

Subject	Proposed Interiors / renovation work of Punjab & Sind Bank, Branch Office at Bank Road, Ambala Cantt., Distt. Ambala (Hry).				
	BOQ				
S.No	ITEM	UNIT	QTY	RATE	AMOUNT
A	INTERIORS / FURNISHING - G.F.				
1	False Ceiling With Steps & Cove. - Gypsum Board Providing and fixing suspended false ceiling (as per specification of MANUFACTURE.) including steps as per design with 12.5 mm tapered edge Gyp-board / 12 mm thick Elephant Gypsum Board to the grid comprising of cold rolled galvanized metal section (GYP STEEL) to the required line and level. The grid consists of a perimeter channel (MF6a of dimensions 20 mm X 27 mm X 37 mm X 3.5 M) fixed round the perimeter to receive and of the ceiling section (MF5) and the outer edges to gyp-board. The intermediate channel (MF7 of dimensions 15 mm X 45 mm X 0.9 mm X 3.6 M) at 1200 mm c/c in the one direction and the ceiling section (MF5 of dimensions 80 mm X 26 mm X 0.5 mm X 3.6 M) at 450 mm c/c in the other direction are connected by a connecting clip (MF9).	Sft.	700.00		
	The grid is suspended with an adjustable strap hanger (MF8) of dimensions 25 mm X 0.5 mm at 1200 mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts / fasteners Nut and bolts are used to connect strap hangers to soffit cleats and for joining ends of channel sections together. The gypsum board layers are screwed to the M/F ceiling sections with gyp-board drywall screws. Jointing and screw spotting are then carried out as per manufacturer's standard recommendations. Perimeter Channels (MF7) to be used around the cut outs for light fittings. A/C ducting etc. The work should be complete as per instructions of Architect or Engineer in charge. The rates should be inclusive of two or more coats of plastic emulsion over a coat of primer to give an even shade.				
	The rate should be inclusive of making opening with frame etc. for electrical / air conditioner, A.C. grills & trap door, Cove for LED strip light / Cop lighting / palmet for lighting etc. if required as per bank instructions & finishing of ceiling in all respect. Steps / Vertical bands / Cove shall be measured in square feet. Payments shall be made only for exposed surfaces & actual measurement at site. The work includes cost and conveyance of materials and labour charges including. All operational charges, tools, lifts and all heights etc.				
2	False Ceiling - Mineral Fibre Providing and fixing false ceiling at all heights, made of 600 mm X 600 mm X 16 mm Armstrong Cortega RH 99, mineral fibre ceiling tiles of type – Fine Fissured, Tegular edge, laid on Armstrong exposed grid systems. The framework comprises of main rubber spaced at 1200 mm c/c, securely fixed to the structural soffit by approved hangers of spacing not more than 1200 mm c/c. Hangers (G.I. wire of 4 mm dia.) to be fixed by approved rawl plugs, level adjusters & screws etc. The last hanger at end of each main runner should not be more than 450 mm from the adjacent wall.	Sft	520.00		
	Flush fitting 1200 mm long Cross T's (with double stitching) to be interlocked between main runners at 600 mm c/c to form 1200 mm X 600 mm modules. Cut cross T's longer than 600 mm to be supported independ-ently. 600 mm X 600 mm modules to be formed by fitting 600 mm long flush fitting cross T's centrally between the 1200 mm Cross T's. The rates shall be inclusive of making opening with frame etc. for electrical / air conditioner & finishing of ceiling in all respect, the work includes provision of trap door if required.				

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3	Full Height Partitions with etching on glasses. - Solid / partialy glazed/ flush door with frame. Providing and fixing full height partitions (solid, glazed & semi glazed with etching) of 2" X 2" kailwood / partal wood frame at 16" c/c both ways and bottom member 4" X 2" for skirting. The frame is fixed rigidly at floor level, roof level (at slab / beam) & walls. 6.0 mm thick commercial ply (approved make) with 1.0 mm thick approved shade laminate shall be fixed on both sides as per design. All wood to be painted in wood preservative of approved ISI quality. Glass 5.0 mm thick and doors with Hinges and hardware's is to be provided as per drawing. Teak wood beading 1 1/2" X 1/2" used for fixing glass is polished to matching laminate shade.	Sft.	525.00		
	The rate includes making provision for cash cabin to side & back partitions required nos. & size cheque transfer stand as per directions is provided. The rate includes making provision for electrical conduits and switch boxes. All job to be done to Architect's satisfaction / as per bank direction. Measurements to be taken upto false ceiling level & Payments shell be made only for exposed surfaces & actual measurement at site, no payment shell be made above false ceiling.				
4	Low Height Partition with etching on glasses (Height +4'-6" / + 5'-0" / +7'-6") Providing and fixing Low Height Partition made of 2" X 2" kail wood frame @ 16" c/c vertically & horizontally. The bottom member shall be kail wood of size 2" X 4". The kail wood frame shall be fixed rigidly at floor level with rawl plugs / wooden lugs. The frame work to be clad with 6 mm thick commercial ply and 1.0 mm thick laminate of approved colour, shade as per pattern on both side's upto 3'0" height and 12 mm thick glass 1'6" high with etching fixed with stainless steel glass holders at bottom and side with top surface free. Teak wood beading shall be provided at all exposed edges which shall be spirit polished of approved shade. All wood to be treated with wood preservatives of approved ISI quality. All the edges of 12 mm glass shall be duly grinded & polished. The rate shall also include for providing groves in laminate	Sft.	50.00		
5	Cash Cabin Partition / SWO Partition with etching on glasses – Front Providing and fixing glass 12.0 mm thick with over cash counter in front partition 4'-0" height upto 7'-0" along with anodized aluminum aperture jalli (if instruct) with 1 1/2" X 1/2" teakwood beading. All exposed wood work edging / lipping & partition edges finished with spirit polishing, complete in all respects. The glass shall have round cut / openingsof size 8" x 6" as per design with grinding complete in all respects.	Sft.	50.00		
6	Cash Cabin Partition – Top Providing and fixing aluminium aperture jalli at cash cabin's top periphery with teakwood beading 50 mm X 100 mm made to shape as per design. Polished to matching laminate shade / spirit polishing as per directions of the Bank.	Sft.	40.00		

