

UNITED COMMERCIAL BANK					
SHAHPUR JAT BRANCH					
DELHI-110049					
	BILL OF QUANTITY			Date:	
BOQ FOR COMBINE WORKS FOR RENOVATION OFFICE PREMISES AT UNITED COMMERCIAL BANK AT SHAHPUR JAT BRANCH.					
S.No.	Description of Item	Unit	QTY	Rate	Amount
A	CIVIL WORK				
1	Supply and laying 18 mm thick cement plaster with adding SBR polymer Ultratech/SIKA/Dr. Fixit bonding agent and waterproofing liquid 2% of weighth of cement in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	SQMT.	40.0		
2	Providing and constructing brick masonry of Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level for Cement mortar 1:4 (1 cement :4 coarse sand) or as per the direction of Engineer-in-charge.	SQMT.	10.0		
3	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	SQMT.	10.0		
4	Water proofing on Toilet and Pantry Providing & applying polymer modified, flexible cementitious negative side waterproofing coating with elastic water proofing polymers on sunken portions in three coats @14.35 kg /10 SQMT.. one coat of self priming of cementitious waterproofing polymer (dilution with water in the ratio of 1:1) and two coats of cementitious water proofing polymer	SQMT.	20.0		
5	Coloured Ceramic tiles (300 x 600) mm in dado in Toilets /pantry P & L 1st quality medium light colored Ceramic tiles (satin finish) of 300x 600 mm size in dado . The job includes joint finishing, with the help of white cement & cement color, cleaning etc. complete. The shade, design, thickness and size of the tiles should be uniform. At all vertical or horizontal exposed right angled junctions the tiles should be fixed after chamfering the tiles to get the hairline joint at all right angles. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as far as possible. The job include wetting tiles for six hours and providing the base course plaster in C.M. 1:4 on brick walls to form good key for fixing tiles as per specification, cleaning etc. complete. The rate shall include of making the surface rough before putting plaster for perfect grip. Actual on site visible area will be considered for the measurement purpose. Entire work shall be executed in complete line & level. The entire work to be coordinated with the electrical work. It shall be laid in complete line & level. (Approved Make- Johnson, NITCO, Somany, Kajaria, Orient) (Basic Cost of tile- Rs. 45 / Sqft including GST)	SQMT.	41.8		
6	P & L Ceramic tiles in Floor - 300 mm x 600 mm (Utility Areas) P & L plain, medium / dark colored plain / designed 1st quality Matt finished Ceramic tiles of 600 x 600 mm size & suggested make in floor with required thickness having 25 th. top layer in C.M. 1:6 as bedding material & below 25 mm th. upto required depth shall be filked with cinder concrete with PCC 1:2:4 as cushioning layer. & with proper gradient & drops as suggested. The job includes joint finishing, with the help of white cement & cement color, cleaning etc. complete. The shade, design, thickness & size of the tiles should be uniform. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as par as possible. The job include wetting tiles for six hours & roughing the base course to form good key for fixing tiles, cleaning etc. Complete. Actual on site visible area will be considered for the measurement. The job includes putting of bedding material as infill material required to fill the sunk / raised areas. It shall be laid in appropriate gradient (Approved Make- Johnson, NITCO, Somany, Kaiaria, Orient)	SQMT.	7.4		

7	P & L Vitrified tiles in Floor - 600 x 600 mm / double charged glossy finish P & L 1 st quality, plain colored vitrified tiles in flooring of size 600 x 600 mm, with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, including providing sufficient thickness (as / req. of the site) @ 60 mm c.m. 1:6 as bedding material. The job includes joint finishing with the help of white cement, cement color, with joint filler of approved make, cleaning etc. complete in all aspects. The shade, design, thickness and the size the tiles should be uniform. The tiles are to be fixed in suggested pattern, joined with suggested color cement slurry in joints. proper fixing level should be maintained. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as far as possible. The job includes fixing white tap on joints of the tiles, laying 3 mm thick floor bubble guard immediately after laying the tiles & removing the same after completion of entire work including all other agency's work. Actual on site laid quantity will be considered for the measurement purpose. Rate to include cutting the tiles for floor ducts and lids of electrical, computer and telephone wires in coordination with electrical contractor and cleaning the same, curing etc. complete in all aspects as specified and directed by the Engineer/Architect. (Approved Make- Johnson, NITCO, Somany, Kajaria, Orient) (Basic Cost of tile- Rs. 50 / Sqft including GST)	SQMT.	10.0		
