

TENDER FOR INTERIOR FURNISHING AND ELECTRICAL WORK OF PUNJAB AND SIND BANK BRANCH AT MANDI DABWALI ROAD - SIRSA (HR.)

A					
INTERIOR FURNISHING WORK					
Sr. No.	Description of Items	QTY	Unit	Rates	Amount
1	<u>PARTITION WORK</u>				
	<u>CASH CABIN :</u>	65	Sqft.		
	Providing & fixing in position 7'-0" High partly glazed partition for cash cabins as per drawing including door in frame work at 2'x2' grid (horizontally & vertically) comprising of 2"x1 1/2" t.w. section and or as per frame work shown in the drawings with 6mm plywood on both sides finished with 1mm thick laminates of approved shade and color as shown in drawings. Item to include 8mm thick glass with etching and frosting as per design & 2"x2" t.w. member for door sides and glass sides and t.w. door frame to take 8mm thick glass with etching & frosting. The door will be provided with t.w. louvers finished in melamine polish of matching laminate color. The doors are also to be provided with Godrej night latch two wooden trays are also to be provided as per drawings. Necessary cutouts are to be provided in the glass and the edges of the glass cutouts are to be finished in mirror polish. All exposed t.w. surfaces to be finished in melamine polish of matching laminate color as directed including all necessary Stainless Steel finish fittings/ hardware door closer, Godrej locks and wood preservative paint etc as per list of approved by the Project consultant/Bank complete in all respects.				
a)	Providing and fixing aluminum jali at roof top in cash cabins.	50	Sqft.		
2	<u>LOW HEIGHT PARTITION UPTO 4'-6" HIGH</u>				
	Providing & fixing in position partly glazed low height partition 4'-6" High in frame work with t.w. vertical members at 2'c/c/ and 3 horizontals members at equal distance comprising of 2"x1 1/2" t.w. section with 6mm plywood on both side finished with 1mm thick laminate of approves make and shade. Item to include 12 mm thick glass (clear/frosted) to be fixed as shown in the drawing. The exposed edges of the glass to be finished in mirror polish. T.w. runner should be melamine polished in matching colour of laminate etc complete in all respects.	80	Sqft.		
3	<u>FULL HT. SOLID PARTITION UPTO 9'-0" HIGH: -</u> Providing & fixing solid full height partition in frame work including door in 2'x2' grid (horizontally and vertical) comprising of 2"x1 1/2" teakwood section with 6mm thick plywood on both sides finished with 1mm thick laminates approved make and colour as in drawing Items to include 2"x2" t.w. for door frame. All exposed t.w. surfaces to be finished in melamine polish of matching laminate colour as directed including all necessary stainless steel finish fittings/hardware , door closers, Godrej locks and wood preservative paint etc as per list of approved material and as approved by the Project Consultant / Bank complete in all respects. (Note- In case of false ceiling, the vertical t.w. member to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only.) ,	200	Sqft.		
4	<u>Partly Glazed Full Height Partition upto 9'-0" high</u>				
	Providing & fixing in position partly glazed full height partition work as shown in the drawing Including door as shown in drawing. In frame work at 2'x2' grid [horizontally & vertically] comprising of 2"x 1 1/2" t.w. section and/or as per frame work shown in the drawings with 6mm plywood on both sides finished with 1mm thick laminate of approved shade and color as shown in the drawing item to include 8mm thick glass with etching and frosting as per design and 2"x2" t.w. member for door sides and glass sides and t.w. door frame to take 5mm thick glass with etching and frosting. All exposed t.w. surfaces to be finished in melamine polish of matching laminate color as directed including all necessary stainless steel finish fittings/hardware door closers, Godrej locks and wood preservative paint etc as per list of approved material and as approved by the Project Consultant /Bank complete in all respects.(mgr cabin and front facade) [Note- In case of false ceiling , the vertical t.w. member to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only.]	210	Sqft.		