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7	Officer's / Staff Table (4'6" / 4'9" / 5'0" x 2'6" x 2'6") Supplying fixing and keeping in position Counter / Table made of 19 mm thk. Commercial block board with 1.0 mm thick laminate on outer visible surfaces; single colour on horizontal surface & two / three colour on vertical surfaces, with 40 mm X 12 mm thick teak wood beading all around, as per drawing. The front of the table top shall be projected 9" / as per drawing, circular shaped design as per bank hand book. Provision for 3" dia. round / 3" square cable manager for computer / electrical cables at appropriate place will be made in the top surface of the table. The wood lipping will be provided on all the edges of the table, including bottom touching the floor and the drawers. The work should be complete as per drawing & satisfaction of the Architect. The cost shall be inclusive of the following.	Rft	29.00		
a	A full depth CPU shelf 15" wide shall be provided at left hand side of counter underneath the working top, at 4" above the floor level and 3" away (horizontally) from vertical end which will be made of 19mm thick commercial board laminated with 1.0 mm thick laminate on top and 3/4" x 1/4" teakwood lipping on two visible sides.				
b	Two lockable drawer running on side mounting drawer slides (channels) of EBCO make & one cupboard with shutter beneath the drawer, made of 19 mm thick commercial block board with 1.0 mm thick laminate on front face, handle / knob and magnetic catcher shall be provided on one side of the table as per layout. The sides of the drawer shall be made of 12 mm thick plywood / 19 mm block board, bottom of 6 mm thick plywood & front of 19 mm thick block board.				
c	A full length foot rest made of hard wood / c.p.teak 3" x 1 1/2" section shall be provided at 4" above floor level. Non-laminated surfaces i.e. inside / leg-space of table, inside of drawer / cupboard shall be painted white and teak wood edges / lipping / beading shall be spirit polished with matching pigment.				
d	All wood work shall be wax/spirit polished over a coat of linseed oil to a smooth and uniform finish of choice colour and shade.				
e	All fittings like brass knobs / Godrej locks to each drawer and cabinet doors, piano hinges, ball catcher stopper etc.				
f	P/F Key board sliding type keyboard tray of size 600 X 270 made out of 19 mm thk commercial board finished with 1.0 mm thk laminate. 25 x 12 mm thk edging shall be fixed all around & keyboard tray fixed on channels of EBCO make, as per manufacturers instructions / specifications.				
g	PVC wire / cable manger				
8	Branch Manager Table (6'0" x 3'0" x 2'6"). Manager table as per Drawing & specifications & all features mention in item above..	Rft.	6.00		
9	8.0 MM thk glass on B.M. table & officers. All the edges of the glass shall be grinded polished including Hole for cable manager.	Sft.	90.00		

