Secondary light points controlled by one 6 amp. Modular switch	Nos.	72.00		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1.00		

iv	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level	Nos.	21.00		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	4.00		
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.				
a	Primary	Nos.	6.00		
b	Secondary	Nos.	11.00		
vii	Same as serial No. 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 16 Amp MCB two Nos. for Glow sign Board.				
a	Primary Point	Nos.	2.00		
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). Note: Only 2 points shall be provided in a circuit				
a)	Primary point	Nos.	7.00		
b)	Secondary point	Nos.	7.00		
3(a)	Same as serial no.1, but wiring for A/C socket by using 4*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*6.0 sq.mm. PVC insulated 1100 V grade copper conductor wire and weather proof type 4 way SPN DB complete in all respects controlled by with 32 Amp TPN (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit (includes wires for terminal connection of outdoor unit from TPN) including wiring to the terminals of the outdoor unit from weather proof box. Item to also include termination lid between MCB and outdoor unit.	Nos.	2.00		
3	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.				
	Primary	Nos.	6.00		
	Secondary	Nos.	11.00		

b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 1 Nos. 16 amps 5 pin modular type sockets, 1 Nos. 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 Data Rack, Fire.				
	Primary	Nos.	3.00		
	Secondary	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 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.	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.	40.00		
2	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.	22.00		
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 (One each for data and telephone)	Nos.	1.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	22.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	22.00		
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 6 sq.mm. + 1 X 6 sq.mm. (UPS DB Branch, UPS Input/ Output).	RM	15.0		
ii	2 X 4 sq.mm. + 1 X 4 sq.mm. (UPS DB E-Lobby, E-Lobby DB, E-Lobby UPS Input/ Output).	RM	30.0		
iii	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated aluminium 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, POWER DB, UPS Supply).	RM	60.00		
iv	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminium 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 (V-TPN AC DB).	RM	10.00		
v	Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (for Main Connection).	RM	85.00		
D. DISTRIBUTION BOARD					
	Supplying, installing, testing & commissioning of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland/ knock out plate & with built in loose wire box, 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 with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				

a	4-way TPN DB (LIGHT DB & 6A RAW)	No.	2.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	6 Nos.10/20 Amp (10 KA) SP MCB				
b	4-way TPN DB (16A RAW POWER DB & AC DB)	No.	1.00		
	Incomer:-				
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	6 Nos.10/20 Amp (10 KA) SP MCB				
c	4-way VTPN DB (16A RAW POWER DB & AC DB)	No.	1.00		
	Incomer:-				
	1 No. 63 Amp TPN 4 Pole (16KA) MCCB				
	Outgoing:-				
	2 Nos. 32 Amp (10 KA) TP MCB				
	6 Nos.10/20 Amp (10 KA) SP MCB				
d	8-way SPN DB (For UPS INPUT) with 2 Nos. 63 A TPN MCB as incomer	No.	1.00		
e	2-way SPN DB with 40 A DP MCB (For UPS Input/ output)	No.	4.00		
f	12-way SPN DB (For UPS OUTPUT)	No.	1.00		
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 40 A DP RCCB (100 MA)				
	Outgoing:-				
	8 Nos.6/10/16 Amp (10 KA) SP MCB				
g	6-way SPN DB (For E - Lobby) double door DB with lock & key arrangement	No.	1.00		
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 40 A DP RCCB (100 MA)				
	Outgoing:-				
	2 Nos. 6/10/16 Amp (10 KA) SP MCB				
h	8-way SPN DB (E-Lobby UPS Sub DB) double door DB with lock & key arrangement	No.	1.00		
	Incomer:-				
	1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	4 Nos. 6/10/16 Amp (10 KA) SP MCB				
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 1 Years onsite replacement warranty).				

