

UCO BANK					
ABSTRACT OF COST				DATE :	
COMBINE ESTIMATE FOR FURNISHING, ELECTRICAL, H.V.A.C WORK AT UCO BANK SHALIMAR BAGH					
S.NO	ITEM DESCRIPTION	UNIT	QTY	RATES	AMOUNT
A	FURNISHING WORK				
NOTE	Rate should be inclusive of material, labour, tools, machinery, scaffolding, final disposal of debris, cleaning, cutting, wastage, etc. all taxes, transportation etc. complete. GST will be paid as Applicable at the time of payment of Bills. Measurement of height shall be taken from finished floor level up to the level of false ceiling, in case of varying heights on either side of partition, average height shall considered. The rate to include provision of extra frame work as necessary for skirting and making cutouts for electrical switch plates, switch boxes, light fittings light etc. making provision for laying conduit; as per drawings & directions. in case of wood framework to be applied with 1 coat of anti termite wood preservative. SLAB HEIGHT WILL BE 15FT APPROX . Necessary arrangement for fixing of false ceiling, partition should be made accordingly and cost for the same should be included in the individual items rates.				
S NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Providing and fixing in position Full Height Partition 50X50X1.5 mm thick Anodised Aluminium tube frame (MAKE: JINDAL, BALCO, HINDALCO, INDAL) for partitions @ 600 x 600 mm c/c both ways and additionally at openings or ends as required including joining the sections by Aluminium angle cleats, fixing the frames to wall, floor & ceiling with suitable aluminium angles and fastening with steel screws etc. all complete as per Architectural drawings, specifications and directions of EIC. Framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty Aluminium tube corrugated of 1.5 mm minimum thickness with 12 mm thick HDHMR on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. Item includes provision of grooves in desired pattern, finishing the grooves with woodtech filler (asian paints/ nerolac paints) of specified shade. The rate includes provision of extra framework for skirting, niches and making cutouts for electrical switch plates, switch boxes, light fittings, making provision for laying conduits as per drawings & directions. (Basic cost of laminate- 60 rs sqft) MAKE-CENTURY, GREENLAM, ARCHID OR EQUIVALENT)	Sq.Mt.	18.00		
2	Providing and fixing in position Low Height Partition upto height of 1200 mm supported with 50X50X1.5 mm thick Anodised Aluminium tube frame (MAKE: JINDAL, BALCO, HINDALCO, INDAL) for partitions @ 600 x 600 mm c/c both ways and additionally at openings or ends as required including joining the sections by Aluminium angle cleats, fixing the frames to wall, floor & ceiling with suitable aluminium angles and fastening with steel screws etc. all complete as per Architectural drawings, specifications and directions of EIC. Framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty Aluminium tube corrugated of 1.5 mm minimum thickness with 12 mm thick HDHMR on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. Item includes provision of grooves in desired pattern, finishing the grooves with woodtech filler (asian paints/ nerolac paints) of specified shade. The rate includes provision of extra framework for skirting, niches and making cutouts for electrical switch plates, switch boxes, light fittings, making provision for laying conduits as per drawings & directions. (Basic cost of laminate- 60 rs sqft) MAKE-	Sq.Mt.	25		
3	Providing and fixing full glazed glass partition including door with 12 mm thick Toughened Glass fixed to the floor / wall / flase ceiling / partition / panelling with patch fittings moving on double action hydraulic heavy duty floor spring (Hettich/Ozone/Dorma) and pivot on top. The glass is to be machine cut & the surface polished, floor spring to be properly embedded inside the floor spring after cutting and making good the floor and finally covering with Stainless Steel cover plate, The doors are to be provided with Lock fitted to the glass, 600 mm long & 25 mm dia Stainless Steel door handles along with all associated patch fittings (Hettich/Dorma/Godrej)				
	Measurement of height shall be taken from finished floor level up to the finished glass surface. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only. Glass shall be fixed in 2 parts where ever single piece glass is not avaiable with all fixing accessories with no extra cost				
i	Fixed Glass Partition (12 MM)	Sq.Mt.	12		
ii	Frameless Door	Sq.Mt.	4		
iii	Powder coated Aluminium section (1.5" high, 50 micron powder coating) for glass fixing of make Ozone/Hafelle/Dorma/Geze/Enox to be used to fix glass.	Sq.Mt.	1		
iv	Extra for 1200 mm SS long handles (instead of 300 mm long D- handle) as per Architect of make Dorma/ Hettich/ Haffele/ Geze	Each	1		

4	Providing & fixing Single leaf Fire Rated Door of 120 minutes or 2 hours fire rating of make TATA Pravesh/Equivalent/Nitsui as approved of overall size 900x2100 mm. The product should carry 5 years warranty on manufacturing and powder coating.	Each	1		
	Door Leaves constructed from 1.6 mm (12 SWG) thick Galvanized Iron Sheet (conform to IS 277), overall thickness of 46 mm and Rockwool/Mineral wool/Honeycomb craft paper used as in-fill material				
	The door frames are to constructed from 1.6 mm (12 SWG) thick skin pass Galvanised Iron Sheet (conform to IS 277) formed to single rebate profile of size with profile dimesnions 0.143 m x 0.058 m.				