5	<u>Vertical Blinds</u>				
	Providing and fixing perforated vertical blinds (metallic of lux flex (Trac / vista / Mac make of approved colours (50mm / 89 mm width) complete in all respects for manager's cabin glazing and front side windows. (basic rate of fabric shall not be less than Rs 90/- per mtr.)of 100 mm thick vertical blinds with necessary accessories like channel,string ,control unit ,fabric etc complete .	36	sft		
6	<u>WICKET GATES:</u>				
	Providing and fixing wicket gate made of partal/kallwood frame 2"x2" covered with 6mm ply of approved make. Both side of ply shall be finished with 1mm thick laminate of approved colour over teak wood lipping (1/2" thick) is fixed on all four edges. Laminate colour scheme to be followed as per drg./design gate is properly fixed with clip hinges/spring hinges to low height partition and is openable in both directions. Approved make lock along with powder coated brass handle and tower bolt is fixed as per design/drawing. All work to be done complete in all respects.	15	Sft.		
7	<u>Entrance Door With Filming (BM , Branch & ATM)</u>				
a)	Providing and fixing in position 12mm clear float toughened Glass door size =3' -0"/3' -6"x7'-0" for naked glass door. The work to include making necessary template for all the glasses and then cutting the clear float glass to correct size, making all the necessary holes, cuts etc., and then toughening the same. The cost to include all hardware required viz., Ozone/ebco/godrej or approved equivalent make floor spring with its accessories, top pivot, center lock, 450mm glass door handles etc., along with etching with sand blasting as per design and drawing. The maximum size of each glass shall be as per the drawing or the direction of the Engineer-in-charge. The rate is for a finished item of work etc., complete as directed.	70	Sft.		

b)	<p>12mm clear float toughened Glass partition with filming :- Providing and fixing in position 12mm clear float toughened Glass partition with patch fittings for the full height glass partitions as per the direction of the engineer-in-charge. The work to include making necessary template for all the glasses and then cutting the clear float glass to correct size, making all the necessary holes, cuts etc., then toughen the same. The cost to include all hardware (PATCH FITTINGS etc) required of Ozone/EBCO/GODREJ or approved equivalent make viz., single corner patch, top and bottom corner patch etc. or as per the direction of the engineer-in-charge, along with etching with sand blasting as per design and drawing. The maximum size of each glass shall be 1200mm to 2000mm x 2400mm to 2700mm as per the site requirement. The rate is for a finished item of work etc., complete as directed. The cost to include the cost of bevelling and smoothening of the exposed edges of the glass.</p>	80	Sft.		
8	<p>WALL STRIP (6" FROM TOP)</p>				
	<p>Providing and fixing wall strip over the existing wall made 12 mm thick ply of approve make finish with 1.0 mm thick mica of approve make & shade. The entire wooden framing and ply is to be given anti-termite treatment. All exposed edges shall be covered with 5.0 mm thk. teak Wood beading dully polished.</p>	120	sft.		
9	<p>Manager's Table (6'-0"x2'-6")</p>	1	Nos.		
	<p>Fabricating manager's working table made out of 19mm marine grade block board, having table top 2'-6" height from the ground level & 2'-6" clear table top width(10 mm thk table top glass edge grinding) . Table shall be provided with a sliding keyboard tray 2'-3" wide with slider , 2 nos. drawer on either sides and cupboard below the drawer with locking arrangements , aluminium handles , brass hinges etc. .All exposed surfaces should be laminated with 1.5mm thick rubber wood laminate . The internal surface should be painted with two coats of enamel paint over a coat of primer . Provision for CPU stand 1'-0"x2'-0" & footrest of sizes 75mm x 38 mm shall be provided at bottom. Wire manager should be provided to the counter all exposed edges of block board shall be provided with teak wood beading and polishing etc,complete. The table top shall be provided with 10 mm thick beveled clear glass (Providing & fixing in position manager's table of size 5'-6"x2'-9" as per drawing by using 25mm thick plywood for top and 18 mm thick plywood for all other horizontals and verticals members. Telescopic CPU stand / ready keyboards tray shall be provided of approved model & make. Footrest made with t.w. member of sizes 4"x1 1/2" finished with french polish. All exposed plywood surfaces to be finished with 1mm thick laminate of approved make & shed and all exposed edges of table top & ply verticals to have 1"x1/4" t.w. lipping. All exposed t.w. sections to be melamine & internal surfaces to have white enamel paint as directed. Item to include plywood boxing ,all necessary hardware and fitting in SS finish ,lipping to all edges etc. complete work done by as per architect and engineer satisfaction.</p>				
10	<p>OFFICER & CLERICAL Table SIZE(4'-6" to 5'-0" X 2'-6")</p>	5	Nos.		