8	Granite : Providing and fixing in position first quality granite platform for washbasin in He and She toilet as per approval. Including wash basin area cutting, shall be fixed complete with wall with cement mortar (1:3) or adhesive compound material and filling complete including polishing & moulding as per direction of Engineer-in-charge.	SQMT.	6.0		
9	SLIDING WINDOW : P & F two/three track anodizing aluminum sliding window with 5 mm thick clear glass. The outer frame should be heavy suitable size sections with tracks on all the sides & drain tray system for the bottom frame. The shutters should be of suitable for series - B (Shutter section - 18 mm) heavy (approx. 1.5 mm thick) sections for top & bottom member & for vertical with 5 mm. thk. Tinted reflective float glass & imported beading shall be used. Windows will have all req. Hardware such as Maruti locks cum handles, sliding system wool gasket etc. Silicon sealant shall be applied on external & internal sides of the windows. The entire window shall be finished in white or as per selection shade, anodizing aluminum. The windows will have necessary provision in case of window ac units with required additional member with wood in filled.	SQMT.	4.0		
10	Finishing walls with in design/ pattern Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 SQMT. over and including priming coat of exterior primer applied @ 2.20 kg/10 SQMT.) including removal of splashes etc or as per direction of Engineer-in-charge. (Asian/ Nerolac/Berger).	SQMT.	120.0		
11	Distemping with washable emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer or as per direction of Engineer-in-charge.(Asian/ Nerolac/Deluxe)	SQMT.	120.0		
12	Finishing with Enamel paint for interiors and exteriors using Primer as per manufacturers specifications Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 SQMT. over an under coat of primer applied @ 0.80 ltr/ 10 SQMT. of approved brand and manufacture as per direction of Engineer-in-charge.(Asian/ Nerolac/Deluxe)	SQMT.	10.0		
TOTAL OF CIVIL WORK(A)					

B	PLUMBING ACCESSORIES				
1	Water Closet Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete. as per direction of Engineer-in-charge. Cera EWCs CAMPBELL S1053127 or equivalent make and design approved from architect (including removing, dismantling & disposal old fixture away from complex) (Jaguar/Kohler/Cera/Hindware).	Each	2.0		
2	Wash Basin Providing and fixing white vitreous CALBURT MINI table top wash basin 440X440X135 mm with 300 mm bottle trape, as per direction of Engineer-in-charge. Cat. No. S2020155 or equivalent make and design approved from architect (Jaguar/Hindware/Cera).	Each	2.0		
3	Sensor Urinal Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. : make and design approved from architect (including removing, dismantling & disposal old fixture away from complex) (Jaguar/Hindware/Cera).	Each	0.0		
4	Kitchen Sink Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required, Kitchen sink without drain board 470x420 mm bowl depth 178 mm, (Jindal/Neelkanth/Hindware).	Each	1.0		
5	CPVP Pipe Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including operating ball valve at each floor in every line including testing of joints complete as per direction of Engineer in Charge. (NOTE: concealed work including cutting chases and making good the walls etc.) as per direction of Engineer-in-charge. (Astral/Prince/Supreme)				
a	20mm nominal outer dia pipes (concealed)	Rmt	20.0		
b	25mm nominal outer dia pipes	Rmt	15.0		
c	32mm nominal outer dia pipes	Rmt	15.0		
d	40mm nominal outer dia pipes	Rmt	0.0		
e	50mm nominal outer dia pipes	Rmt	0.0		

6	Soil Waste and Rain Water PVC Pipe Type-B class Providing and fixing PVC pipes on walls/floor including fixing the joints with specialized jointing solutions/ PVC solvent and fixed with G.I. clamps including cutting holes and making good the walls etc. items includes providing and fixing pipes fittings special such as door bend, horn bend, plain bend, cowl, sockets, door "T", "Y" junctions (both singles and double), nehani trape, P & S trape etc. complete make Supreme as directed of Engineer-in-charge.				