	Vision glass of 6 mm clear float glass of size 0.2 m x 0.3 m				
	The door frame and door shutter are to be coated with Zinc Phosphate Stoving Primer and to be powder coated with epoxy polyester/pure polyester/polyurethane with minimum dry film thickness of 60-65 microns from both sides				
	Stainless Steel Ball bearing butt hinges 0.102 m x 0.076 m x 3 mm - 04 nos per shutter and mortise sash lock with lever handles, necessary hardwares for fitting complete				
	Measurement of height shall be taken from finished floor level up to the outer edge of GI frame and width shall be from outer edge of GI frame to outer edge of GI frame. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only.				
	PANELLING				
5	Providing & fixing Panelling (1.0 mm Thick premium laminate) with frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 25 mm heavy duty Anodised Aluminium tube (MAKE: JINDAL, BALCO, HINDALCO, INDAL) of 1.5 mm minimum thickness with 12 mm thick EDHMR(Exterior Grade) board and 1.0 mm thk. laminate of approved shade. Paneling to have up to 3 Nos. of 50 mm high metallic decorative texture laminate band. Paneling to have 50x35mm teak wood moulding on edges. Panelling to have provision of extra frame work as necessary for skirting, coves and making cutouts for electrical switch plates, switch boxes, light fittings as per directions and complete to the satisfaction of the Bank's Engineer. MAKE- CENTURY, GREENLAM, ARCHID OR EQUIVALENT	Sq.Mt.	75		
6	Extra for Wall Paper (Elemento/ Marshal). Paneling to have 50x35mm teak wood moulding on edges. Panelling to have provision of extra frame work as necessary for skirting and making cutouts for electrical switch plates, switch boxes, light fittings as per directions and complete to the satisfaction of the Bank's Engineer. (Base Price of wall paper to be used to be Rs. 125/ sq.ft.without taxes). MAKE- CENTURY, GREENLAM, ARCHID OR EQUIVALENT	Sq.Mt.	5		
7	Extra for Providing and fixing of 6mm thick toughened planilaque lacquered glass extra white/ coloured with ss edge protection in ss 316 grade. Sample to be submitted from all the approved make for approval of engineer in charge prior to the installation.MTC to be submitted with the delivery of material. MAKE- Saint Gobain, AIS, or equivalent	Sq.Mt.	5		
8	Providing & fixing Designer Panelling with louvers panels on frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 25 mm heavy duty Anodised Aluminium tube (MAKE: JINDAL, BALCO, HINDALCO, INDAL) of 1.5 mm minimum thickness with 12 mm thick EDHMR (Exterior grade) ply and selected items as per design.(basic rate:- 550 Rs sqft excluding G.S.T.). The edges of the glass panels are to be bevelled and rounded from all the sides. basic price of material to be used Rs. 200/sqft. without taxes.)	Sq.Mt.	5		
9	Providing & fixing in position Aluminium Composite Paneling (ACP) with framing of aluminium tube sections (MAKE: JINDAL, BALCO, HINDALCO, INDAL) of 38mmX25mm and 20 gauge at a spacing of 2' center to center both ways. ACP to be of shade as approved by Bank in 2' width panels or distributed equally. ACP sheets to be fixed to the frame with 3M make adhesive along with mirror screws . Joints to be finished with silicon based sealant. ACP sheets to be min. 3mm thick with aluminium foil thickness to be min. 0.25 mm on both sides. Item includes providing additional sections to fix indoor AC units which will be installed at the higher position.	Sq.Mt.	10		
	STOARAGE				

