

BILL OF QUANTITY					DATE:
BOQ FOR FURNISHING, CIVIL & ELECTRICAL WORK FOR OFFICE PREMISES AT UCO BANK KAMLA MARKET DELHI					
S.NO	ITEM DESCRIPTION	UNIT	QTY	RATES	AMOUNT
1	Providing and fixing in position Full Height Partition with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) 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.	Sq.Mt.	32		
	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, the vertical GI members to be fixed to RCC ceiling or to be joined with False ceiling framing with screws but the area of partition payable will be below the false ceiling only. 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, nothing extra for designing and provision of niches and vertical sections.				
2	Providing and fixing in position Low Height Partition upto height of 1200 mm supported with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. 10 mm thick acid wash glass is to be fixed with SS clamp at the exposed edges of the partition. Item includes 2nd class teakwood / pine wood beading corner chamfered of size 75 X 25 mm. All exposed woodwork to be high gloss melamine polished after using proper masking tapes while polishing to prevent any damage to laminate	Sq.Mt.	9		
	Measurement of height shall be taken from finished floor level. 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, nothing extra for designing and provision of niches and vertical sections.				
3	Providing and fixing full glazed glass partition including door with 12 mm thick Toughened Glass fixed to the floor / wall / false 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 available with all fixing accessories with no extra cost				
a	Fixed Glass Partition	Sq.Mt.	13		
b	Frameless Door	Sq.Mt.	4		
4	Providing & fixing Glazed Door 30 mm thick flush door with 10 mm teak wood lipping on all sides finished with 1.0 mm thick laminate of approved shade fixed on both sides and provision of vision panel of size 150 mm X 1500 mm having 12 mm thick float glass fixed with 10 mm thick teakwood lipping. The door is to be fixed to wooden frame of 2nd class teakwood/sal wood members of size 75 x 75 mm and the frames is to be fixed with partition / wall with holdfast / GI fastner. The door is to be provided with cylindrical lock, door closer, spring loaded SS Door stopper, heavy-duty SS ball bearing butt hinges 100 x 5.5 mm (4 Nos. per shutter) with screws. All wood surfaces to be treated with 2 coats of Fire retardant paint Viper of navair/equivalent and finally finished with malamine polish complete to the satisfaction of Bank's Engineer.	Sq.Mt.	1		
	Measurement of height shall be taken from finished floor level up to the outer edge of wooden frame and width shall be from outer edge of wooden frame to outer edge of wooden 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.				

5	Providing & fixing Solid Flush Door 30 mm thick flush door with 10 mm teak wood lipping on all sides finished with 1.0 mm thick laminate of approved shade fixed on both sides. The door is to be fixed to wooden frame of 2nd class teakwood/sal wood members of size 75 x 75 mm and the frames is to be fixed with partition / wall with holdfast / GI fastner. The door is to be provided with 12 x 200 mm SS Aldrop, 150 mm SS handles (2 nos), 200 mm long SS tower bolt, door closer, spring loaded SS Door stopper, heavy-duty SS ball bearing butt hinges 100 x 5.5 mm (4 Nos. per shutter) with screws. All wood surfaces to be treated with 2 coats of Fire retardant paint Viper of navair/equivalent and finally finished with malamine polish complete to the satisfaction of Bank's Engineer.	SQM	4		
	Measurement of height shall be taken from finished floor level up to the outer edge of wooden frame and width shall be from outer edge of wooden frame to outer edge of wooden 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.				
6	Providing & fixing Single leaf Fire Rated Door of 120 minutes or 2 hours fire rating of make TATA Pravesh/Equivalent as approved of overall size 900x2100 mm. The product should carry 5 years warranty on manufacturing and powder coating.	Each	0		
	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 dimensnions 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.				
7	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.	2		
	The item to include powder coated MS louvers in both the shutters of the door of size - 300 mm x 1.2 m				
	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				
	Front facia shall be measurement 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.				
	SUB TOTAL : I : PARTITTIONS AND DOORS				
II	PANELLING				
1	Providing & fixing Panelling (Laminate) with frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) 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.	Sq.Mt.	50		