a	For 100mm pipes	Rmt	15.0		
b	For 150mm pipes	Rmt	0.0		
7	Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all- arounds S.W. pipes including bed concrete as per standard design or as per direction of Engineer-in-charge.				
a	For 100mm pipes	Rmt	0.0		
b	For 150mm pipes	Rmt	0.0		
8	Providing and fixing square - mouth S.W gully trap class SP-1 complete with C.I. grating bricks masonry chamber with water tight C.I. cover with frame of 300X300mm size (inside) the weight of cover to be not less than 4.50kg and frame to be not than 2.70kg as per standard design, with sewer bricks conforming to IS :4885.	Each	2.0		
9	Providing & fixing C.P. brass stop cocks of approved make complete as per instructions at site or as per direction of Engineer-in-charge. F850077CP (Make -Hindware or equivalent from make list).	Each	1.0		
10	Providing & fixing C.P. brass two way bib cocks of approved make completes as per direction of Engineer-in-charge at site. F1018211 Make -Cera or equivalent from make list).	Each	2.0		
11	Providing & fixing brass sensor faucet pillar cock with chrome finish of approved make F240001CP (Centerset Installation Type) complete with all necessary fitting as per direction of Engineer-in-charge. (Make -Hindware / Cera or equivalent from make list).	Each	2.0		
12	Providing & fixing C.P. brass angle valve of approved make complete as per direction of Engineer-in-charge. F1016201 (Make -Cera or equivalent from make list).	Each	4.0		
13	Providing & fixing C.P. brass connection pipes of requisite length with C.P. nuts & bolts at either end complete as per direction of Engineer-in-charge. Connecting Hose 2.0 ft. F8070402 (Make -Cera or equivalent from make list).	Each	2.0		
14	Providing & fixing health faucet with hand shower of approved make complete as per direction of Engineer-in-charge. F8030301 (Make -Cera or equivalent from make list).	Each	2.0		
15	Providing and fixing toughened glass urinal division partition 10mm thick 1200 height, 485 top width, 300 bottom width and 225 radius curve top edge with frosted film including appropriate fixing on wall with 38X38 L-bracket, edge rubbing and polishing complete as per Engineer-in-charge.	Each	0.0		
16	Providing and fixing sets of Bathroom Accessories of reputed brand and matching designs with concealed/ hidden screws strictly upon approval by architects/ engineer-in-charge. The cost shall include proper and careful fixing of all sets with Galvanised countersunk screws and nylon gattis as required without damaging existing pipelines, conduits, cables, wires, switchboards or any such item concealed inside wall below the tiles. The fixing must be in proper level and at places as directed by the architects/ engineer-in-charge.				