10	Providing & fixing low height box cupboards 450/ 550 mm deep as shown in details with all sides made with 18mm EDHMR(Exterior Grade) board except back side with 6mm thick EDHMR ply. Th efront and top & side to be finished with 1 mm thick laminate finish. Shelves to be 18 mm thk. EDHMR(Exterior Grade) at approx. 400 mm distances with 6 mm ply finished with laminate both sides to be fixed at the back. The shutters to be 18mm EDHMR(Exterior Grade)board with 1 mm laminate (decorative finish) on all exposed & internal surfaces. All shutters to have 2 mm PVC edge binding tape, complete including S.S. (150 mm) long handles magnetic catchers, hinges, locks, tower bolts, etc (Dorma, Hettich, ozone). The item includes interior to be finish with 0.8mm white colour laminate complete to the satisfaction of EI / Architect. Only front elevation to be considered for area calculation. Item shall be modular/ factory made customised as per actual on-site measurements.	Sq.Mt	10		
11	Providing & fixing low height box cupboards 450/ 550 mm deep as shown in details with all sides made with 18mm EDHMR(Exterior Grade) board except back side with 6mm thick EDHMR ply. Th efront and top & side to be finished with 1 mm thick laminate finish. Shelves to be 18 mm thk. EDHMR(Exterior Grade) at approx. 400 mm distances with 6 mm ply finished with laminate both sides to be fixed at the back. The shutters to be 18mm EDHMR(Exterior Grade)board with 1 mm laminate (decorative finish) on all exposed & internal surfaces. All shutters to have 2 mm PVC edge binding tape, complete including S.S. (150 mm) long handles magnetic catchers, hinges, locks, tower bolts, etc (Dorma, Hettich, ozone). The item includes interior to be finish with 0.8mm white colour laminate complete to the satisfaction of EI / Architect. Only front elevation to be considered for area calculation. Item shall be modular/ factory made customised as per actual on-site	Sq.Mt	1		
12	Providing & fixing low height box cupboards 450/ 550 mm deep as shown in details with all sides made with 18mm EDHMR(Exterior Grade) board except back side with 6mm thick EDHMR ply. Th efront and top & side to be finished with 1 mm thick laminate finish. Shelves to be 18 mm thk. EDHMR(Exterior Grade) at approx. 400 mm distances with 6 mm ply finished with laminate both sides to be fixed at the back. The shutters to be 18mm EDHMR(Exterior Grade)board with 1 mm laminate (decorative finish) on all exposed & internal surfaces. All shutters to have 2 mm PVC edge binding tape, complete including S.S. (150 mm) long handles magnetic catchers, hinges, locks, tower bolts, etc (Dorma, Hettich, ozone). The item includes interior to be finish with 0.8mm white colour laminate complete to the satisfaction of EI / Architect. Only front elevation to be considered for area calculation. Item shall be modular/ factory made customised as per actual on-site measurements.(LOWER CABINATE STORAGE /PANTRY)	Sq.Mt	1		
13	Providing and fixing Louvered Shutter Cabinet for main panel fabricated out of 18 mm thick Fire Retardant MDF (FRMDF) (conform to BS 476 Part 7 Class 1) finsihed with putty and fire retardant paint from inside and 1 mm thick laminate of approved make & shade from outside.	Sq.Mt.	5		
	The item to include powder coated MS louvers in both the shutters of the door of size 300 mm x 1.2m				
	The door is to be provided with 12 x 200 mm SS Aldrop, 150 mm SS handles (2 nos), auto closer hinges (3 Nos. per shutter) with necessary screws, harwares. All complete as per approval & instructions of the archietct/ employer				
	Front facia shall be measured for payment. Measurement of height shall be taken from finished floor level up to the finished edge of the cabinet and width shall be from outer edge to outer edge of cabinet. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only				
FALSE CEILING					
	Item includes false ceiling in design with coves & curves, suspending system and frame work shall match layout of A.C. Ducts/ grills, electrical/ fire protection wiring/ fixtures, return air grills, etc. with fixing of existing sprinklers/ smoke detectors etc. to ceiling.				
