

DETAILED ESTIMATE / SPECIFICATION FOR BILL OF QUANTITIES
OF FURNISHING WORK FOR INDIAN BANK BRANCH INDIRA NAGAR

Sl.no	Description of items	Unit	Qty.	Rate	Amount
		Sft	195.00		
1	<u>A.C.P Paneling of entrance & ATM</u> Providing and fixing in position aluminum composite panel boxing with PVDF coating and LDPE core laminate Eurobond / alto bond / composite of (0.5 mm-33-0.5mm) including fabrication for the same with aluminum sections required hardware, silicon sealant (dow corning 789) masking tape necessary scaffolding etc. as detailed in drawing no. 11 complete in all respect				
		Sft	730.00		
2	<u>False ceiling (Armstrong)</u> Providing and fixing in position false ceiling in Armstrong 600 x 600mmx15/16mm dunesupreme RH99 primatiles with regular edge framework as specified by Armstrong Co. with suspenders wherever required. Main g necessary framework for A.C. ducting if any and necessary cutouts for diffusers and light fittings, taping and finishing to roper line and level including making grooves and trap doors for A.C. unit in 18 mm thick M.R. grade plywood with stainless steel hinges and licks with molding 1" x 1" for edges including finishing with white plastic emulsion paint etc. complete in all respect. (Note :- only the plan area will be measured for payment no extra payment will be made for cutouts, grooves molding etc.)				
		Sft	1058.00		
3	<u>False Ceiling (Gyp Board)</u> P/F Suspended False Ceiling Gyp Board with G.I. Perimeter channels G.I. Intermediate Channels Etc. properly suspended from ceiling with Nylon/G./I. strips sleeves and Screws 12.5 Mm tapered edge Gyp board (confirming To I.S.2095-1982) ceiling tiles to be screw Fixed to the ceiling section with 25mm dry Wall screw mechanically at 230C/C and Finished with jointing compound paper tape And two coarse of primer and two coats of plastic paint complete as per design Including perimeter channels required for Light fitting cut out Grill diffusers etc.				
		Sft	125.00		
4	<u>Entrance Door For Branch & ATM</u> Providing and Fixing in Position toughened glass door with 12 mm thick toughened glass with 3M security film complete in all respects with 2 Ozone patch fittings including top patch (OPF-02), BOTTOM PATCH (OPF-03) angle lock (OPL-01) TOP PIVOT (OFS-ACC-GDP) Floor Spring (FS8400) and handle (OGH-55) 32mm x 457 mm all item included.				
		Rft	9.00		
5	<u>Cash counter:</u> Providing and fixing in position cash counter 2'-9" wide as per drawing no. (2-A,2-B,2-C,2-D,2-E,2-F) comprising of the following: i) Working top made with 25mm thick plywood finished with 1mm thick laminate, Outside edge of the working top shall be provided with 1¼" x 1" teak wood molding finished with melamine polish. Inside edge will be provided with ½" x 1" TW beading Patti with melamine polish.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
	ii) Vertical fascia (apron) made with 18 mm thick plywood finished with 1 mm thick laminate with 1 mm thick groove at the joint of laminates of the two different shades.				
	iii) Vertical drop (horizontal band) shall be provided on the fascia below the working top made with 18 mm thick plywood finished with 1 mm thick laminate with provision for concealed light, 1 mm thick grooves shall be provided at the joint of two different shades of laminates.				
	iv) Glazed partition of 1'-4" height above working top provided with 12 mm toughened and frosted glass besides non-transparent film from inside fixed to partition as per fixing details and to boxing with concealed S.S. finished 'D' brackets as shown in the drawing. The exposed edges of the glass shall be finished in mirror polish.				
	v) Transaction top shall be provided with 12 mm thick toughened glass (partly glazed partly frosted) fixed horizontally with concealed stainless steel D bracket. Both exposed edges (inside and outside) shall be moulded and finished in mirror polish.				
	vi) Glazed partition having height 1'0" above the transaction top (in fascia) shall be provided with 12 mm thick glass (clear) with cutout of 8"x4" as per drawing. The edges of cutout and the top edge of glass are to be mirror polished and to be fixed to partition as per fixing details and to boxing with concealed S.S. finished 'D' brackets as shown in glass (clear) above the slit to be fixed to partition as per fixing details and to boxing with concealed S.S. finished 'D' brackets as shown in the drawing. The exposed edges shall be finished in mirror polish.				