	<p>Fabricating Clerical's working table made out of 19mm marine grade block board, having table top 2'-6" height from the ground level & 2'-6" clear top (10 mm thk table top glass edge grinding) width. Table shall be provided with a sliding keyboard tray 2'-3" wide with slider , 2 nos. drawer on either sides and cupboard below the drawer with locking arrangements , aluminium handles , brass hinges etc. .All exposed surfaces should be laminated with 1.5mm thick rubber wood laminate . The internal surface should be painted with two coats of enamel paint over a coat of primer . Provision for CPU stand 1'-0"x2'-0" & footrest of sizes 75mm x 38 mm shall be provided at bottom. Wire manager should be provided to the counter all exposed edges of block board shall be provided with teak wood beading and polishing etc,complete. The table top shall be provided with 10mm thick clear glass of sizes 4'-0" to 5'-0" (Providing & fixing in position Clerical's and officer's table of size 4'-0" to 5'-0" x2'-6"as per drawing. by using 25mm thick plywood for top and 18 mm thick plywood for all other horizontals and verticals members. Telescopic CPU stand / ready keyboards tray shall be provided of approved model & make. Footrest made with t.w. member of sizes 4"x1 1/2" finished with french polish. All exposed t.w. sections to be melamined & internal surfaces to have white enamel paint as directed. Item to include plywood boxing ,all necessary hardware and fitting in SS finish ,lipping to all edges etc.</p>				
11	<p>Cash Counter with Granite Top(Jet Black)</p>	5	rft.		
	<p>Providing & fixing in position cash counter 5'-0" X2'-9"X 2'-6"/3'-6" (10 mm thk table top glass edge grinding)wide as per drawing comprising of the following -Working top made with 25mm thick plywood finished with 1mm thick laminate. Outside edges of the working top shall be provided with 1 1/4"x1" teak wood moulding finished with melamine polish. Inside edges will be provided with 1/2"x1" teakwood beading Patti with melamine polish. Vertical facia (Aron) made with 18mm thick plywood finished with 1 mm thick groove at the joint of laminates of two different shades of laminates. Vertical drop (horizontal band) shall be provided on the facia below the working top made with 18mm thick plywood finished with 1mm thick laminate with finished with french polish. Drawer unit as per drawing shall be provided and each drawer should have vertical partition for keeping the currency notes multipurpose Godrej lock Facia of drawer unit shall be finished with 1mm laminate and all other shall be finished with white enamel paint. The drawers will be provided with handles (Stainless Steel finish) and channels as per approval of the Architect / Bank. Boxing as per drawing made with 12 mm thick plywood finished with synthetic enamel paint shall be provided below the table top for electrical conducting and at the bottom for the LAN cabling /telephone wire conduiting. The item to include all necessary hardware and fittings in Stainless Steel finish, lipping to all edges and making provision only for electrical fitting behind the front. Vertical drop and also in the 10"x10" boxing as shown in the drawing. 9" wide and 20 mm thick granite front top. Necessary beadings with matching melamine polish for the glass are to be provided as per drawing as directed.</p>				
12	<p>SIDE CREDENZA</p>	1	Nos.		
	<p>Providing & fixing SIDE CREDENZA for officer as per drawing of 3'-0" to 4'-0" length , 2'-6" ht and 1'-6" deep as per layout plan made up of 19mm commercial board of approved Make and finished with 1mm thick laminate of approved Make, shade as approved and per detailed drawing. With 1 shelf made up of 19mm thick commercial board, in side to be painted over a coat of primer and enamel paint of approved Make and color .The work includes fixing of clip hinges, magnetic catchers, handles, locks, steam beach lipping etc complete in all respects to the complete satisfaction of the Architect.</p>				
13	<p>Rectangular writing desk with storage with customer and complaint box as per drgs.</p>	1	NO		

	Providing & fixing of Rectangular writing desk with provision of complaint and suggestion box, made of 18mm thick commercial plywood finished with 1 mm thick laminate on all sides including inside divisions. 12mm thick toughen glass Shelf shall be fixed of desk with bevelled and polished edges making different divisions by 12mm thick toughen glass for slips or forms as per detail drawing directed complete. The rate to include all materials, labour, transport, taxes, etc complete as directed. (Size: 4'-0" X 1'-0" X 3'-6"ht.)				