17	Providing and fixing Dolphy silver chrome finish 400 ml soap, shampoo, liquid dispensesoap dispenser, durable finish standard, rust proof unique wall design high strengt APS plastic body, push botton system as per direction of Engineer-in-charge. (Prestige/ABS/King Ware)	Each	1.0		
18	Providing and fixing S.S. Towel Rod (One bar 18 Inch-Chrome) as per selection of Architect/Engineer -in-charge.	Each	1.0		

19	Providing and fixing LED LIGHT Mirror 1500X1500mm of make modiguard/ saint gobain complete with flat polished edges, fitted on site on 12 mm ply base and with wooden lipping border as per approval pasted on the ply with silicon adhesive, and fitted with stud-head screws (minimum 6 nos average per location) complete as per direction of Engineer-in-charge.	Each	2.0		
	TOTAL OF PLUMBING ACCESSORIES(B)				
C	FURNISHING WORK				
1	WOODEN PARTITION - Providing and fixing double skin wooden partition TYPE-1 having of 48*36 MM GI Stud framing at 600 MM C/c with horizontal bracing in staggered fashion at 600 MM c/c including floor and ceiling channels as per drawing or as per manufacturer specification/drawings for dry wall partition and wall/column panelling (up to bottom of slab) and all as per the drawings and specifications. The cost includes labor, materials, wastages, lead, lifts, hardware, any additional bracing as per site requirement etc. complete as per the instructions and to the satisfaction of the Project Manager. The cost shall also includes additional channel supports required to GI stud due to existing service ducts, provision for all electrical, networking boxes which shall be installed on 25mm x 25mm x 1.2mm thick extruded aluminum "L" angle screwed onto partition framework at required heights/levels as directed. Actual Area to be measure & Cladding shall be measured Separately. GI Sections - ISI mark. Partitions shall be finished on both sides with laminate (1MM THK) of approved shade and colours including inlay, Teakwood lipping etc. shall be provided where required including provision for items like soft board/ white board, electrical switchboards, telephone and electrical wiring etc. where required (but excluding the cost for the items). The cost shall be included finishing with melamine polish of aproved make with approved shade and finish including thorough cleaning, rubbing and surface preparation, application of primer, sealers, and final coat as required. All glazed openings in partitions having 8 mm thick glass /designer glass as per architect design shall be counted in.				
a	FULL HEIGHT - Full height solid partition with glass in storage/cabin/pantry/machine room/record room. This framing would be covered by 12mm thick commercial ply with mica	SQMT.	11.2		
b	LOW HEIGHT - Low height solid partition upto 4'-0" height with glass in cage cabin/work station/cubical. This framing would be covered by 12mm thick commercial ply with mica	SQMT.	7.4		
2	CLADDING - Panelling / cladding: Providing and fixing, 6mm thick commercial ply panelling on wall. Framing shall consist of 48*36 MM GI Stud framing at 600 MM C/c with horizontal bracing in staggered fashion at 600 MM c/c including floor and ceiling channels as per drawing or as per manufacturer specification/drawings for dry wall partition and wall/column panelling (up to bottom of slab) and all as per the drawings and specifications This framing would be covered by 12mm thick commercial ply with mica. Wooden moulding, lipping etc. The cost shall include providing and applying sealers and fillers on all exposed surfaces etc. and finishing with Melamine Polish of approved make with approved finish including thorough cleaning, rubbing and surface preparation, application of primer, sealers, and final coat.	SQMT.	27.9		

3	GRID FALSE CEILING - Providing, fixing and finishing Grid False Ceiling GI Metal Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/SQMT. (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending(including additional copper finished / steel finished as per architect design) . The boards design and texture shall be upon approval of the engineer in charge. The cost shall include all fittings and materials complete including proper installation and provisioning etc. complete in all respects.	SQMT.	69.7		
4	WORK STATION - Providing and fixing laminate finished Officers work station table (4'-6"X2'-6") without side storage (supported on drawer units in laminated ply construction with provision only for ebco make keyboard trays (cost included) as shown in drawing & cable slot in tops, drawer units having single drawer and cabinet below, The table edges shall be double thick, visible ply surfaces shall be finished with laminate of three colours including inlay etc if required. The cost shall be complete with lippings, mouldings, plain ebco drawer channels, accessories, hinges etc as per specifications. The cost shall include providing and applying putty sealers and fillers on all exposed lipping/ wooden surfaces etc. and finishing with satin finish synthetic enamel of approved shade and finish including thorough cleaning, rubbing and surface preparation. Provisioning for data and electrical cables below tops on or inside partitions shall be included in the cost as per drawings. Use 19mm thick solid board with 1MM thk mica (all hidden portion finished with enamel paint as per Banks approved). Hardware of EBCO / Hettich - Make as specified	EACH	4.0		