i	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBI/ Architect.	Nos.	14.00		
ii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBI/ Architect.	Nos.	60.00		
iii	Supplying, fixing, testing and commissioning of 20 W LED T 8 (4'-0") fitting make As specified in tender document or approved by SBI/ Architect.	Nos.	7.00		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation supporting fittings of Led strip light (5 mtr.) make as specified in tender document or approved by SBI/ Architect.	Nos.	22.00		
v	Supplying, fixing, testing and commissioning of Surface mounted LED Profile Light Axeon 30 W (4 ft long) with plain diffuser suitable for continuous/ seamless connection of make Wipro/ as specified in tender document or approved by SBI/ Architect.	Nos.	4.00		
vi	Supplying, fixing, testing and commissioning of Pendant Light including all accessories, hanging arrangements, down rods etc. as specified in tender document or approved by SBI/ Architect (Basic cost: 10000/).	Nos.	1.00		
vii	Wall mounted fans 400/ 450 mm dia. make As specified in tender document or approved by SBI/ Architect (METAL BODY).	Nos.	16.00		
viii	Supply & fixing of 230 mm exhaust fan with louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBI/ 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 0.25 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		
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 earth wire in surface or in recess for loop earthing etc. as required.				
i	Providing and fixing 1 X 10 Sq.mm. 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	180.00		
ii	Providing and fixing G.I. earth link with insulator and 10 nos of nut, bolt, washer, and spring washer for earth wire connecting in UPS room.	Nos.	1.00		

4	Providing and fixing of cable tray GI perforated type cable tray of approved make. The cable tray shall be fixed to ceiling/ wall with suitable size of GI clamp, appropriate dia. threaded rod and C Channel putty/ suitable size of MS angle support painted with 2 coats of paint. Item to include provision of scaffolding etc. as required for works.				
a	150 mm wide and 50 mm high	Mtr	60.00		
G.	MAIN PANEL AND METER BOARD				
1	supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. Metal D.B of reputed make with extendable rotary handle and extended connecting links				
	1 No. 100 Amps, TPN MCCB (25 KA) with standard enclosure as per manufacturer specification or as approved by the architect/Bank's Engineer	Nos.	1.00		
2	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2 mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3 mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc as per specifications as required.main panel board of approved make				
	Type of Approval as instructed by the SBI/ 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/ SBI				
a.	Floor panel shall consists of : -				
	INCOMER				
	1no. 100 Amp 4P On Load Changeover switch with 1 no. of 100 A TPN MCCB (25KA) with extendable rotary handle each				
	BUSBARS				
	125 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)				
	OUTGOINGS:-				
	3 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars (E-Lobby, Sign board)				
	4 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For UPS Incomer DB, Power/ AC DB, Spare)				
	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)				
	2 Nos 63 A 4 pole MCCB (16 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For VTPN AC DB)				
(b)	Supplying, installation, testing & commissioning of 15 KVAR, APFC Panel autooperation and power factor should be nearing unity complete as required including all contactors, relays, indicating units etc. as required at site". Capacitor make: L&T/ ABB/ Siemens/ Neptune				
	8 nos. of capacitor duty contactors				
	1 Nos. 5 KVAR MPP type heavy duty capacitor banks along with 1 Nos. 16A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				
	4 Nos. 2 KVAR MPP type heavy duty capacitor banks along with 2 Nos. 10A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				
	2 Nos. 1 KVAR MPP type heavy duty capacitor banks along with 1 Nos. 10A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				
	The electrical panel as described above and specifications complete.	Set	1.00		
H.	PUBLIC ADDRESS SYSTEM				
1	Point wiring for speakers in 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 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.	6.00		
2	Supply, installation, testing and commissioning of following Philips (BOSCH) make Music Accessories/ Equipments.				
a.	Ceiling Speaker Unit 6 Watts	Nos.	6.00		
b.	Power Amplifier, min 30/ 40 Watts with output transformer etc. complete. Plena Range/ Ahuja or as approved by the Bank capable of taking Inputs from USB Also.	Nos.	1.00		
	TOTAL OF ELECTRICAL WORKS (B)				