	Rate to include provision of extra height supports for frame work needed due to layout refered above and fixtures etc. Rates to include necessary scaffolding. (Payment will be done for Gypsum area only)				
	The false ceiling design can be stepped/ curved/ architectural design, cove etc. However only board surface area shall be measured for the purpose of payment. Nothing extra shall be paid for design or curve.				

	Existing floor to slab height may vary on the site. Ceiling shall be hung from the existing slab through hangers. The quoted rate shall be applicable for all floor levels/ all floor height (approx. 4.5 metre floor to floor) including scaffolding etc.				
	The quoted rate of false ceiling items shall include 6 mm ply backing for supporting light fixtures in the false ceiling including making all necessary cut outs & frame work for electrical fixtures/ air conditioning work, coves etc.				
	False ceiling measurement will be of PLAN Area only including all vertices upto 300 MM height, cove design, curve etc.				
	GYPSUM BOARD FALSE CEILING				
15	Providing and fixing 12.5 mm thick tapered edge gypsum moisture resistant board false ceiling in design with coves/ curves at all heights including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS: 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6 mm dia. bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm size of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels of 45x15x0.9 mm size running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every	Sq.Mt.	65		
	Rate includes making necessary cutouts and perimeter channels for lighting fixtures, AC grills etc. Only PLAN surface area shall be measured for payment and no additional payment for kobs or vertex surface upto 1' 0" height. MAKE- INDIA GYPSUM, KNOUF, USG BORAL				
16	Providing & fixing of Mineral Fibre Acoustical Suspended Ceiling system with Dune Max Bevelled tegular edge tiles of 20 mm thickness with sand textured acoustical punchers with NRC 0.7 and 38 MM Silhouette 15mm face exposed grid. The tiles shall have sand texture visual with acoustical punchers, humidity resistance (RH) of 99%, NRC 0.7 as per ASTM C423 standard, CAC of 39db as per ASTM E1414, Light Reflectance ≥84% as per ASTM E-1477, Thermal Conductivity k = 0.052 - 0.057 W/mK, Colour Global White, Fire Performance of class 0/1 as per BS 476 Part 6/7 and Class A as per ASTM E84 with 15mm bevelled tegular edge and 8 mm drop in module size of 600 x 600mm. It shall be suitable for Green Building application, with Recycled content of 49%. The tile shall have certifications from GRIHA and GreenPro thereby confirming that it is an environment friendly product. (Armstrong, USG or equivalent) MAKE- INDIA GYPSUM, KNOUF, ARMSTRONG, AMF	Sq.Mt	30		
	NOTE: False ceiling design can be stepped / curved / architectural design etc however only plan/horizontal surface shall be measured for the purpose of payment. Ceiling shall be hung from the existing slab through hanger's Rate quoted in the tender shall be applicable for all floor levels/ all floor height including scaffolding, etc complete. The rate of false ceiling items also includes 6 mm ply backing for supporting light fixtures in the false ceiling				
	COUNTER/ TABLES/ WORKSTATIONS				
17	Providing and fixing in position Tables with the following specifications:				
	The working top to be fabricated with 18mm thick EDHMR(Exterior Grade) board (Double layer 18+18mm) finished with 1 mm thick laminate and 8 mm thick clear toughened glass with bevelled edges to be provided on top. Table top edges to be 40 mm thk. finished with laminate. Ready made cable manager with matching hole in the top and glass is to be provided.				
	The front fascia/front modesty panel shall be made from 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate. Part of the front fascia shall be finished with Lacquered glass of 6 mm thickness (PLANILAQUE®-saint Govin), of any colour with superior quality natural colour glass silicon / resin / Araldite and wooden beading support as per the drawing				
	The side supports shall be made up from 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate.				