14	Wall panelling 4'-6" high to be providing on all wall surfaces and columns. Comprising of 1 1/2" x 1" wooden battens (partial wood) shall be 2'-0" c/c covered with 6mm thick comm. Ply of approved make (phenol bonded,B.W.P, borer proof,chemically treated) with 1.0mmthick approved shade & make of laminate shall be fixed on one side over 6mm ply with groove pattern and 1 1/4"x1/2" teak wood beading complete job including malamine polish on edge beading. cornices etc. and painting of grooves in approved colour. all job to be done to architect's satisfaction/as per bank direction.	395	Sqft		
15	Full Height Storage /Low Storage /Back Storage Providing and fixing storage cabinets of size 2'6" (High) x 16" (Deep) along the walls/partitions, as per interior drawings, using 19mm board for carcass, shutters, vertical and horizontal partitions, 6mm Ply for the back and 1mm High Gloss Laminate of approved shade on vertical and horizontal visible surfaces. The shutters shall be overlapped on the carcass and shall be provided with EBCO hinges. The width of the shutter shall be between 12" to 15" as per the site conditions. All the exposed edges of the board shall be provided with wooden lipping 19mm x 3mm, duly PU polished/deco painted in desired shade. The inner surface shall be provided with 0.8mm thick Laminate of desired shade, design and gloss. The cabinet shall be complete with handles, knobs, locks and magnet catchers etc. to the satisfaction of the Architect/Engineer.				
a)	2'-6" high storage	105	sft		
b)	9'-0" high storage	195	sft		
16	OVER HEAD STORAGE CABINET Providing and Fixing over head storage cabinet depth 400mm, height 600mm with shutters made in 19 mm thick commercial block board and 6mm thick comm. Ply for back side to be fixed on the wall, with 19mm thickcommercial block board shelves inside placed horizontally and vertically with hydraulic hinges. All inside surfaces to be enamel painted and outer faces of shutters and sides (excluding outer top and bottom faces which are to be enamel painted) to be finished with 1 mm thick Laminate of approved color and shade. The item includes providing 150mm brass handles on front for shutters,magnetic catchers, including necessary hardware etc. all complete as per drawing and as per instruction of Engineer in charge.	78	sft		
17	TEXTURE PAINT (HALL) :- Providing and doing texture surface Coating on walls of approved shade & texture. (Heritage flakes / spectrum). The rates are inclusive of scaffolding Staging etc. for any height and for plans as well as For architect-ural surface. All complete as per approval and instructions of the Architect/ employer.	465	Sqft		
18	OIL BOND PAINT (RECORD, STRONG ROOM):- Providing and doing plastic emulsion paint surface on walls & roof of approved shade. The rates are inclusive of scaffolding Staging etc. for any height and for plans as well as For architectural surface. All complete as per approval and instructions of the Architect/ employer. Note: Entire area of wall shall be measured in single front plane.		Sqft		
19	ARMSTRONG 600 X 600 MM PPGI METAL MICROLOOK LAY-IN STANDARD PERFORATED TILES WITH ARMSTRONG SILHOUETTE 38 WITH 15 MM EXPOSED GRID SYSTEM Providing & Fixing horizontal level suspended ceiling comprising of Armstrong PPGI Microlook Lay-in Standard Perforated metal ceiling consisting of 600x600mm (Nominal Size) tiles made of 120 gsm pre-painted galvanized iron (PPGI), Grade – GPL as per IS 277 (2018) with coating durability of Class C1 as per IS 14246 suitable for architectural finishes of 0.5mm thickness as per in IS:513 (2008) in Global white color with Square Tegular/Microlook 90° edge having 8mm drop and 5.5mm flange. Tile shall have perforation having hole diameter 2.5mm and open area 16% with linear and diagonal pitch of 5.5mm and 7.7mm respectively and a border of 10mm. The difference between the 2 diagonal dimensions of the tile to be less than 1mm. Tiles shall be flattened by precision leveller to minimize sag to less than 1/400mm. The tile shall be pre-painted using RoHS compliant polyester paint on face of thickness ranging from 15 -30 microns and epoxy paint on back of thickness 4-10 micron. The paint coating shall pass Salt Spray Test for 350 hours (Face) and 200 hours (Back) as per ASTM B117, QUV –A Test for 500 hours as per ASTM G-154 – (Cycle – 1) and Humidity test for 500 hours as per DIN 50017.The paint shall have an adhesion of GT0 as per EN ISO 2409. The shade variation across batches shall be delta E<0.8 using Excite/BYK Gardner instrument and gloss level of 12±5% at 60° as per ASTM D523.The tile shall have a Light Reflectance of ≥ 63% in accordance to ASTM 1477-98. Back side of the tile shall have Soundtex fleece hot pressed mechanically for uniform bonding to achieve NRC up to 0.7 (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C-423 and Fire Performance of class 0/1 as per BS 476 Part 6 & 7 in module size of 600x600mm.	500	Sft.		