	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, area of panelling payable will be below the false ceiling only. In case of varying heights on either side of panelling, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
2	Providing & fixing Panelling (Wall Paper) with frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) and 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).	Sq.Mt.	5		
	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, area of panelling payable will be below the false ceiling only. In case of varying heights on either side of panelling, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
	SUB TOTAL : II : PANELLING				
III	FALSE CEILING				
	Item includes providing False Ceiling in plane, curve shape and design. Suspending system and frame work shall match layout of A.C. ducts / grills, electrical / fire protection wiring / fixtures, return air grills etc. Rate to include provision of extra frame work, necessary scaffolding needed due to layout of other utilities refered above and fixtures etc. (Measurement shall be taken of the plan area. Cove design and verticle sections shall be measured in sqm)				
1	Providing and fixing Gypsum Board False Ceiling at all heights with INDIA GYPSUM ULTRA/approved make main ceiling sections at 1200 c/c and cross members at 450 c/c of INDIA GYPSUM/approved make . The grid work to be suspended from ceiling with hangers at every 1200 c/c in both directions. The Frame work to be as per manufacturer's specifications. 12.5 mm thk. GYPBOARD/approved make to be screwdrd to the frame. The board to be finished with filling the tapered edges of the board with jointing compound and finishing with paper tape of INDIA GYPSUM/approved make. The ceiling to be finished with a top coat (plastic emulsion paint with 'Velvet Touch' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray) as per manufacturer's specification along with provision of all necessary cut outs for electrical / air conditioning grills and necessary frame work including cove and curve designs etc. complete to the satisfaction of Bank's Engineer.	Sq.Mt.	60		
2	Providing and fixing False Ceiling with Mineral Fibre Acoustic Ceiling Tiles of Armstrong/ USG/ Boral with MICROLOOK edges and having noise reduction properties laid on exposed grid system with 15mm wide Silhouette type T-section flanges of white colour, main runners spaced at 1200 mm c/c securely fixed to the soffit of structure with approved hangers at 1200 mm maximum c/c. Flush fitting 1200 mm crossed tees to be interlocked between main runners at 600 mm c/c to form 1200 x 600 modules. 1200 mm cross tees to be crimped. 600 x 600 module to be formed by fixing 600 mm long flush fitting cross tees centrally between the 1200 cross tees. Ceiling tiles of Dune Premier of size 600 x 600 x 15 mm (thk.) to be placed in the grid. Rate to include making necessary cut-outs or openings for light fixtures, air conditioners and other utilities etc. complete to the satisfaction of Bank's Engineer.	Sq.Mt.	30		
	SUB TOTAL : III : FALSE CEILING				
IV	COUNTER/ TABLES/ WORKSTATIONS				
1	Providing and fixing in position Tables with the foloowing specifications:				
	The working top to be fabricated with 19 mm thick Moisture Resistant Grade Commercial Block Board finshed 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 19 mm thick Moisture Resistant Grade Commercial Block 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 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate.				
	The drawer unit shall be made from 12 mm thick Moisture Resistant Grade commercial ply 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				
a	BM Table 2100x900x750(H)mm.	Nos.	1		
b	Officer Tables 1300-1500x750x750 (H)mm.	Nos.	1		
c	Assistant Tables 900-1250x600x750 (H)mm.	Nos.	4		
d	Reception counter/ Help Desk 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.	0		
e	Banking Counters 750(W)x750(H) mm in straight/curved shapes but the top and front fascia finished with 6 mm thick high density acrylic solid surface up to 1200 mm including polishing, edge moulding and Lacquered glass of 6 mm thickness (PLANILAQUE®-saint Govin) of any colour with superior quality natural colour glass silicon / resin / Araldite up to 400 mm width on the fascia as per drawing	R.Mt.	0		
f	Meeting Room Table , Top made up of 12 mm toughened glass polished and bevelled on Stainless Steel frame of 50 mm diameter tube (4 numbers) - 600 (diameter)x750 (H)mm	Nos.	0		
2	Providing and fixing in position Side Table/Credenza with the following specifications:				
	The side table top to be fabricated with 19 mm thick Moisture Resistant Grade Commercial Block 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 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate and matching edge binding tape on all sides.				
	The side supports shall be made up from 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate.				
	The back side shall be made from 12 mm thick Moisture Resistant Grade Commercial plywood 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 Moisture Resistant Grade commercial plywood 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				
a	Side Table for Branch Manager 1050x450x750(H)mm.	Nos.	1		