	The drawer unit shall be made from 12 mm thick EDHMR(Exterior Grade) board finished with 1 mm laminate on exposed surfaces comprising of 3 Nos. of drawers upto 400 mm wide & 450 mm deep). The drawer are to be fixed on telescopic channel channels with 100 mm wide SS handles in matt finish and one multipurpose lock per drawer.				
	Telescopic CPU trolley with castors and readymade keyboard tray of size 600 x 270 mm fixed on telescopic channels of approved make shall be provided				

	The item to include 10 mm thick lipping/ teak patti to all edges and all exposed teakwood surfaces / wooden beading are to be finished with melamine polish shade matching with laminate colour				
	The inside surfaces are to be finished with 0.8 mm white laminate				
	Footrest 75x50mm made of 2nd class teakwood member to be fixed in the table.				
	The rate shall include providing all hardware such as drawer channels, S.S. handles, cable manager, lock of approved make				
i	BM Table 2100x900x750(H)mm.	Nos.	1		
ii	Officer Tables 1300-1500x750x750 (H)mm.	Nos.	0		
ii	Assistant Tables 900-1250x600x750 (H)mm.	Nos.	5		
iv	Reception counter in semi circular/linear shape with Customer top 300 mm higher than working top as per design & Details to the satisfaction of Bank's Engineer. The table size to be 1800x750x1050	Nos.	1		
18	Providing and fixing in position Side Table/Credenza with the following specifications:				
	The side table top to be fabricated with 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate and 8 mm thick clear toughened glass with bevelled edges to be provided on top.				
	The front shutters shall be made from 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate and matching edge binding tape on all sides.				
	The side supports shall be made up from 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate.				
	The back side shall be made from 12 mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate from outside.				
	The side table shall be provided with two drawers and one below shutter cabinets divided into two parts and one intermediate shelf made from 12 mm thick EDHMR(Exterior Grade) board finished with 1 mm laminate on exposed surfaces. The drawer shall be upto 400 mm wide & 450 mm deep. The drawer are to be fixed on telescopic channel channels with 100 mm wide SS handles in matt finish and one multipurpose lock per drawer. The shutters are to fixed with hydraulic autocloser hinges, lock on one of the shutters with 100 mm tower bolt.				
	The item to include 10 mm thick lipping/ teak patti to all edges and all exposed teakwood surfaces / wooden beading are to be finished with melamine polish shade matching with laminate colour				
	The inside surfaces are to be finished with 0.8 mm white laminate and edge to be pasted with edge binding tape of matching laminate shade.				
	The rate shall include providing all hardware such as drawer channels, S.S. handles, cable manager, lock of approved make				
i	Side Table for Branch Manager 1050x450x750(H)mm.	Nos.	1		
ii	Side Table for Officers 900x450x750(H)mm.	Nos.	0		
19	Providing and fixing modular type Voucher Tray 900x300x1050 mm deep made out of 18mm thick EDHMR(Exterior Grade) board finished with 1 mm thick laminate of approved make, shade and texture with writing top of 12 mm bevelled edge glass and racks for keeping vouchers and cheque drop box with slit for dropping of cheque, glass for viewing and cup board locking arrangement as per Engineer-in-Charge. All exposed edges to be finished with edge binding tape.	Nos.	1		
20	Providing and fixing in position Looking Mirror of size 600mm x 1500mm in locker room fabricated of 6 mm thick copper back finish looking mirror with bevelled edges fixed on 12 mm thick EDHMR(Exterior Grade) board and 1.0 mm thk. laminate of approved shade on all exposed surfaces. All exposed edges shall be finished with 38mmx19mm teakwood moulding. The looking mirror shall be provided with inbuilt two drawers made from 12 mm thick EDHMR(Exterior Grade) board finished with 1 mm laminate on exposed surfaces. The drawer shall be upto 300 mm wide & 225 mm deep. The drawer are to be fixed on telescopic channel channels with 100 mm wide SS handles in matt finish and one multipurpose lock per drawer.	Nos.	1		
	Make- Quartz / Engineered stone- Neolith, Simpolo, Kalinga, Bathline				

	MISCELLANEOUS				
21	Providing and applying plaster of paris putty of 6 mm thickness over board partitions/ plastered wall surface to prepare the surface even and smooth all complete as per specifications and directions of EIC.	Sq.Mt.	100		
22	Providing and applying two or more coats of 100% premium acrylic emulsion paint having VOC less than 50 gm/ litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance of required/ approved make/ shade (Company Depot Tinted) with silicon additives, applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm all complete as per specifications and directions of EIC.	Sq.Mt.	150		