5	MANAGER TABLE - Providing and fixing laminate finished Officers manager table (5'-6"X2'-6") with side storage (supported on drawer units in laminated ply construction with provision only for ebco make keyboard trays (cost included) as shown in drawing & cable slot in tops, drawer units having single drawer and cabinet below, The table edges shall be double thick, visible ply surfaces shall be finished with laminate of three colours including inlay etc if required. The cost shall be complete with lippings, mouldings, plain ebco drawer channels, accessories, hinges etc as per specifications. The cost shall include providing and applying putty sealers and fillers on all exposed lipping/ wooden surfaces etc. and finishing with satin finish synthetic enamel of approved shade and finish including thorough cleaning, rubbing and surface preparation. Provisioning for data and electrical cables below tops on or inside partitions shall be included in the cost as per drawings. Use 19mm thick solid board with 1MM thk mica (all hidden portion finished with enamel paint as per Banks approved). Hardware of EBCO / Hettich - Make as specified	EACH	1.0		
6	TOUGHENED GLASS - Providing and fixing 12mm thick Toughened Glass for partition / Doors (single/double shutter) swing type door openable both sides made out of 12 mm thk. clear toughened plain glass, edge polished fixed and finish as per drawings and specifications fixed provision of locking system as per approval, 25mm dia S.S. 304 brush finish pull handles as per approval and as per approved design complete. Each door shall be treated individually with complete set of accessories to be provided on each door.	SQMT.	4.6		

7	STORAGE/CUPBOARD/CABINATE - Providing and fixing laminate finished Side storage / cupboard / low height storage in laminated ply construction as shown in drawing. The storage edges shall be double thick, visible ply surfaces shall be finished with laminate of three colours including inlay etc if required. The cost shall be complete with lippings, mouldings, plain ebco drawer channels, accessories, hinges etc as per specifications. The cost shall include providing and applying putty sealers and fillers on all hidden area and finishing with satin finish synthetic enamel of approved shade, finish including thorough cleaning, rubbing and surface preparation. Use 19mm thick solid board with mica (Internal white Laminate 1 MM THK and external Laminate 1 MM THK as per Banks approved shade in 3 colours. Hardware of EBCO / Hettich - Make as specified	SQMT.	20.4		
8	DOOR CLOSER - Providing and fixing Door closers on doors (Make Ozone) including all packing, levelling, etc. as required and upto the architects satisfaction.	EACH	2.0		
9	FLOOR SPRING - Providing and fixing Floor Spring including all packing, levelling, etc. as per directions, complete.	EACH	1.0		
10	Bought Out Items: (Approximate costing for the purpose of estimation only, these items may be bought directly from the market and actual billing may be done)				
a	C2- Officer / workstation / visitor chairs costing for Low Back, swivel type chairs with handrests and castors, as per direction of quality and design	EACH	0.0		
11	FROSTED FILM - Providing and fixing Translucent Garware Frosted Film as per directions, complete.	SQMT.	4.6		
12	DISMANTLING - Dismantling/demolishing exist panelling, partition, work station as per site requirement and all the unusable material/malba shall be removed from the site and unusable materials shall be stacked properly so that there is no hindrance for staff and public. all work must be done by contractor.	Job	1.0		
Total of (C) Furnishing Work					
D	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 (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.	EACH	8.0		
ii	Two light points controlled by one 6 amp. Modular switch.	EACH	4.0		
iii	Three light points controlled by one 6 amp. Modular switch.	EACH	6.0		
iv	Four light points controlled by one 6 amp. Modular switch For cove	EACH	6.0		
v	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch With call bell	EACH	1.0		
vi	One wall fan/ ceiling/ exhaust fan point with 6 amp 3-pin socket	EACH	6.0		
vii	Same as serial no 1 but using 2*2.5 + 1*2.5 SQMT.m 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 SQMT.m copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	EACH	2.0		
b	Secondary Point looped	EACH	1.0		
2	POWER POINTS				

	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*2.5 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 2.5 sq.mm earth wire from D.B. to first point 1st socket and 1st to 2nd, 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) max 3 points per circuit.)				