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10	Side Credenza Providing & fixing Side credenza (12" to 18" deep) made of 19 mm thick commercial block board and 6 mm thick plywood on back side & 1.0 mm thick laminate on top horizontal surface & vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have two drawer 4" high, horizontally running on side mounting drawer slides (channels) of EBCO make. The remaining part of the credenza will have cupboard with shutters and one shelf. The shutters with handle / knob and magnetic catcher shall be provided beneath the drawers and non-laminated surfaces should be enamel painted white and teak wood edges / lipping / beading shall be spirit polished with matching pigment.				
a	Officer's & Staff side credenzaas per Drawing & specification mention in item above. <div style="text-align: right;">Size</div> -4'0"/3'6"/ 3'0"/ 2'-0" X 1'6" / 1'-3"/1'-0" X 2'-6" (W X D X H)	Sft.	46.00		
11	Cash cabin counter (5'3" / 4'6" X 2'6" X HT. - 2'-6" & 4'-0"). Providing and fixing cash counter 2'-6" wide having working top at + 2'-6" and 15" wide customer top at + 4'-0".as per design and drawings. Counters to be made of 19 mm thick commercial board with 1.0 mm thick laminate on outer visible surfaces; single color on horizontal surface & two / three colors on vertical surfaces, with 38 mm X 12 mm thick teak wood beading all around, as per drawing. Provision for 3" dia. round / 3" square cable manager for computer / electrical cables at appropriate place will be made in the top surface of the counter. Teak wood lipping will be provided on all the remaining edges of the counter, including bottom touching the floor and the drawers.	Rft.	5.00		
	A full depth CPU shelf 15" wide shall be provided at left hand side of counter underneath the working top, at 4" above the floor level and 3" away (horizontally) from vertical end which will be made of 19mm thick commercial board laminated with 1.0 mm thick laminate on top and ¾" x ¼" teakwood lipping on two visible sides. Three lockable drawer (size - 1'-6" X 1'-6" X 6" - 2 Nos., 1'-6" X 1'-6" X 1'-0" - 1 No.) Running on side mounting drawer slides (channels) of EBCO make made of 19 mm thick commercial block board with 1.0 mm thick laminate on front face, handle / knob shall be provided on one side of the table as per layout. The sides of the drawer shall be made of 12 mm thick plywood / 19 mm block board, bottom of 6 mm thick plywood & front of 19 mm thick block board. A full length foot rest made of hard wood 3" x 1½" section shall be provided at 4" above floor level. Non-laminated surfaces i.e. inside / leg-space of table, inside of drawer / cupboard shall be painted white and teak wood edges / lipping / beading shall be spirit polished with matching pigment.				
	The work should be complete as per drawing & satisfaction of Architect No extra payment shall be given for round, front / vertical curves or any design.				

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12	Back / Side Storage Cabinets & Almira for Banking Hall Providing & fixing of back credenza of size 18" to 24" deep & 3'0" high having length approx. 3'-0" or as per site requirements, made of 19 mm thick commercial block board having one shelf to make two compartments with shutter. All the exposed surfaces to have 1.0 mm thick laminate. The inner surfaces of cabinet shall be enamel painted white. All the exposed edges of board shall be provided with teak wood lipping 5 mm thick and shall be spirit polished with matching pigment. The cabinet should be complete with hinges, handles, Catchers etc.	Sft.	140.00		
13	Over Head Storage Unit Providing & fixing over head storage units of size as per layout plan 18" deep & height upto ceiling level (or min. 4'-0") made of 19 mm thick (ISI marked) phenol bonded boiling water proof commercial block board and 6.0 mm thk. plywood on back side with 1.0 mm thick laminate on top, horizontal & vertical visible surfaces. All the exposed edges of board shall be provided with teak wood lipping 5 mm thick and shall be spirit polished with matching pigment. The inner surfaces of cabinet shall be enamel painted white. The storage will have lockable two cabinets with shutters made of 19 mm thick commercial block board with 1.0 mm thk. Laminate on front side of cupboard shutters. Open able shutter with clip hinges, ball catchers, multi purpose locks are to be provided.	Sft.	10.00		
	The over head storage units supported from the low height storage unit write from floor lvl from every first, last & every alternate vertical member of low height storage unit. The storage unit is properly fixed to wall as per drawing / design at + 5'-6" with provision of concealed tube lights, electrical wires and connections as per drawing. (Note: Electrical fittings given separately in electrical part).				
14	Pin Up Board Made of 12 mm thick soft board over 12 mm thk. Commercial ply covered by 32 mm X 9 mm teak wood beading painted polished to approved colour and soft board covered with blazer / fabric cloth (basic rate Rs. 150/mtr.) of approved colour, texture and sample approved by architect. Pin -up board to be fixed to wall in manager's cabin & in banking hall (as required / suggested by the officer in charge).	Sft.	16.00		
15	Wall Paneling - Providing and fixing paneling over the existing wall made out of framework of 50 mm X 25 mm partal wood / kail wood frame @ 16" to 24" c/c vertically & horizontally. The bottom member shall be hard wood of size 75 mm X 25 mm. The frame work to be clad with 6.0 mm thick commercial ply and 1.0 mm thick approved laminate as per drawing and instructions. All exposed surfaces to be clad with teakwood moulding of size 30 mm X12.0 mm made to shape. The work should be complete in all respects including provisions of grooves duly designed & finished. All wood to be treated with wood preservatives of approved ISI quality. All exposed teak wood shall be spirit polished with matching pigment.	Sft.	600.00		