	vii) 7'-7" high boxing (10"x10") made with 18 mm thick plywood as per drawing with 1-6" horizontal extension at the top including providing and fixing 6 mm thick square frosted glass at a height of 5" - 11" above finished floor level.				
	viii) 1'-9" high boxing (5"x5") made with 12 mm thick plywood finished with 1 mm thick laminate are to be provided.				
	ix) Telescopic CPU stand/ready made keyboard tray shall be provided of approved model and make.				
	x) Footrest made with TW member of size 4"x1½" finished with french polish.				
	xi) Drawer units as per drawings shall be provided and each drawer should have vertical partitions for keeping the currency notes and multipurpose Godrej locks. Facia of drawer unit shall be finished with 1 mm thick laminate. The drawer will be provided with handles (stainless steel finish) and channels as per approval of the project consultant/bank.				
	xii) Boxing as per drawing made with 12 mm thick plywood finished with 1 mm thick laminate provided below the table top for electrical conduiting and at the bottom for the LAN cabling/telephone wire conduiting.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
	The item to include all necessary hardware and fittings in stainless steel finish, lipping to all edges and making provision only for electrical fitting behind the vertical drop and also in the 10"x10" boxing as shown in the drawing. Necessary beadings with matching melamine polish for fixing the glass are to be provided as per drawing/as directed.				
6	Front office counter:-	Rft	27.00		
	Providing and fixing in position front office counter 2'-6" wide as per drawing no. (1-A, 1-B, 1-C, 1-D & 15 comprising of the following complete in all respect.				
	i) working top made with 25 mm thick plywood finished with 1 mm thick laminate. Outside edge of the working top shall be provided with 1.25" x 1" teakwood moulding finished with melamine polish. Inside edge will be provided with 1/2" x 1" T.W. beading pattern with melamine finish.				
	ii) Vertical fascia (apron) made with 18 mm thick plywood finished with 1 mm thick laminate with 1 mm groove at the joint of laminates of two different shades.				
	iii) Vertical drop (horizontal band) shall be provided on the fascia below the working top made with 18 mm thick plywood finished with 1 mm thick grooves shall be provided at the joint of two different shades of laminate.				
	iv) Glazed partition above working top to be provided with 12 mm thick clear glass cut to the standard shape fixed to partition as per fixing details and to boxing with concealed S.S. finished 'D' brackets as shown in the drawing. The exposed edges of the glass shall be finished in mirror polish.				
	v) 3'-10" high boxing (10"x10") made with 18 mm thick plywood finished with 1 mm thick square frosted glass at a height 3'-2" above finished floor level.				
	vi) 1'-9" high boxing (5"x5" made with 12 mm thick plywood finished with 1 mm thick laminate.				
	vii) vertical supports made with 18 mm thick plywood finished with 1 mm thick laminate				
	viii) Telescopic CPU stand/ready made keyboard tray shall be provided of approved model and make.				
	ix) Foot rest made with TW member of size 4"x1 1/2" finished with french polish.				
	x) Drawer units as per drawings shall be provided with multipurpose Godrej locks in each drawer. Facia of drawer unit shall be finished with 1 mm thick laminate and all other sides shall be finished with 1 mm thick laminate. The drawers will be provided with handles (stainless steel finish) and channel as per approval of the project consultant/bank.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
	xi) Boxing as per drawing made with 12 mm thick plywood finished with 1mm thk laminate shall be provided below the table top for electrical conduiting and at the bottom for the LAN cabling/telephone wire conduiting.				
	The item to include all necessary hardware and fittings in stainless steel finish, lipping to all edges and making provision only for electrical fitting behind the front. Vertical drop and also in the 10"x10" boxing as shown in the drawing. Necessary beadings with melamine polish for fixing the glass are to be provided fixing the glass are to be provided.				
7	Partly glazed full height partition	Sft	263		
	Glazed Partition (upto false ceiling height only considered and above necessary ceiling support to be provided) with Anodized Aluminium framework, heavy sections (2mm thickness) of 2"x1.5" section, spacing of 2'0"x2'0" on both sides and covered with 9mm thick BWR plywood finished with 1mm thick laminate of skirting & border on both sides. Above 1'0"/2'6"/3'0" height partition, fixed with 8.0mm bevelled glass with 3mm sticker works door and teak wood beading with duco paint. Clear glass shall be finished with frosted film sticking over the glass of approved pattern and design. Rate to include providing cutouts and provisions for electrical conduits, switches, etc.. Cost to include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift and etc. Complete as per drawings and instructions of the Architect.				