23	Providing and applying water thinnable cement primer of approved brand and manufacture, on wall surface, having Volatile Organic Compound (VOC) content less than 50 grams/ litre including cleaning the surface all complete as per specifications and directions of EIC.	Sq.Mt.	100		
24	Providing and placing FRP planter of size as mentioned all complete with Natural plants (Raphis or Areca Palm) of height +600 mm as per selection suitable for the planter, item includes regular indoors air purifying plants also includes Fillers and Top Dressing using LECA Balls / Pine Bark /American Pine Wood Mulch (Basic rate of Plants - Rs 1200/-)				
i	Upto 600 mm high and width/dia. upto 400 mm	No.	2		
ii	Upto 300 mm high and width/dia upto 200 mm	No.	4		
25	Providing and fixing in position S.S. name/ sinage plate letters figure as per approved drawing/text. the letter /figure will emboss on plate as per design. The SS 304 grade & 18 gauge thick fixed to wall/door with SS bolt as required all complete as per direction of engineer.	Per Sq inch	1000		
26	Providing and placing Centre table of size 1200 x 600 x 530mm as per following specification:- All made of 18mm thick EDHMR board double layer(18+18mm) finished partly in veneer (basic rate of Veneer Rs. 1200 per Sq. M) and partly in 1.0mm thick laminate (basic rate of laminate Rs. 2200 per sheet) of approved shade. Edges sealed with 6mm thick steam beech wood lipping Base fixed on 75mm high SS leg supports as per design. All wood work and veneer to be protected with melamine polish All complete as per drawing, approval and instructions of the architect /employer.	No.	1		
	TOTAL FURNISHING WORK				
B	ELECTRICAL WORK				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi- stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. Make:-Finolex/Polycab/Haveells.				
	(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.				
a	One light points controlled by one 6 amp. Modular switch for 4ft led light	Nos.	2		
b	Two light points controlled by one 6 amp. Modular switch for 36w panel light	Nos.	9		
c	Three light points controlled by one 6 amp. Modular switch for 2x2 light	Nos.	2		
d	Four light points controlled by one 6 amp. Modular switch for downlighter	Nos.	3		
e	Five light points controlled by one 6 amp. Modular switch for downlighter	Nos.	9		
f	secondary light points controlled by one 6 amp. Modular switch for designer light	EACH	6		
2	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	EACH	1		
3	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be atswitchboard level	EACH	9		
4	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent	EACH	3		
5	One ceiling fan point with step type regulator	EACH	1		
6	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB (Legrand/Schneider) 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 1100Vgrade. Primary	EACH	4		

7	Secondary	EACH	6		
8	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 EACH , for Glow sign Board. Primary Point	EACH	1		
9	POWER POINT :- 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).	EACH	3		
10	Secondary point	EACH	6		
11	A.C. POINT :- Same as serial no.1, but wiring for A/C socket (Crebtree/SOUTHwest/philips) by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	EACH	5		
12	Same as serial no.1, but wiring for A/C socket by using 2*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 of weather proof type 2 way SPN DB complete in all respects controlled by with 32 Amp (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit. Item to also include termination lid between MCB and outdoor unit.	EACH	0		
13	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 40 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.	EACH	0		
14	COMPUTER POINT :- 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 EACH 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	EACH	3		
15	Secondary	EACH	5		
16	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 EACH 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates, metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer incharge. Primary	EACH	1		
17	Secondary	EACH	1		
18	TELEPHONE SYSTEM :- 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. Make:- RJ 11 Carbtrees/Philips.	EACH	7		
19	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. Supplying & fixing 10 pair krone tag block with enclosure.	EACH	1		
20	COMPUTER NETWORKING :- Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat 6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	EACH	14		
21	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable	EACH	1		
22	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	EACH	1		
23	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	EACH	14		
24	Supplying and fixing Patch Cord-1 Meter-	EACH	14		

25	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	RM	45		
26	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	15		
27	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,	RM	55		