b	Side Table for Officers 900x450x750(H)mm.	Nos.	1		
c	Side Tables for Banking Counters 900x450x750(H)mm but top to be finished with 6 mm thk. high density solid acrylic surface including polishing, edge moulding	Nos.	0		
3	Providing and fixing modular type Voucher Tray 900x300x1050 mm deep made out of 19 mm thick Moisture Resistant Grade Commercial Block 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		
4	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 moisture resistant MDF (interior grade) 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 Moisture Resistant Grade commercial plywood 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.	0		
	SUB TOTAL : IV : COUNTER/TABLES/WORKSTATIONS				
V	STORAGE CUPBOARDS				
1	Providing & fixing Storage with the following specifications:				
	The top to be fabricated with 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate				
	The front shutters shall be made from 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate and matching edge binding tape on all sides.				
	The side supports shall be made up from 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate.				
	The back side shall be made from 12 mm thick Moisture Resistant Grade Commercial plywood finished with 1 mm thick laminate from outside.				
	The storages shall have continuous vertical partitions at every 900 mm with 19 mm thick Moisture Resistant Grade Commercial Block Board finished with 1 mm thick laminate and intermediate shelf at every 300 mm made from 12 mm thick Moisture Resistant Grade commercial plywood finished with 1 mm laminate on exposed surfaces. All shutters shall be provided with one lock for two shutters, auto closing hydraulic hinges (2 nos. per shutter), brass catchers, 100 mm long S.S. brush finish handles, SS studs for intermediate shelf, 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 as mentioned above				
	Grooves to be finished with woodtech filler (asian paints/ nerolac paints) of matching shade to laminate				
	Note: Only front elevation shall be considered for area/ quantity calculation and payment.				
a	Low Height Storage up to 1200 mm high and 450 mm deep	Sq.Mt.	11		
b	Pantry Storage (Shutters under Platform) 600 mm deep	Sq.Mt.	0		
c	Pantry Storage (Overhead Unit) 400 mm deep	Sq.Mt.	0		
	SUB TOTAL : V : STORAGE CUPBOARDS				
VI	MISCELLANEOUS				
1	Providing and fixing polyester based Digital Glass Deco Film (3M) laser cut as per design complete to the satisfaction of Bank's Engineer.	Sq.Mt.	2		
2	Providing and placing in position Center Table of size 1000x600x450 mm with 40mm teakwood legs 62.5x35 mm teakwood frame at top with 10 mm machine cut polished, bevelled brown glass fixed on SS spacers on top. The table to be finished in melamine polish complete.	Each	0		

5	Providing and painting Synthetic Enamel Paint with 'Tractor - enamel' after removing old paint & preparing the base for the same with primer and applying 2 or more coats of paint as per manufacturer's specifications etc. complete to the satisfaction of Bank's Engineer.	Sq.Mt.	11		
6	Providing and fixing Wooden decorative ceiling with 4mm thk. Veneer in pu polish finish as per design. The framework to be as per manufacturer's specifications. Item includes providing extra support for fixing light fixture complete to the satisfaction of Bank's Engineer.	Sq.Mt.	3		
SUB TOTAL : VI : MISCELLANEOUS					
TOTAL FURNISHING WORK					
B	CIVIL WORKS				
2	Half brick masonry (115 mm) in Cement mortar 1:4 (1 cement : 4 coarse sand) with F.P.S. bricks of class designation 75 at all levels upto floor five level including providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of masonry, finishing all complete.	Sq.Mt.	15		
3	Providing and applying 12-15 mm cement plaster of mix 1:6 (1 Cement :6 fine Sand, consisting of 50 % coarse and 50 % fine) in two layers on outside brick wall surfaces, including racking joints, hacking, curing, scaffolding etc. complete as per drawing, specifications and as directed by Bank's Engineer complete in all respects.	Sq.Mt.	23		
4	Repair and Renovation and laying full body Double Charged Vitrified tiles in flooring including 4" high skirting (Basic rate of tile is Rs. 700/- per Sq.mt. i/c transportation) of homogeneous composition of size 600 mm x 600 mm (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and confirming to IS : 15622 of approved shade and pattern. Tile to be laid on 20 to 50 mm thick cement mortar 1:4 (1 cement:4 coarse sand) including filling the joints with white cement slurry mixed with pigment to match the shade of the tile, leveling of floor if required, covering it with plaster of paris to avoid damages & complete cleaning prior to handing over. All complete as per drawing, approval and instructions of Engineer-in-Charge. (Make: HR Johnson/Somany/RAK/Kajaria/Marbitto)	Sq.Mt.	5		
5	Providing and laying Pantry Slab with 100 mm thick RCC 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 20mm nominal thickness) to make a uniform base with 12 mm MS bars placed at 150 mm c/c both ways along the length with provision for embedding 115 mm into the existing/new walls including shuttering work for casting the slab and removal of shuttering complete as per instructions of the Bank's Engineer.	Sq.Mt.	1		
6	Providing and fixing 18 mm thick Granite of any colour and shade (Basic rate of stone Rs. 1500/- Sq.mtr) gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	Sq.Mt.	1		
TOTAL CIVIL WORK					
C	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.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	One light points controlled by one 6 amp. Modular switch	Nos.	4.00		
ii	Two light points controlled by one 6 amp. Modular switch	Nos.	6.00		
iii	Three light points controlled by one 6 amp. Modular switch	Nos.	1.00		
iv	Four light points controlled by one 6 amp. Modular switch	Nos.	3.00		
v	Five light points controlled by one 6 amp. Modular switch	Nos.	8.00		
vi	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1.00		
vii	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level	Nos.	6.00		