	The job shall also include for provision of laying conduits, switch boxes etc. The erection of partition shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories, all complete up to the satisfaction of the Architect.				
	All door opening shall have rebated teak wood framework (size - 75mm x 50mm, as per profile) on vertical (2 Nos.) and horizontal (1 No.) sides, with melamine finish and rebate of 40mm x 12mm, all complete up to the satisfaction of the Architect.				
	the partition and doors shall have hinges floor springs/sliding arrangement/hydraulic door closer, mortise locks (Godrej make all), etc. The rate shall include cost of all materials, labour, T&P, wastages, etc. required for proper completion of work, all complete to the satisfaction of the Architect.				
8	<u>Partly glazed partition for cash cabins</u>	Sft	180.00		
	Decorative Grill (12mm thk)-hexagonal opening as per instruction of Bank's Engineer/Architect.) All exposed edges of Plywood shall be fixed with 1/8" C.P. Teak Lipping.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
0	Providing and fixing of Cash Enclosures at height of 7'-4" with Anodized aluminium framework, heavy sections (2mm thickness) of 2"x1.5", spacing of 2'0"x2'0" on both sides and covered 6mm thick BWR plywood finished with 1mm thick laminate of blue, red colours for skirting & borders. Partitions shall have provision for opening and 19mm BWR plywood tray for chalan receiving purpose. Cost include aluminium grill and fixed with teak wood beading and duco paint. Cost also include 3 Nos of Solid core flush Doors with sizes of 2'6"x7'0", fixed in the partition. Door shall have teak wood beading and lipping with duco paint. Door finished with 1mm thick laminate of white colour for base and red & blue for skirting of approved pattern. Door shall have 8mm glass fixed with teak wood beading and duco paint. Rate to include hardware's like brass hinges, godrej three nos of night latch, door closure, door stopper and handles. Cost also include cash transaction opening shall be provided with door arrangements made with BWR plywood frame work finished by laminate, duco paint and locking system. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift and etc. Complete as per drawings and instructions of the Architect.				
	Solid till 4'-0" then Aluminium Decorative Grill height till 7'-0" then again solid				
9	Partly glazed low height partition	Sft	130.00		
	Same specification as in 1 but P/F half height partition of height 4'-6" with wooden laminate till 3'-0" and 1'-6" height 12mm thick glass secured with D brackets including all hardware necessary with the same specs. as above.				
10	Providing and fixing Wall Panelling consisting of 2"x1" 18 gauge section placed at 2'0"x2'-0" horizontally and vertically with Unanodised Aluminium size 1.5mm thick of INDAL/INDAL confirming to ISI 303 standard as internal frame structure (as per site requirement) framework. The framings shall be fixed with 8mm thick MR grade ply + 6mm MDF of approved make firmly screw to the aluminium frame on either side finished with 1mm th (high gloss or texture) laminate as per approved sample. Item includes providing and fixing 12x12mm steem beech wood beading	Sft	788.00		
	making 6 mm grooves complete with polish & melamine spray finish on wood surface/grooves as per architectural drawings finished with 1mm thick laminate. Item includes providing and fixing 100mm wide skirting of 1mm thick metallic laminate as per approved sample. Note: Surface measurement for one face & visible areas below false ceiling will be made for payment.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
11	Tables				
A	Manager's Table with Side credenza including the 12 mm thick glass	No	1.00		
	Providing and placing in position tables with top, vertical sides/dividers, skirting and modesty panel made out of 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) on all exposed surfaces. It shall also have 75mm x 40mm teak wood runners below the top and for footrest below. Every table shall be provided with a side unit (size - W-500mm, H-750mm, D-500mm approx.), consisting of 150 mm deep drawer at top and a cabinet with open able/hinged shutter below.				
	The fascia of drawer and shutter of cabinet below shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom/internal of drawer shall be made out of 12mm thick water proof ply. The side unit shall have CAM locks, handles, guides, sliding units, hinges, magnetic catcher etc. of approved make. Every table shall be provided with a keyboard drawer unit (size - W-550mm, H-100mm, D-300mm approx.) below. The table shall have 100mm deep fascia, below the top, in which keyboard drawer unit shall be adjusted. It shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom/internal surface of drawer shall be made out of 12mm thick water proof ply. The unit shall have CAM locks, handles, guides, sliding units etc. of approved make.				