28	Supplying, laying, testing & commissioning of 4 C X 25 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,	RM	45		
29	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	RM	10		
30	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				
31	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 (Legrand/Schneider) shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring within the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 6-way TPN DB (LIGHT DB & 6 A raw point) Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:- 12 EACH10/20 Amp (10 KA) SP MCB	EACH	1		
32	6-way TPN DB (POWER DB) Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase. Outgoing:- 12 EACH10/20 Amp (10 KA) SP MCB	EACH	1		
33	8-way SPN DB (UPS INPUT) Incomer:-1 No. 63 Amp TPN Outgoing:- 2 EACH40 Amp DP MCB	EACH	1		
34	4-way V-TPN DB (AC) Incomer:- 1 No. 63 Amp TPN 4 Pole (16KA) MCCB Outgoing:- 3 EACH 32 Amp (10 KA) TP MCB 3 EACH 32 Amp (10 KA) SP MCB	EACH	1		
35	2-way SPN DB with 40 A DP MCB (For UPS Input / output)	EACH	4		
36	12-way SPN DB (For UPS OUTPUT) Incomer:- 1 No. 40 Amp DP (10 KA) MCB with 40 A DP RCCB (100 MA) Outgoing:- 8 EACH6/10/16 Amp (10 KA) SP MCB	EACH	1		
37	8-way SPN DB (For ELOBBY UPS OUTPUT) Incomer:-1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA) Outgoing:- 4 EACH6/10/16 Amp (10 KA) SP MCB	EACH	0		
38	8-way SPN DB (For ELOBBY Light& Power db) Incomer:- 1 No. 40 Amp DP (10 KA) MCB with 40 A DP RCCB (100 MA) Outgoing:- 4 EACH6/10/16/25 Amp (10 KA) SP MCB	EACH	0		
39	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty). FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by PNB/ Architect.Make:- Philips/Wipro/Havells.	EACH	16		
40	Supplying, fixing, testing and commissioning of 15/18 W LED commercial type down lighter of make As specified in tender document or approved by PNB/ Architect. Make:- Philips/Wipro/Havells.	EACH	42		
41	Supplying, fixing, testing and commissioning of 20 W LED T 8 fitting make As specified in tender document or approved by PNB/ Architect. Make:- Philips/Wipro/Havells.	EACH	2		
42	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 PNB/ Architect. Make:-Philips/Wipro/Havells.	EACH	10		

43	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by PNB/ Architect. (METAL BODY) Make:- Cropmton/Orient/Havells.	EACH	1		
44	Ceiling fans 1200 mm dia. make As specified in tender document or approved by PNB/ Architect.	EACH	1		
45	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 PNB/ Architect. Make:-Cropmton/Orient/Havells.	EACH	2		
46	EARTHING SYSTEM :- Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	EACH	1		
47	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).	EACH	1		
48	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required. Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required eith using of copper lug at end termination.	RM	20		
49	MAIN PANEL AND METER BOARD :- Supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. Metal D.B of reputed make with extendible rotary handle and extended connecting links. 1 No. 125 Amps, TPN MCCB (25 KA) with standard enclosure as per manufacturer specification or as approved by the architect/Bank's Engineer	EACH	1		
50	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/XLPE Cable 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, 1 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 (Supertech Power Control/Zeniya/Ampotech/Neptune) or Equivalent as approved by Architect /Bank.	EACH	1		
	Type of Approval as instructed by the PNB/ 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 / PNB. Floor panel shall consists of : - INCOMER FROM MAIN LINE 1 No. 125 Amps, TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault. BUSBARS 150 amps TPN pole busbar chamber of suitable length with copper busbars. 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 EACH current transformers of 125/5A ratio, 10 VA Class-1.0 metering. - 1 sets				
	Red/Blue/Yellow three phase indicating lamps with SP MCB backup protection. OUTGOINGS:- 1 Nos 40A TPN MCCB (16 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. For capacitor Bank. 1 Nos 63A TPN MCCB (16 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. For AC VTPN, INCOMER FROM MAIN PANEL BUS BAR. 1no. 125 Amp 4-P On Load Change over switch with 1 No. 125 Amps, TPN MCCB (25 KA) with extendible rotary handle. BUSBARS 125 amps TPN pole busbar chamber of suitable length with copper busbars. 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 EACH current transformers of 100/5A ratio, 10 VA Class-1.0 metering. - 1 sets OUTGOINGS:- 1 Nos 63A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For PDB) 2 Nos 40A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection. to Bus bars. (For LDB & Spare) 2 Nos 40A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For ATM & BRANCH UPS) 3 Nos 40A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For ATM & SIGNAGE,SPARE) The electrical panel as described above and specifications complete.				