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	The rate shall include for providing groves in laminate & wood. Payments shall be made only for exposed surfaces & actual measurement at site, no payment shall be made for paneling behind furniture such as tables, credenza, storage etc. (Note - This item shall be execute on the demand of B.M. or Z.O. instructions).				
16	Providing and fixing paneling over the existing wall cladded with 6.0 mm thick commercial ply and 1.0 mm thick approved laminate as per instructions for band paid in sq. feet.	Sft.	50.00		
17	Writing desk / Customer Voucher Stand / Forms Stand - As per Design Providing and fixing forms stand of size 6'-0" X 1'-6" X 3'-9" with 3 nos. storage units of forms with 12 mm glass top fixed with 3" SS spacer. Space for housing vouchers of size 1'6" W, 1'-0" D & 9" H is also provided on the top and on side (L-shaped, wall hung) as per drawings made of 19 mm thick commercial board with 1.0 mm thick laminate to be fixed and 3/4" x 1/4" teak wood lipping on two visible sides on it All exposed Teak wood edges / teak wood lipping / beading shall be spirit polished with matching pigment. etc. & to be fixed on the wall.cost of spacers ect. all inclusive complete.	Nos.	1.00		
18	Pass Book, Cheque Drop & Suggestion Box S & F pass book cum suggestion box of over all size 1'-6" X 1'-0" X 1'-6", made of 19 mm thk. commercial board all edges covered with 19 mm X 5.0 mm teakwood beading made to shape, door made of 19 mm commercial board to the size of 150 mm X 230 mm fixed with 2 Nos. of good quality 50 mm brass hinges, complete with all locks & handle, inner surface painted with one coat of primer and two coats of enamel paint and outside finished with 1 mm thick laminate as per design / Drawing. 150 mm X 12 mm slit shell be provided on top for dropping Cheques etc. Note:- The cheque dropping Suggestion Box is to be fixed to the wall using screws.	Nos.	2.00		
19	Providing and fixing Door Closer	Nos.	6.00		
20	providing and fixing Mortice Lock	Nos.	3.00		
21	Providing and fixing night latch in cash cabin door	Nos.	1.00		
22	Electrical panel Niche / covering for branch. Providing and fixing electrical niche upto 18" deep as per drawing with outer frame made of 19 mm thick commercial block board with 1.0 mm thick laminate on all outer visible surfaces as per pattern. The inner surfaces shall be finished with enamel paint. Work also includes providing and fixing of doors as per drawing and specifications. All wood to be treated with wood preservatives of approved ISI quality. All exposed teak wood shall be spirit polished with matching pigment. The rate shall also include for providing groves in laminate & wood, hardware like hinges, handles, chitkney & locks etc. The work should be done to the entire satisfaction of the Architect / Engineer.	Sft.	40.00		

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23	Painting Work – Texture Paint Providing and applying special / texture paint Asian royal matalic finish of approved shade & make as per manufacturers specification and architects instructions. payment shall be made only exposed surface of texture paint. No measurement shall be made for texture paint behind paneling, furniture such as tables, Credenza, storage etc.	Sft.	200.00		
24	Toughened Glass 12.0 mm thk. with etching / Filming including all / as per given below	Sft.	170.00		
i.	12 MM thk. toughend glass for Banking / SWO Counters with Etching. - front & Sides. Providing and fixing 12 mm thick, clear plain toughend glass of fixed in vertical position at counter level & to side partitions as per drawing, the counter top glass fixed on both sides to toughned glass partitions & side partitions fixed to wooden partition with superior quality stainless steel L - shaped clamps / glass holders 2 no. on both sides. A 6" dia. semi circular hole at the bottom for transaction shall be provided. All the edges of the glass shall be grinded polished and left free. Make - Saint Gobain / TATA / Asahi.				
ii	Main Entrance Door for B.O, E - corner & BM - Toughened Glass 12.0 mm thk. with etching / filming. Providing & fixing frameless fully glazed 12.0 mm thk. toughend float glass single leaf glazed Toughned door of size approximately, 1800 to 700 mm X 2400 / 2100 mm all sides (as per drg. / instructions) edge grainded, polished to be fixed on patch fittings, the door to be to be fitted horizontally / vertically as per instructions. The cost including cutting, making holes, cutouts in glass of required shape and size to accomodate fitting etc. the rate shall be include nessessery etching film / logo all inclusive, complete.				
iii	Fixed Glass / Glazing / Partition - Toughened Glass 12.0 mm thk. with etching / filming. Providing & fixing frameless fully glazed 12.0 mm thk. toughend float glass of size - as per site all sides edge grainded, polished to be fixed with necessary patch fittings (godrej / dorma) the glazing to be to be fitted horizontally / vertically as per instructions. The cost including cutting, making holes, cutouts in glass of required shap and size to accomodate fittings and fixing the fixtures, screws, sealant wherever required and SS cover over patch fittings, etc. the rate shall be include nessessery etching film / logo all inclusive, complete.				
iv	The modesty guard to officials Tables shall be finished with 12.0 mm thk. toughed glass in 3" / 4" wide S.S. Spacer.				
25	Hardware & Accessories for fixing Toughened Glass doors etc. Providing and fixing the fittings in floors, soffits, jambs including necessary fixtures, screws, sealant wherever required and SS cover over patch fittings to accomodate toughened glass of above items - Hardware - Top pivot, Top patch fitting(s), Bottom patch fitting(s), Corner / Central lock(s) with strike plate, Floor spring, 1'-6" S S door handle (both sides) in door - pair, etc. all complete. Make - Godrej / Ozone / doorset / Dorma.	Job	3.00		