	SUSPENSION: The tile shall be laid on Armstrong Silhouette 38 profile grid system with 15mm white flanges incorporating a 6mm central reveal in white/black colour with mitred ends & "bird's mouth" notches to provide mitred cruciform junctions colour global white (matching to tile color).Grid shall have double stroke rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm (all sections). The deflection loading of the system shall be 7.9 kg/m2 (as per standard installation layout mentioned below) and main beam tested as per ASTM C635 (Deflection limit less than L/360) with a deflection loading of 9.5 kg/m. The end details of the cross tee shall be made of pre hardened steel clip fixed to the ends of the cross tee to provide double locking between "cross tee to cross tee" and "cross tee to main beam". All main beam to main beam and cross tee to cross tee connection shall have a pull out strength of more than 100kg. The T Sections shall be made of 90 gsm as per IS 277 (2003) pre-painted steel with baked polyester paint of OT bending capability. The Tile & Grid system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The Tile & Grid shall have the manufacturers name embossed/printed on it. The supply shall be backed by a Manufacturing Test Certificate.				

	<p>INSTALLATION: To comprise main runner spaced at 1200mm securely fixed to the structural soffit using Armstrong suspension system (specifications below) at 1200mm maximum. The First/Last Armstrong suspension system at the end of each main runner shall not be greater than 450mm from the adjacent wall along with the first and the last main beam shall be at less than 600mm from the wall.</p> <p>Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200 mm cross tees.</p> <p>Perimeter trim to be Armstrong wall angles of size 3000x19x19mm, secured to walls using screws at 450mm centre to centre maximum.</p> <p>Installation shall be carried out as per Armstrong recommended procedure.</p>				
	<p>ARMSTRONG SUSPENSION SYSTEM accessories manufactured and supplied by Armstrong consisting of M6 Anchor Fasteners with hanger hole, pre Straightened Hanger wire of dia – 2.5 mm of 1.80 m length having a tensile strength of 344-413 MPa and a minimum loading strength of 110 kgs. Additionally, adjustable hook clips made of 0.7mm thick Grade 1 C55 galvanized spring steel of dimension 100 x 20mm and 4 mm aquiline wire to be used for level adjustment during installation purpose in main runners.</p>				
20	Gypsum Board False ceiling Including steps	950	Sft.		
	<p>Providing and fixing suspended false ceiling including steps and provision of cope lighting as per design with 12.5mm tapered edge Gypboard / 12mm thick Elephant Gypsum Board to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consisting of a perimeter channel fixed round the perimeter. The intermediate channel at 1200mm c/c in the one direction and the ceiling section at 450mm c/c in the other direction to be connected by a connecting clip. The grid to be suspended with an adjustable strap hanger. The grid to be suspended with an adjustable strap hanger at 1200mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts/fasteners Nut and bolts to be used to connect strap hangers to soffit cleats and for joining ends of channel sections together. The gypsum board layers to be screwed to the M/F ceiling sections with Gypboard drywall screws. Jointing and screw spotting are then carried out as per manufacturer's standard recommendations. Perimeter Channels 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 including 2-3 coats of plastic emulsion , over a coat of primer.</p>				