	TOTAL ELECTRICAL WORKS(B)				0.00
C	HVAC/A.C. WORK				
1	EXTRA REFRIGERANT PIPING Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0/1.5/ 2.0 TR Split type AC and 2.0 TR/ 3.0 TR/4.0 TR Cassette AC - From Indoor to outdoor Units (Make : RR cable) For 1.5 TR/ 1.0 TR Split AC as specified by the manufacturer	MTR.	75		
2	For 2.0 TR/ 3.0 TR/4.0 TRCassette as specified by the manufacturer	MTR.	0		
3	DRAIN PIPING :- Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer (make as approved by Architect/ Bank). 25 mm dia PVC drain pipe for Split AC	MTR.	70		
4	32 mm dia PVC drain pipe for Cassette AC	MTR.	0		
5	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 6" c/c welded with 40 X 3 mm MS flat all- round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer. For 1.0/ 1.5/ 2.0 TR Hi Wall split units	EACH	5		
6	For 2.0/ 3.0/4.0 TR TR ceiling mounted cassette unit	EACH	0		
7	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0/1.5 TR Split type AC (make as approved by Architect/ Bank).	MTR.	80		
8	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 2.0T/ 3.0T Cassette type AC (make as approved by Architect/ Bank).	MTR.	0		
9	Supplying, installation and commissioning of voltage stablizer of range 170-280 V for Acs (Make : V-guard/ Livguard/ Kirnotics). For 1.0 / 1.5 Tr. Wall mount (4 Kva)	EACH	5		
10	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ make as approved by Architect/ Bank).	EACH	0		
	TOTAL A.C WORK (C)				
D	SALVAGE ITEMS / BUY BACK				
1	Removing, shifting and buy back on "as is where is basis" "existing old & unserviceable" furniture items from existing premises. Contractor to quote individual rates not below reserve price (RP). In case, contractors quote rate below the reserve price, comparative position shall be worked out on the basis of reseve price only.				
a	Wooden Counter, Reserve Price = Rs. 1200/- each	Nos	2		
b	Table, Reserve Price = Rs. 1,000/- each	Nos	1		
c	Wooden Storage, Reserve Price = Rs. 400/- per sqm	sqm	1		
d	Wooden Partition, Reserve Price = Rs. 200/- per sqm	sqm	5		
e	Alumunium Partition, Reserve Price = Rs. 500/- per sqm	sqm	2		
f	False ceiling including GI frame, Reserve Price = Rs. 50/- per sqm	sqm	10		
g	MS Grill, Reserve Price = Rs. 500/- per sqm	sqm	0		
h	Ac copper pipe , Reserve price - 100 per meter	Mtr.	30		
i	Electrical fitting,wiring and panel Reserve price - 18000/- Rs	EACH	1		
	TOTAL OF BUYBACK WORK (D)				
SUMMARY					
	GRAND TOTAL				
(Note : GST should be paid extra as applicable)					
					Authorised Registered Signature
	Pages : 1 to 10				
	Place : Delhi				

NOTES-

* Material should be disposed off within 24hours.

* Shifting of office table and furniture etc. during the concurrence of work will be in scope of the Contractor.

* Green safety net to be installed by the contractor on external facade from top to bottom without any additional cost.

* Wherever required, the contractor will provide temporary plywood partition inside the premises for separating office area from area of repair without any additional cost.