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26	Hardware & Accessories for fixing Toughened Glass / glazing etc. Superior quality stainless steel, S.S. Spacer / S.S. glass holders of required size & L - shaped lamps with cover / cap 2 no. on both sides to holding the front glass partition to S.W.Counter & fixed glazing including required glass holes to fix the clamps complete. - ISI marked.	Nos.	20.00		
27	Colour Powder coated Aluminium Doors with Both Side Pre-laminated PVC coated Board / 5.5 mm thk.Glass witch eatching & frosted as per requirement. Providing and fixing aluminium door made of approved colour powder coated, aluminium extruded sections of various sizes as given below to be fabricated as per approved pattern for doors fixed in position with butt hinges to frame & frame fixed in position with rawl plugs, wooden pegs, screws, aluminium angles / cleats, etc. The doors will be made of three horizontal members and two vertical members provided with 8" long aluminium tower bolt, door stopper, 4 – lever, Make- Plaza, Harrison, Godrej, built in dead lock and aluminium T section / angle at vertical side. Both sides pre-laminated board 12 mm thick shall be fixed in panels with tapered glazing clips. After fixing / embedding with walls & lintel, etc. the surface will be properly repaired / made good with existing specifications. a). 65 X 38 X 16 Gauge - All horizontal and vertical members of Door Frame. b). 114 X 44 X 16 Gauge - All bottom horizontal members of doors. c). 83 X 38 X 16 Gauge - Door members - Top rail, middle rail & Stiles. The rate shall include all hardware to complete the job.	Sft.	30.00		
28	Panelling With ACPWith Aluminium Frames) Supplying & fixing 4mm thick Aluminum component sheet of approved make and shade including making of ground of (1"X2") aluminum hollow section as per design ,with 6mm-19mm wide vertical or horizontal groove finished with Dow Cowing sealant (789) as per Architect's drawings & instructions aluminum componenet sheet should be of virgin grade and having aluminum profile thickness of 0.5 mm on both sides of core. The rate is inclusive of all fixtures and fittings (with sealent) for proper finish. The works includes front face shutter boxing complete. the rate includes all required shuttering, scaffolding, labour, material, complete.	Sft.	350.00		
29	LOGO - 3D LED Providing & installing back lit night vision Bank Logo as per hand book made of acrlc sheet, sun board, vinil & LED lights.	Sft.	10.00		
30	Poster Frame wall hung 2 nos. of sheets of 36" x 24" clear acrylic (poster to be sandwiched in between). Outer sheet is 5mm thick and beveled crystal edge polished for 3/4" at 8-10 degrees on all sides in the front. Rear sheet is 5mm thick flat. The work includes required, labour & wastage.	Nos.	2.00		
	TOTAL AMOUNT (A)				
B	ELECTRICAL POINTS & WIRING				

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1	Providing, laying, fixing & testing of electrical points including wiring with fire retardant, PVC insulated copper wire of Finolex make flame guard quality , moulded plate switches, sockets of approved make (white color) in concealed zinc passivated boxes complete with earthing 1.50 mm 2 multi strand wire in pvc pipe 12 mm / 24 mm X 2.0 mm ISI marked to be made run on wooden battens / hangers, false ceiling, chased in walls floors, disposal of malba and repair and finished of same with cement mortar as per existing, Complete job to the satisfaction of the architect.				
a	Wiring light points by laying 1.5 sq. mm copper wire independent control with 6 amp. Switch, Modular Switches light & extension points including junction box, switch plate & circuit wiring 2 x 2.5 Sq.mm + 1 x 1.50 sq.mm for earth from MCBDB to switch Board complete in all respect	Nos.	15.00		
b	As per aboveTwo light point controlled by one switch for light 600 x 600 & four light point controlled by one switch for down lighter.	Nos.	15.00		
c	Wiring light Plug points by laying 1.5 sq. mm copper wire independent control with 6 amp. Modular Switch & Socket, including junction box, switch plate & circuit wiring 2 x 2.5 Sq.mm + 1 x 1.50 sq.mm for earth from MCBDB to switch Board complete in all respect.(one Modular Switch & one Modular Socket counted as one).	Nos.	10.00		
d	Wiring light points by laying 1.5 sq. mm copper wire independent control with 6 amp.plugin points with light indication for wall / bracket fans / ex fan / Bell & extension points including junction box,switch plate, switch, socket & circuit wiring 2 x 2.5 Sq.mm + 1 x 1.50 sq.mm for earth from MCBDB to switch Board complete in all respect.(one Modular Switch & one Modular Socket counted as one).	Nos.	10.00		
e	Wiring raw power points (3 pin 5/15 amp. Power plug & switch) by laying copper wire 2 x 4.0 Sq.mm + 1 x 1.50 sq.mm for earth in 1" PVC pipe.Power Plug - 15 / 20 amp. from MCBDB to switch Board. (no power point shall be provided in table & counters)	Nos.	10.00		
2	Supply installation testing and commissioning of 3 pin 20/25 A industrial type plug and socket arrangement with plug top, cap and chain controlled by 1 no 32 A SP MCB including wiring with 2 x 6.0 Sq.mm + 1 x 2.50 sq.mm for earth PVC insulated copper wire for A/C power point i PVC conduit complete for AC's Note; Independent circuit for AC points to be provided starting from AC MCBDB.	Nos	6.00		
3	Provided and laying Wiring for telephone points with 0.6 mm dia. 2 pair insulated annealed tinned electrolytic copper conductor in 2.0 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc with suitable size GI box Modular Plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connection etc as required.	Nos.	9.00		
	KIT KATS, PANELS, DB'S & CABLES				
4	Providing and fixing of 03 no 200 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required. (Make: Havells/standard/C&S)	job	1.00		