21	Applying and fixing of banks Etching logo sticker as per drawing and design on entrance door	2	Nos.		
22	Notice board (4'-0" x 2'-0")	2	nos		
23	Pin-up board finished with cotton cloth & rubber wood beading.	58	sqft		
24	<p>Providing & fixing ELECTRICAL PANEL BOXING with backlet sheet of 9'-0" ht and depth as per size of the electrical panel, layout plan made up of 19mm commercial board of approved Make and finished with 1mm thick laminate of approved Make, shade as approved , in side to be painted over a coat of primer and enamel paint of approved Make and color The work includes supplying, fixing of hinges, magnetic catchers, handles, Steam Beach lipping, Ventilator Grill etc complete in all respects to the complete satisfaction of the Architect.</p>	1.00	No		
25	Fire Door - UPS Room	1.00	No		
	<p>P/F fire door of MS Sheet of 1mm for Door, MS Sheet of 1.2mm for Frame Constructed to withstand 2 hr. fire retardent with View Panel size 200mm X 300 Mortise Lock with push down handle, Door Closure fixed on top of the door Frames will be fixed with expansion anchors Colour of client choice-powder coated Overall shutter thickness will be of 46mm standard size of the fire door 7' X 3' with Installation</p>				
26	ACP INTERNAL PANELING AND FRONT SHUTTER BOXING	450.00	SQ.FT		
	<p>Providing and fixing Aluminium Composite Panel (ALSTRONG/ ALUCOBOND/ ALSTONE) wall cladding with the 4mm thick PVDF coated aluminium composite panel (ACP) (0.25 mm coil thick) with frame of aluminium channels (25 x 50 x 1.6mm), cleat angle (8 x 18 x 2mm) necessary hardware, backup material and weather sealant to make the joints leak proof. The spacing for the channel along the length and spacing of cleat on the perpendicular shall not be more than 600mm. The rate includes all required shuttering , scaffolding,labor,material</p>				
27	12mm thick Toughen glass for ATM separation		SQ.FT		
	<p>Providing and fixing 12 mm thick, clear plain toughened glass partition in ATM room with superior quality stainless steel patch fittings of ebco/godrej/ozone. All the edges of the glass shall be grinded/bevelled and polished. The glass shall also be etched as per the design. Glass area with maximum height shall be measured for the purpose of payment. The work shall be carried out as per drawings.</p>				
	FOR ATM				
28	P/F acrylic notice board of size 2'x3' with chrome spacers.	2.00	No.		
29	<p>12mm thick Toughen glass for officer and cash cabin front:- Providing and fixing 12 mm thick, clear plain toughened glass for tables front with superior quality stainless steel patch fittings of ebco/godrej/ozone. All the edges of the glass shall be grinded/bevelled and polished. The glass shall also be etched as per the design. Glass area with maximum height shall be measured for the purpose of payment. The work shall be carried out as per drawings.</p>	90.00	SQ.FT		
	TOTAL			Rs.	
B	ELECTRICAL WORK				
1	Point Wiring				

	Supply all material, receiving, storing, fixing, laying wiring & testing the same for light, ceiling fan, exhaust fan, 6A socket; starting from the point control box to out let; using 1.5 sqmm copper conductor PVC insulated 1100V grade wiring cable in concealed system using 20/25/32 mm ISI marked PVC conduit including all conduit accessories like conduit bends, tees, draw boxes, fan hookes etc., where ever required, together with wiring accessories such as flush type modular & flush type sockets, point control boxes, PVC bushes for conduit ends, batten holders, chrome plated brass screws including 1 sqmm copper PVC insulated earth wire, identification ferrules at either ends, complete in all respect. Conduit being concealed either in ceiling/ wall chase or on surface, including making & filling chases with cement mortar & painting the surface conduit etc. complete as reqd. Rates include providing & fixing modular switches & sockets with switch boxes and plate etc. complete (Rates include 3x2.5 sq.mm copper conductor PVC insulated wiring laid in PVC pipe for circuit wiring). Wire Make: HAVELLS/KEI/ECKO/RR CABLE/Polycab only and Switch & socket make: Anchor/Crabtree/North-West/MK)				
a)	6 amp switch controlling single light/fan point	20	NO		
b)	6 amp switch controlling the four downlighters OR Two 2x2 light fittings (No. of lights will be counted for calculation)	28	NO		
c)	15 Amp wiring with 2.5mm sq. multi strand PVC copper wire & metal clad enclosure sockets & plus.	8	NO		
d)	5 Amp plug point wiring with 1.5mm sq. multi stand PVC copper wire inc. Plate switches, sockets, plugs. Etc.	6	NO		
e)	Call-bell point wiring including Ding-dong bell with 1.5mm sq. multi strand PVC copper wire including plate switches, sockets, etc.	1	NO		
f)	Signage wiring (material & labour) – P&F of 3x4mm & copper flexible wire & PVC conduiting of ISI make complete with all accessories like Saddles, bends modular switches etc.	1	NO		
g)	Electrical wiring for Air-Conditioning: P / F 32 Amp wiring with MCB from D/B to site of outdoor and indoor A/C Unit, i.e. circuit wiring with 4mm sq. multi-strand PVC copper wire, earth wire with DP switches. (1 for ATM)	6	NO		
2	ELECTRICAL FITTINGS & FIXTURES				
a)	Supply, Installation, testing and commissioning of 33-36 watt (2'X2') LED Light above 100 lm/watt fitting complete including necessary connection from 2x1.5sq.mm copper wire in ceiling etc. as reqd. (2 for ATM)	24	NO		
b)	Supply, Installation, testing and commissioning of recess down lighter with assembly complete with 15watt LED Light above 85 lm/watt including necessary connection from 2x1.5sq.mm copper wire in ceiling etc. as reqd..	16	NO		
c)	SITC of 18/20 watt LED Batten above 90 lm/watt including necessary connection from 2x1.5sq.mm copper wire in ceiling etc. as reqd	8	NO		
d)	SITC of 300 mm exhaust fans complete with self opening louvers/shutters etc. complete with suitable wooden/iron frame as reqd	4	NO		
e)	SITC of 400 mm sweep wall fan etc. complete as reqd	12	NO.		