i	Primary Point	EACH	1.0		
ii	Secondary Point	EACH	2.0		
3(i)	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.	EACH	3.00		
3(ii)	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 of 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)	EACH	0.00		
4	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	1 X 8 SWG Cu wire for earthing in PVC Conduit.	RM	15.0		
ii	2 X 6 sq.mm. + 1 X 6 sq.mm. (DB TO SB)	RM	30.0		
iii	4 X 10 sq.mm. + 2 X 6 sq.mm.	RM	0.0		
iv	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (LIGHT DB)	RM	0.0		
v	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (POWER DB & UPS)	RM	10.0		
vi	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (VTPN).	RM	0.0		
vii	Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum 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 (Mains).	RM	0.0		
5	(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 Fixtures should be covered with minimum 3 Years onsite replacement warranty & Commercial pattern). WIPRO,TISVA,PHILIPS				
i	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by UCO/Architect.	EACH	12.0		

ii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by UCO/Architect.	EACH	18.0		
iii	Supplying, fixing, testing and commissioning of 9 W LED commercial type down lighter of make As specified in tender document or approved by UCO/Architect.	EACH	0.0		
iv	LED 12watt MIRROR Light with all accessories.make As specified in tender document or approved by bank	EACH	2.0		
v	LED cove light necessary installation fittings. make as specified in tender document or approved by UCO/Architect.Commercial				
a)	15FT LONG	EACH	2.0		
b)	3' feet cove light	EACH	1.0		
c)	2' feet cove light	EACH	1.0		
vi	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a)	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by UCO/Architect. (Metal Body)	EACH	0.0		
b)	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by UCO/Architect. 350MM -2EACH 300MM - 8EACH	EACH	3.0		
6	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the lenght, from the I/O hub to the point.	Nos.	13.0		
i	Supplying and fixing 12U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key). (Make : D Link - NWR-12U-5555-GR-2F-EK-SA)	Nos.	1.0		
ii	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.(D-link)	Nos.	1.0		
iii	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	13.0		
iv	Supplying and fixing Patch Cord-1 Meter-	Nos.	14.0		
7	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Waterless Maintenance Free Earthing Based on Pre-Casted Conductive Earthing Electrode Work should be executed through either Bank approved agency or M/S Information technology (ITPC) Contact:9811067053/9717983433 i) Dimensions Length x Dia (MM) : 2000 x 100 with 16mm Solid Conductor (Cu) ii) Conduction: Non Ionic Movement of Ions iii) Multi Point Dissipation Contacts iv) Exceeds Grade 25 Concrete v) Environment: Ph Neutral Internal Material vi) Relative Density: 890-990 kg/m3 vii) 3000 times more effective than Bentonite viii) Electrolytic Corrosion Resistance: >86% reduction in corrosion ix) Short Circuit Current (Tested): Peak: 40 KA RMS: 22 Kilo Amps for 1 Sec x) Mechanical Strength: >Grade 25 Concrete xi) High Fault Current Test Withstand: 1686 V for 500 ms xii) Standards: IEEE 80:2000 & BS 7430 xiii) Warranty: 10 Years Full Replacement xiv)Life of Earthing: 25 Years respectively xvi) Make: KRATONITE / ITPC-METCHEM / ARC-IMPULSE (Earthing certificate to be submitted along with the bill).	Nos.	1.0		
2	Providing and fixing of Copper strips in surface or in recess for loop earthing etc. as required.				

i	Copper Strip (PVC insulated heat shrinkable sleeves) of size 25 x 3mm as in earth continuity conductor fixed to wall or buried in ground or any other situation for loop earthing as required at site (Quantity depend on Site Requirement)	RM	10.0		
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for earthing along with the existing surface/ recess cable as required. From pit to the panel & UPS	RM	10.0		
ii	25 mm x 5 mm GI strip	RM	5.0		
iii	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.	RM	10.0		
TOTAL FOR ELECTRICAL WORKS(D)					
E	A.C. WORK				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Carrier/ Voltas) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (All coils – copper only), fan and fan motor, machine control panel improved Refrigerant Joints, .Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R32/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe and connecting wires in between I/D 20 mm up to 3 Mtr length). Item to include powder coated outdoor stands as per the manufacturer specifications.				