S. No.	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
C.	AIR-CONDITIONING WORKS				
	WATER COOLED DUCTABLE/ CASSETTE UNITS -				
1	Supply, Installation, testing and commissioning of Water Cooled Ductable machines. All Ductable units shall be complete with Evaporator cooling coil, DIDW Blower, fan motor, Condensate Drain pan, Tube in Tube type condensor and factory sealed and tested with R410a only. The compressor Rotary/ Scroll shall be high efficiency, hermetically sealed with internal vibration isolation & Internal thermal overload protection. The water cooled condensers shall be tube in tube type, chemically cleanable and made of copper in copper tube. - Treated Cooling water required : 90°F (32°C)Temperature Water at Inlet. - Flow Rate 4 USGPM consider per TR. - Pressure Drop (PSIG)@4 GPM:- 4 PSIG				
	1.0 Tr (Water Cooled Cassette)	Nos.	1.00		
	5.5 Tr	Nos.	1.00		
	9.0 Tr	Nos.	1.00		
2	Supply, installation, testing and commissioning of Mild steel black pipe (IS 3589/ IS 1239) heavy duty 'C' class including cutting, screwing, welding with drop forged steel/ butt welded fittings viz. tees, bends, elbows, flanges, reducers, clamps, hangers etc. including cutting holes and chases in brick or RCC walls/ slabs and making good the same for Fire Fighting/ HVAC pipe lines (Make: Tata/ Jindal/ Prakash/ Surya). Item to include painting with one coat of primer and two or more coats of synthetic enamel paint of approved make and shade all complete.				
a	80 mm dia.	Mtr	20.00		
b	50 mm dia.	Mtr	15.00		
c	40 mm dia.	Mtr	15.00		
d	25 mm dia.	Mtr	15.00		
3	Supplying, fixing, testing and commissioning of butterfly valve of PN 10 rating with bronze/ gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required: (Make: advance/ castle/ sant/ audco/ zoloto).				
a	50 mm dia.	Nos.	2.00		
b	40 mm dia.	Nos.	2.00		
c	25 mm dia.	Nos.	2.00		
4	Providing, installation, testing and commissioning of balancing valve of make advance/ castle/ sant/ audco/ zoloto).	Nos.	3.00		
5	Providing, installation, testing and commissioning of flow switch.	Nos.	2.00		
6	Providing, installation, testing and commissioning of descaling valve of make advance/ castle/ sant/ audco/ zoloto or approved equivalent).	Nos.	6.00		

7	Providing, installation, testing and commissioning of Pressure gauge as specified by the manufacturer.	Nos.	6.00		
8	Providing, installation, testing and commissioning of Thermometer as specified by the manufacturer.	Nos.	6.00		
9	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes or as required with stainless steel flange.	Nos.	6.00		
	CONDENSING DRAIN PIPES				
10	Providing and fixing in position the following size of CPVC pipes, cut in required lengths and joined with CPVC and also providing and fixing in position the necessary "U" trap elbows, tees, and reducer and all types of fittings. The pipe to be insulated by 9mm thick nitrile rubber thermal insulation of class 0 category.				
	32 mm dia pipe (NB)	Mtr.	50.00		
11	DUCTING				
	Supply, installation, balancing and commissioning of fabricated at site Galvanized Iron AC ducting with all fittings such as tee bends, special off-chutes, turning vanes, splitter dampers as required including suspension and supporting arrangement for plenums, ducts all complete as per drawing (only hi-tech supports shall be used).				
a	24 SWG	Sqm	95.00		
b	22 SWG	Sqm	20.00		
12	DUCT ACCOUSTIC LINING				
	Supply, Installation, testing and commissioning of Duct accoustic lining with 25 mm thick fibre glass insulation, covered with perforated aluminium 26 Gauge, sheet nuts, bolts etc. complete as per specification and drawings.	Sqm	20.00		
13	INSULATION				
	Supply, Installation, testing and commissioning of closed cell Crossed linked nitrile rubber thermal insulation on duct (Class I) with tape & adhesive: 9 mm thick complete as required.	Sqm	115.00		
14	GRILLES/ DIFFUSERS				
a	Supplying & fixing of powder coated extruded aluminium Supply Air Grills supply air diffuser etc. with aluminium volume control dampers as per specifications.	Sqm	3.00		
b	Supplying & fixing of powder coated extruded aluminium Return Air Grills, supply air diffuser etc. with louvers but without volume control dampers as per specifications.	Sqm	3.00		

15	Canvas connection.	Nos.	3.00		
	TOTAL OF AIR-CONDITIONING SYSTEM (C)				