f)	Magnetic EXHAUST FAN:- To provide and fix ISI make magnetic fan for pushing cool air from lobby to back room & needs to be fixed with louvers in partition. (For ATM)	1	NO		
g)	4.5/5 Watt LED strip light for cove with Driver (M/s. Philips Wipro / Bajaj) Complete in all respects.		r.ft.		
3	Main Cable				
	Provided and laying 3.5 x 50 sq.mm. aluminium conductor with 2 no. 8 SWG G.I. wire	55	mts		
4	Generator Connection :- Provided and laying 3.5 x 25 sq.mm. aluminium conductor with 2 no. 8 SWG G.I. wire	65	mts		
5	Providing & fixing Main electrical dist. Board with all internal electrical and generator connections with 25 sq.mm multi strand copper wire, which shall include the following items.				
a	Providing & fixing 3 No. 200 amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of bakelite sheet of thickness not less than 6 mm etc. complete as reqd.	3	No.		
b	(i) A cubical having 200 Amps TPN(Before bus bar) breaking current 20KA, 200 Amps 4 pole Bus Bar(Copper Tinned), voltmeter, ammeter & Digital power factor meter , three indicators, C.T.s. with selector switches & backup fuses (HRC type)	1	No.		
c	200 Amps. Main switch MCCB.	1	No.		
d	Change –over 200 Amps. 3-phase of Havells make.	1	No.		
e	4 way TPDB double door comprising of 1 no. incoming 100 amp isolator & 6 nos. 32 DPMCB (For AC's distribution)	2	No.		
f	4 way TPDB double door comprising of 1 no. incoming 100 amp 4P isolator & 12 nos. 6/10Amp SPMCB (For Lighting and raw power distribution)	2	No.		
g	8 way MCBDB double door in recessed wall including cutting of wall and making good the damages comprising of 1no. 63amp isolator and 6no. 6/10amp MCBs etc. complete as reqd.(For UPS's distribution)	1	No.		
h	ELCB :- Supplying 40 Amp. earth leakage circuit breaker (ELCB)confirming to IS-12640 / 1988 & BS 4293 / 1983 having sensitivity 100 MA and breaking capacity of 10 KA and suitable for 3 Phase and neutral 415V having characteristic quick acting & tripping with all advance features & do not incorporate any electronic component with suitable enclosure box.	1	No.		
i	Design, Manufacture, Supplying and Commissioning Main LT Panel MS 4' X 4' double-door powder coated M.S. Distribution of 1.6mm thick MS sheet fabricated cubicle type with Danger Notice Board indicating sign (DANGER) in English, Hindi, Punjabi. , wall mounted fully recessed / partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming and out going connections with inter connections with copper tapes /wires .	1	No.		
6	UPS PANEL				
	INCOMING				
	1 nos.63 Amp. MCCB 25 KA 3 Pole, bus bar, ms cubical box of suitable size. Voltmeter 500 V, 1 No. Ampere meter 100/5/A, 3 nos. indicator RYB Misc. hardware, Knob, Rubber gas ket.	1	no.		