a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	0.00		
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3.00		
2	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 TR/ 2.0 TR Split type AC and 3 TR/ 4.0 TR Cassette AC (From Indoor to outdoor Units).				
a	For 1TR/2 TR High Wall split as specified by the manufacturer	Mtr.	10.00		
b	For 3 TR/ 4TR Cassette as specified by the manufacturer	Mtr.	10.00		
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.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	10.00		
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	10.00		
4	Providing and fixing Stabilizer with 3 step relay and input voltage range of 140-280 V and output to be 230 V (Blue bird/ Logic state/ Inline/ V-gourd) (copper winding).				
a	4 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	1.00		
b	5 KVA (For 2.0 TR Split AC)	Nos.	0.00		

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 @ 5" 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.				
a	For 1.0/ 1.5/ 2.0 TR Hi Wall split units	Nos.	1.00		
b	For 3T/4Tceiling mounted cassette unit	Nos.	0.00		
6	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5 TR/ 2.0 TR Split type AC.(Wire-4core 2.5sq.mm)	Mtr.	5.00		
7	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 3.0/4.0 TR Cassette type AC.(Wire-4core 2.5sq.mm)	Mtr.	10.00		
8	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	EACH	1.00		
			TOTAL FOR A.C. WORKS(E)		
F	DISMANTLING WORK				
1	Dismantling to be done in parts as per the instructions with proper support and covering of other areas from dust and falling debris, coordinating with other contractors/ agencies. Item includes removing, cleaning and disposing of unserviceable items from the premises up to all leads and lift to space/dumping yard earmarked by local authority. Item also includes taking permissions from the concerned departments/ building authority or MCD, as required. Including costs of all necessary measures, safety features, nets, scaffolding, cleaning after disposal etc. Any damage to property, structure shall be repaired/made good by the contractor at his own cost no payment shall be made in this regard to contractor. Carefully dismantling /removal of existing furnishing at branch i.e. its false ceiling, partitions, cabinets, paneling, furniture, door, electrical conduits and fitting and air conditioning work	JOB	1.00		
SUMMARY					
	TOTAL OF CIVIL WORK(A)				
	TOTAL OF PLUMBING WORK(B)				
	TOTAL OF FURNISHING WORK(C)				
	TOTAL OF ELECTRICAL WORK(D)				
	TOTAL OF A.C. WORK(E)				
	TOTAL OF DISMANTLING WORK(F)				
	SUB- TOTAL				
	GST (..... %)				
	GRAND TOTAL RS.				
	SAY TOTAL RS.				
(Note : Tax should be paid extra as applicable)					
		Authorised Registered Signature			
	Pages : 1 to 5				
	Place : Delhi				
	Date :				
NOTE:- Makes of Sanitary Wares, A) Sanitary Wares - Parryware, Hindware in White Colour, B) Seat Covers - Patel, Commander, C) Kitchen Sink - Neelkanth, Jayna, Nirali, D) C.P. Fittings - hindware/Parryware, E) C.P. Accessories - Picasso, F) Bottle Trap - Parko, G) Health Faucet - Continental, H) PVC Tanks - Sintex, I) UPVC - Tata, Jindal (Hissar) - B Class, J) G.I. Fittings - UNIK, K) C.I. Pipes & Fittings - R.I.F., L) Gate/ Ball Valves - Leader. M) G.I. Fittings - UNIK, N) C.I. Pipes & Fittings - R.F.I. (Note : All Shaft Pipe Fitting In C.I. Pipe).					