viii	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	2.00		
ix	One ceiling fan point with step type regulator	Nos.	1.00		
x	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade.				
a	Primary	Nos.	1.00		
b	Secondary	Nos.	1.00		
xi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 16 Amp MCB two Nos. , for Glow sign Board.				
a	Primary Point	Nos.	2.00		
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly).				
a)	Primary point	Nos.	2.00		
b)	Secondary point	Nos.	4.00		
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	5.00		
3(b)	Same as serial no.1, but wiring for A/C socket by using 2*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.	Nos.	0.00		
3(c)	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.	Nos.	0.00		
4	COMPUTER POINTS				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter.				
	Primary	Nos.	4.00		
	Secondary	Nos.	6.00		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 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	Nos.	1.00		
	Secondary	Nos.	1.00		

B.	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for telephone socket with shutter, RJ 47 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	3.00		
1.2	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
a)	Supplying & fixing 10 pair krone tag block with enclosure.	Nos.	3.00		
2	COMPUTER NETWORKING				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	12.00		
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		
2.3	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	8.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	8.00		
C.	CABLES, MAINS & SUBMAINS				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	10.00		
ii	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	10.00		
iii	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminium conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (, LIGHT PLUG DB, UPS Room & Power DB).	RM	5.00		
iv	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, Clamps etc. as required as per specification (AC DB).	RM	0.00		
v	Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated aluminium conductor armoured cable including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (for Main Connection)	RM	0.00		
D.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissioning of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland/ knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				

	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed.				
a	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 Nos.10/20 Amp (10 KA) SP MCB	No.	2.00		
b	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 Nos.10/20 Amp (10 KA) SP MCB	No.	2.00		
c	8-way SPN DB (UPS INPUT) Incomer:- 1 No. 63 Amp TPN Outgoing:- 2 Nos.40 Amp DP MCB	No.	1.00		
d	4-way V-TPN DB (AC) Incomer:- 1 No. 63 Amp TPN 4 Pole (16KA) MCCB Outgoing:- 3 Nos. 32 Amp (10 KA) TP MCB 3 Nos. 32 Amp (10 KA) SP MCB	No.	1.00		
e	2-way SPN DB with 40 A DP MCB (For UPS Input / output)	No.	1.00		
f	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 Nos.6/10/16 Amp (10 KA) SP MCB	No.	1.00		
g	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 Nos.6/10/16 Amp (10 KA) SP MCB	No.	1.00		
h	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 Nos.6/10/16/25 Amp (10 KA) SP MCB	No.	1.00		
E	LIGHT FITTINGS & ACCESSORIES				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).				
i	FULL GLOW 2 X 2 LED 32 W slim Smart Panel of make As specified in tender document or approved by UCO BANK / Architect. Make : RR Global/ Havells/ Phillips	Nos.	14.00		
ii	Supplying, fixing, testing and commissioning of 15/18 W LED commercial type down lighter of make As specified in tender document or approved by UCO BANK / Architect. Make : RR global/Havells/Phillips	Nos.	20.00		
iii	Supplying, fixing, testing and commissioning of 20 W LED T 8 fitting make As specified in tender document or approved by UCO BANK / Architect. Make : RR global/Havells/Phillips	Nos.	6.00		

iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation supporting fittings of Led strip light (5 mtr.) make as specified in tender document or approved byUCO BANK / Architect. Make : RR global/Havells/Phillips	Nos.	4.00		
vii	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 UCO BANK / Architect. Make : RR global/Havells/Phillips	Nos.	2.00		
			TOTAL ELECTRICAL WORK		
SUMMARY					
			TOTAL FURNISHING WORK		
			TOTAL CIVIL WORK		
			TOTAL ELECTRICAL WORK		
			SUB -TOTAL (A+B+C)		
			G.S.T. (.....)		
			GRAND TOTAL SAY RS.		
(Note : Tax should be paid extra as applicable)					
			Authorised Registered Signature		
	Pages : 1 to 11				
	Place : Delhi				
	Date :				
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.					