	The job shall include for 6mm x 6mm grooves in between sides and openable drawers and hinged shutters. All the exposed edges of water proof board and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect. Every table top shall be provided with 10 mm thick float glass (as per profile) with polished and beveled (25mm wide) edges all complete to the satisfaction of the Architect.				
B	Officer Table size 4'-6" x 2'-6" x 2'-6" With Side Table including the 12 mm thick glass	No	3		
	SPECIFICATION AS PER MANAGER TABLE (PART-A)				
12	<u>Full height storage/low height storage/back storage (credenza)</u>	Sft	150		
	Providing and fixing in position full height storage/low height storage/back storage (credenza) as shown in drawing no. (8) (9) and (10) respectively using plywood of required thickness finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint as detailed therein.				
	The storage unit shall be provided with handles (stainless steel finish) as per approval of the project consultant/bank.				

Sl.no	Description of items	Unit	Qty.	Rate	Amount
Sl. No.	Materials	Approved manufacturers/suppliers			
1	Paint	I.C.I. (Dulex - Duco) / Asian paints / Goodlac Nerolac			
2	Plywood	BWR- Century/Green/Archid/Corbeltonly Premium quality			
3	Woodpreservative	BWR- Century/Green /Archid/Corbeltonly Premium quality			
4	Falseceiling	Armstrong, Indiangypsumboard			
5	Laminates	Sunmica/ Archid/Century/Green/Corbeltt 1mm thick as per bank approved color			
6	Screws	G.K.W./Nettlefold			
7	Adhesive	FevicolSH			
8	Nightlatch	Godrej			
9	Locks	Godrej			
10	Aluminiumdoorframe	Jindal			
11	Glass	Modi/Asahi/SaintGobain			
12	Aluminium cladding	Eurobond/Altobond/Alukbond			
13	Keyboarddrawer	EBCO			
14	TelescopicCPU stand	EBCO			
15	Cableorganiser(wiremanager)	EBCO			
16	Vitrifiedtiles	JhonsionsPerlto			
17	Venetionblind	Vista,Luxaflex			

PROJECT-ESTIMATEFORELECTRICALWORKS.					
BANK-INDIANBANK					
BRANCH-INDIRANAGAR					
S.NO.	PARTICULARS	Unit	Qty	Rate	Amount
	A -Electrical wiring (All switches to be Modular type- Anchor/ Havells or equivalent approved by architect)				
	Light & Fan points				
1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
a	Light points + AFF points including the cost of 6A switch	Point	75		
b	Ceiling Fan Point including the cost of 6A switch along with electronic regulator	Point	4		
c	Wall Fan Point along with 6A switch	Point	16		
d	6A switch & Socket on SDB	Point	16		
2	RAW POWER POINT				
	Single Power Points - Supply & Installation of point wiring for Raw power plug points on workstations/table for computers using 2X2.5 + 1x1.5 Sq.mm copper conductor PVC sheathed flexible wire pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 16A, 2/3/5 pin sockets & 1 No. 16A Switch wired together forming one point. The earth wire of green color only. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank.	Point	15		
3	AIR CONDITIONING				
1	AIR CONDITION POINTS - Circuit wiring with 2x4.0 sq.mm + 1x 1.5 sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) in 19mm MS conduit pipe heavy duty 16swg laid & concealed in wall/floor/panelling/partitions or above false ceiling as per requirement. The job includes supply & fixing of flush mounted 4 in one appliance protector pre-wired, IP20 with factory fitted 25A, 2P MCB and 25A socket (Hagers/Siemens/ABB). The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank.	Point	9		

1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
4	UPS				
A	Sub Main Wiring/ Cabling - : SITC of sub main wiring 4nos. 10 sq.mm Stranded copper wires for UPS Input from main incoming panel to incoming Db of UPS power input system etc. in 25mm dia PVC heavy duty conduit complete to the satisfaction of the bank.	JOB	2		
B	UPS Power Input System: SITC of 4way TPN Double door Db IP 42 horizontal Complete with 1no. Incoming 32A. TP MCB and 3 x 32A 2P MCB's to regulate supply for UPS complete in all respect as required and to the satisfaction of the bank.	Set	2		