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5	Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar / PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:	Set	1.00		
	INCOMING				
	1 no MCCB Breaking Capacity 36 KA 200 Amp 4P , Model-DU250 Series, L&T make				
	1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 250/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment				
	300 Amps capacity 4 strips Aluminium bus bars.				
	OUTGOING				
	2 nos MCCB Breaking Capacity 36 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 25 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.				
	Complete as per technical specifications, equally balance phases and should be earthed properly & nutral should earthed seprately & from seprate earth pit. Cable allies on all three sides. The cubical panel shall be factory fabricated of 16 gauge MS sheet of superior paint over one coat of primer. The cable shall be properly terminated with the help of cable glands / thimbles etc.,. (Switches shall be approved make only).				
6	Supplying & fixing the 1 no.4 pole 200 Amps capacity change over switch and complete connection with Electrical Panels as required. Make: Havells/HPL/Standard/ Legrand/L&T	no.	1.00		
7	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. Make: Havells/HPL/Standard/ Legrand/L&T.				
a)	8 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator and 6 No SPMCB 10/16 Amp. (UPS output)	no.	1.00		
b)	6 way SPN MCBDB comprising of 1 No 63 Amp DP Isolator and 4 No SPMCB 10/16 Amp. (UPS output)	No	1.00		
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP TPN and 6 Nos.32 A DPMCBs etc complete as required. (for Air conditioning only).	no.	1.00		

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S.No	ITEM	UNIT	QTY	RATE	AMOUNT
d)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising with 30mA ELCB and 12 Nos. 6/10 Amp SPMCBS etc complete as required. (for Light, Fan point only)	no.	1.00		
e)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP MCB and 12 Nos. 20/25 Amp SPMCBS etc complete as required. (for Raw Power Only)	no.	1.00		
8	Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS 1554 Part 1) and fixing of cable on wall with suitable size of trminators / glands clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked).(WITH PROPER COLOUR CODING FOR RYBN CONDUCTOR)				
a	3.5X35 sq. mm aluminum conductors armoured cable with two Nos. 8 SWG GI wire	Rmtr.	20.00		
b	3.5X25 sq. mm aluminum conductors armoured cable with two Nos. 8 SWG GI wire.(from Panel to DB's)	Rmtr.	50.00		
c	4 x 10 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (from Panel to DB)	Rmtr.	20.00		
d	Provided / supply and laying of cable 4 x 6 sq.mm flame proof PVC insulated copper conductor cable 1100 volts (finolex make flame guard quality grade) on existing wall, false ceiling (concealed in customer lobby) from branch panel board to UPS & UPS to ATM.	Rmt.	50.00		
9	Glow Sign Board pt. wiring 2 x 4.0 sq.mm + 1 x 1.5 sq. mm multi strand PVC copper wire in PVC pipes with 32 Amps. MCB and one Power point with timer Quartz & Contactor (L&T) complete connection. each for Branch & ATM	L.S.	1.00		
	EARTHING				
10	Gel Earthing - Gel type maintenance free chemical earthing. Supply & instalation of Terradine GI 30 mm dia. 10'0" long electrod filled with hydrosopic, noncrosive terasalt having breaching ports at top @ leakching ports at bottom with two bags of terafill. rate should include bore well, redimade chamber with cover of Altec corporation & all required civil & all allied works complete.				
a	ASH - 50, Length - 3000 mm outer dia for 60 - 63 - Copper Gel earthing.	Nos	1.00		
b	ASH - 19 Length 3000mm outer dia 46 - 50 - GI Gel Earthing	Nos	2.00		
11	Earthing Conductors Wiring with 1 X 10 sqmm PVC insulated copper conductor wire of 650 / 1000 volts grade (Finolex make flame guard quality) as earth wire with concealed / exposed PVC pipe including making all the connections.	Rmt.	50.00		
12	SUPPLY & INSTALLATION OF FANS AND FIXTURES - Supply, Installation, testing and commissioning				
a	Supply, Installation, testing & commissioning of LED in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2x1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc. for 36 watt LED fitting with DRIVER etc. Complete as reqd. Philips cat. RC 380BG22ED -35S -6500 PSU OD WH or equivalent of Wipro / Bajaj.	Nos.	12.00		