	OUT GOING FEEDER				
	2 No. 40 amp, 2 pole 2 way change over, 2 no. 40 amp MCB DP, 3 No. 16-32A MCB Including power coated MS cubical box of 16 Gauge sheet suitable size, internal wiring, Bus bar Se-leave RYB, necessary Misc. hardware, Knobs, Rubber Gas Ket, DMC Insulator & Terminal Block.				

7	Providing and laying following sizes of PVC insulated copper conductor flexible wire of 1100V in flexible/solid PVC conduit etc. including making necessary connection complete as reqd.				
a)	2x6 sq.mm with 1.5 sq. mm copper PVC insulated earth wire (For UPS input & output connections)	15	per mtr.		
8	UPS POINTS: P/L & testing electrical three point wiring /circuit wiring having individual circuits for computers with 2.5mm2 Multi-strand copper PVC wire in unbreakable PVC conduits 25mm dia wall thickness 2mm thick with specials under floor / wall & above false ceiling including chase cutting, disposal of malba away from the site and repair of the same with cement mortar, incl. Switches & socket M.S. switch boxes with rust proof treatment size to accommodate the required nos. of Modular switches, sockets etc. & plate type sockets with indicator three in one plate including earthing with 1.00 mm2 multi strand wire complete in all respect.				
a)	Set of 6 amp. 4 sockets & 4 switches	10	pts		
b)	Laying PVC pipe 1" dia 2 mm wall thickness for computer cabling, computer in all respects and avoiding any exposure in customer lobby.	70	mtrs		
9	UPS supply to tube lights: Point wiring / circuit wiring with 1.5mm sq. from D/B to switches & fittings multi strand PVC copper wire including plate switches, sockets, etc. (for payment no. of switches shall be counted).	8	no		
10	Data Cable:- Data cabling work for computer networking starting from mounting rack at suitable position of banking hall with UTP CAT-6e LAN Data cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, Tees, junction boxes including providing and fixing cat-6 I/O plates and SMB complete with all networking accessories etc complete as reqd., testing and ferruling (D-Link/MOLEX/AMP/COMMSCOPE). Note: maximum 6 no. data cable must be run in one PVC pipe.	14	pts.		
a)	supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
b)	supply, installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	1.00	no.		
11	supply, installation, testing and commissioning of factory manufactured CAT-6e patch chord complete with 2 no. connectors etc. complete as reqd.				
a)	1 mtr. Long	14.00	no.		
b)	2 mtr. long	14.00	no.		
12	TELEPHONE Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of PVC box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of PVC box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.	8	pts.		
	Tag Block : Supply, Providing & installing 30 pair PVC Tag Block in hinged type complete as reqd. Tag Block : Supply, Providing & installing 50 pair PVC Tag Block in hinged type complete as reqd.	1	no		
13	EARTHING				
a)	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate	1	Sets		
	i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.				
b)	Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.	2	Sets		
c)	Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.	5	Meter		
d)	Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.	10	Meter		
e)	Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	45	Meter		
f)	Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.	55	Meter		
	Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing				
	25 mm diameter	45	Meter		
14	Earth Box: Providing and fixing suitable size of MS box fabricated with 16 S.W.G. MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing 5mm Bakelite sheet on base connector strip and painting of box etc complete as reqd.	1	Nos.		
15	Electrical wiring for UPS (charging point for UPS): P / F 2 runs of 4mm sq. and one run of 1.5 sq. mm as earth wire multi-strand PVC copper wires from D/B to the location of UPS room for input to UPS in PVC pipe with DP's or 15 Amp. Power plugs and sockets (2 sets: one for input and the other for output) .	6	Nos.		
16	AIR CONDITIONING WORK FOR SPLIT AC's 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.				
a	1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's (FOR 1TR TO 1.5 TR)	90	Meter		
b	5/8" & 3/8" dia. Copper refrigerant pipe - For Hiwall Split AC's (FOR 2.0 TR)		Meter		

17	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.	60	Meter		
18	Supplying & laying of Eletrical flexible cable of 3x2.5sq.mm multi strand suitable for 1.5 Tr H.W Split & 1.00 Tr H.W Split unit between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.	100	Meter		
19	Light Points with CFL & bulb holder provided for security purpose of outside the branch . Light pt. covered with jalli & fixed ceiling or wall as per site	5	No.		
20	Wiring for Lollypop :- 2 core - 4mm 2 copper flexible cable. (For ATM)	30	MTR		
	TOTAL OF ELECTRICAL WORK			Rs.	
	GRAND TOTAL			Rs.	