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b	Supply, Installation, testing & commissioning of LED in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2x1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc. for recess 15 watt LED downlighter assembly with driver complete as reqd. Phillips cat no.BBS 170 lxLED - 5000 PSU WH or equivalent of Wipro / Bajaj.	Nos.	32.00		
c	Supply, Installation testing and commissioning of fitting complete with T-5 lamps fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd. Crompton / Philips make Ordinary single tube light & all fittings including fluorescent rods of 36W / 40W or equivalent of Philips / wipro / Bajaj	Nos.	5.00		
d	Supply, Installation testing and commissioning of 400 mm sweep Wall Bracket fan (M/s Crompton High flo or equivalent of Khaitan /Bajaj)	Nos.	8.00		
e	Supplying / erection / commissioning of heavy duty exhaust fans of approved make of size 12" dia complete in all respects.(M/s Crompton High flo or equivalent of Khaitan /Bajaj	Nos.	4.00		
f	Supply, Installation testing and commissioning of modular bell points, including buzzer complete as required. (Philips or equivalent of Wipro / bajaj / Crompton).	Nos.	1.00		
g	Supply Installation, testing & commissioning of LED STRIP light with driver and Accessories complete as required (MS CROMPTON or equivalent of WIPRO , PHILLIPS, BAJAJ etc.				
i	Warm white Cat No. 38389 (M/S Philips)	Rmt.	80.00		
13	MDF for Telephone / lease & ISDN line - Supply, installation and testing & commissioning of Tag Block 20 pair for telephone connections Make: krone	Nos.	1.00		
13	Providing , Laying testing & commisioning of 10 pair telephone cable from outside govt. / bsnl DB to Rack for lease line, ISDN of Delton, finolex, polycab) including required 2 mm thick 25 mm dia ISI marked PVC conduit,flexible pipe with all accessories such as bends, junction boxes, channel & floor / wall cutting & repairing.	Rmt.	30.00		
	COMPUTER WORK				
14	Terminal Board with 4 Modular Switches, 4 Sockets & indicators Including terminal wiring with 2 X 2.5 sq. mm + 1 X 1.5 sq.mm for earth PVC Insulated Copper wire from UPS MCB DB in 25 mm PVC concealed conduit complete. (Max. two points on one circuit).	Nos.	20.00		
15	UPS DISTRIBUTION BOARD supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. Make: Havells/HPL/Standard/ Legrand/L&T. as per details below :-				
a	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put).	each	2.00		
b	4 way DB comprising of 1 no. 63 amp 4P MCB - 3 phase (UPS input).	each	1.00		

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	BOQ				
S.No	ITEM	UNIT	QTY	RATE	AMOUNT
8	Supply, installation, testing and commissioning of 63 Amp MCB change over DP with 4 way DB boxes, complete as required: (Make: Havells/HPL/Standard/Legrand/L&T).	each	2.00		
16	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity: (Make: Havells/HPL/Standard/Legrand/L&T)				
a)	32 Amp with 32 Amp. With DP MCB. (for ups panel)	no.	3.00		
b)	20 Amp with 20 Amp. with DP MCB. (for ups panel)	no.	4.00		
17	Providing and fixing 16 S.W.G. MS sheet and also base frame for installation of MCB DBs plug and socket arrangement and to cover cables in UPS room & ECP including painting etc. complete	sq. mtr.	1.00		
18	Providing and laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/ PVC conduit pipe with accessories such as glands bends etc (as per requirement) including making necessary interconnection etc complete as required. 2 X 6 Sq mm with 1 no suitable insulated 2.5 sq mm multi stranded copper wire in PVC flexible pipe. (Make: Havells/ RR Kable/Finolex).	mtr.	20.00		
	DATA CABLING				
19	Supplying, fixing / laying wiring for computer net working starting from mounting rack with UTP Cat - 6 / 5E (As per Banks' Instructions) computer networking / data cable in 2 mm thick 25 mm dia ISI marked PVC conduit including required flexi pipeflexible pipe with all accessories such as bends, junction boxes, channel & floor / wall cutting & repairing from server to each table & counter with D-Link CAT VI / 5E Single I/O (box / face plate and SMB) complete with all networking accessories etc. Including as required LAN Instalation Charges / Testing / Commisioning & instalation.	Nos	20.00		
20	Supplying, fixing / laying Cat-6 Patch Cord 2 Mtr. (Counter to Computer)	Nos	10.00		
21	Supplying, fixing / laying Cat-6 Patch Cord 1 Mtr. (Patch panel to switch)	Nos	20.00		
22	Supplying, fixing / laying CAT 6 24 Port Patch Panel	Nos	1.00		
23	Supplying, fixing / laying CAT 6 16 port switch	Nos	1.00		
24	Supplying, fixing / laying 9U Rack with 500 mm depth & with accessories (Tray & 5 Socket Power points)	Nos	1.00		
25	LAN Instalation Charges / Testing / Commisioning (Instalation in cluding following)	job	1.00		
a	Fixing Networking Box / VSAT / leaseline & ISDN Line.				
b	Fixing of rack at proper height				
c	Fixing of switch				
d	Fixing of Patch Panel				
e	Fixing of Router.				
f	Inter connection of switch / patch panel / router, lease line & ISDN line				
g	MDF for Telephone/Lease & ISDN line.				
h	Laying of cables in conduits with proper gap from electrical cables, punching of I/O				

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	BOQ				
S.No	ITEM	UNIT	QTY	RATE	AMOUNT
	AIR CONDITIONING WORKS				
26	Supply, erection, testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firing duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil-copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates are to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make : Hitachi/Daikin/Carrier/Voltas/Blue star)				
a)	1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer	no.	2.00		
b)	1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer	no.	4.00		
	Note: Warrenty certificates of Airconditioning units to be submitted by the vendor with the bill.				
27	Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make : Blue Bir/Logic state/ Inline/V-guard (Copper winding)				
a)	4 KVA (for 1TR to 1.5 TR Split AC)	no.	6.00		
28	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make: Total Line/Armcell)				
a)	1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's	mtr.	50.00		
29	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)	mtr	30.00		
30	Supplying and providing FRLS Eletrical flexible cable of 3x2.5sq.mm multi strand suitable for 1.5 Tr H.W Split between Indoor & Outdoor units and between Metal Clads to Out door for electrical supply etc complete as required (Make: Havells/ RR Kable / KEI/Finolex)	mtr	100.00		
	FIRE SECURITY WORKS				
31	CEAS FIRE Automatic Modular ABC Powder Types Fire Extinguisher (Capacity - 5 kg)	Nos	2.00		
32	Supplying, fixing, testing and commissioning of conventional photoelectric type smoke detector with mounting base and LED, required armoured cable Cables as per manufacture specifications etc. complete as required.	Nos	12.00		
33	Supplying, fixing, testing and commissioning of conventional rate of rise cum fixed heat detector with mounting base and LED, required armoured cable Cables as per manufacture specifications etc. complete as required.	Nos	8.00		

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34	Supplying, fixing, testing and commissioning of dual tone type electronic hooter including required armoured cable Cables as per manufacture specifications etc. complete as required.	Nos	1.00		
35	AFO (AUTO FIRE OFF) Plastic Fire Extinguisher Ball, Standard Size, Orange - Pack of 2 Balls	Nos	1.00		
36	Supply, Installation of Manual Call Point with hammer and chain. As per IS:2189. SS Chain , Hammer & blinking. Power I/P 24 V DC, MS Sheet, 750 gm., Dimensions (mm) 120 X 90 X 55. Colour - Red. including required armoured cable Cables as per manufacture specifications etc. complete as required. (Make Agni Surkhsha/Morley).	nos.	2.00		
37	Fire Alarm Panel 2 ZONE with Advanced Micro controller based, character LCD display. Zone wise Fire,open,short LED indicators, testing facility. Trickle & fast charging facility. Reset, alarm cancel, lamp test and control etc. Compatible with any make smoke and heat detectors. (Make Agni Surkhsha /Morley) including all connections with required armoured cable Cables as per manufacture specifications / WIRE 2 CORE 1.5MM conductor armoured cable. (approve make:Polycab/Finolex/CCl) . Technical : Power Supply 230 V AC , 50 Hz / 24 V DC, Operating Voltage 24 V DC, Normal Loop Voltage 23.20 V DC, E.O.L. 4K7.	No.	1.00		
	SECURITY ALARM SYSTEM				
38	Providing and fixing 4 Zone Control Burglar Alarm Panel.Battery backup with inbuilt charger.User password protection.Real time clock with 128 event history.LCD display current date and time with current status of all zone. Programmable hooter trigger dealy (0-07 min.). entered telephone Nos. and message check facility. Hooter time 0 to 07 min.Enough inside space for SMF battery (Including SMF battery) (Make- Electro group).	nos.	1.00		
39	Providing and fixing panic switch for emerjency alarm complete	nos.	8.00		
40	Providing & fixing Motion sensor and magnate for Strong room Door complete	nos.	2.00		
41	Providing & fixing Electronic Hooter 110 DB Hooter Security Loud Sound complete.	nos.	2.00		
42	Supplying of WIRE 2 CORE 1.5MM conductor non- armoured cable.	Rmt	120.00		
	GRAND TOTAL				
A	INTERIOR / FURNISHING WORK				
B	ELECTRICAL, COMPUTER & DATA CABLING WORK				
	GRAND TOTAL				
	GST Paid Extra.				