C	Wiring for UPS Input & UPS Output (For both Critical 2Kva & Non-Critical 3Kva UPS) with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank.	JOB	2		
D	S/F of 32A 2P MCB in 2way metallic box including proper connections thru lugs. Both the Db's shall be inter looped- Qty included in item 3. (2nos. For ATM and 2nos. For Branch)	Each	2		
E	UPS Output Power Distribution System: SITC of 12way SPN Db Double door IP -43 Siemens make with 32A DP 10kA MCB and 09 nos. SP 10kA MCB complete in all respect and as required & to the satisfaction of the bank. Siemens/ L&T/ MDS/ Schnider	Set	2		
F	Input Wiring for UPS Db's with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex/Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the	JOB	2		
G	Supply & fixing of 4nos. 6A switches & sockets (Modular type c/w MS/GI box & cover plate) complete with computer point circuit wiring with 2x2.5sq.mm + 1x1sq.mm stranded Cu. Single core Copper conductor or (Finolex/Anchor/RPG) to be laid in PVC conduit 1" dia/vertical drops heavy duty laid & concealed in wall/ floor/ panelling/partitions or above false ceiling as per requirement.	Per No de	13		
5	MAIN INCOMING PANEL & DISTRIBUTION				
A	SITC of 100A Kit kats fuse unit 3nos in wooden patra complete with 100Amp. Neutral link complete in all respect as required.	Set	1		
	1 No for Metre				

1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
	1 no for Panel to Outer Side Of Wall (For Generator Connection)				
B	Main Incoming Panel				
	Supply, Installation, Testing & Commissioning of main distribution board panel fabricated of 18swg (powder coated) comprising of	Nos.	1		
	Indicator lamps 3 nos.				
	Voltmeter & ammeter (one each)				
	Rotary selector switches 2 nos for voltmeter & ammeter				
	Busbar (each of RYB+N) copper 100 amp each				
	125 Amp MCCB (Siemens/L&T/ABB/Schneider) incoming 3P adjustable 25kA				
	Changeover TPN 100 amp for DG set (Havells/ABB/Sochomac)				
	Outgoing 63A 3P MCB's - 6 nos.				
	Outgoing 32 Amp 2P MCB's - 6 nos.				
	Earth busbar 25x5 mm GI strip - 2 nos. At the bottom.				
6	Supply Installation testing & commissioning of XLPE insulated Armoured Al. conductor cable between main panel & DB's & generator of required thickness of approved make Skytone/Havells based on the load assessment & confirmation of the same with architect. This rates include cost of flugs at both the ends				
	3.5x50 sq.mm cable from Meter to Kit katto the main panel & Pole (Aprrox - 20 mtr)	JOB	1		
	4cx20sq.mm cable from Main Panel to LHS DB (Aprrox-20mtr)	JOB	1		
	4cx20sq.mm cable from Main Panel to RHS DB (Aprrox-20mtr)	JOB	1		
	4cx20sq.mm cable from Main Panel to Kikat (Generator) (Aprrox -40 mtr)	JOB	1		
7	Supply, installation, testing & commissioning of VTPN Db double door with MCB as incomer IP 42 complete in all respects for AC, PP and L & F as under- Siemens/ Hager/ Lagrand/ ABB				
A	RHS 6 way VTPN db - Location RHS wall opposite Cash cabins (From entrance to Rear record room & Toilet area) - Siemens 8GB0406 VRCor				
	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus	Each	1		
	3 no. 32A 1P-MCBs 10KA-AC's - 2 nos. RHS & 1 rear				
	3 no. 16A 1P-MCBs 10 KA-for single power points - 2 cash & 1 May I help You & 2 nos. D/W				
	4 nos. 10A 1P-MCBs 10KA for L&F				
	4 nos. 6A 1P-MCBs 10KA for L&F				
	Blanking Plates - 2 no.				
	All connection to be terminated thru lugs				
B	LHS 6 way VTPN db - Location LHS wall behind advance (From LHS LVCash to Mgr Rm) - Siemens 8GB0406 VRCor equivalent				


	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus	Each	1		
	Dismantling of old ac units wiring and other furniture fixture if any				

1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
	40.32A1P-MCBs 10KA-AC's-3nos.LHS&1MGRm				
	4no. 16A 1P-MCBs 10 KA-for single power points - (LV cash, 2 CRE, 1 Advance, 2 MR & 2 Router)				
	2nos.10A1P-MCBs 10KA for L&F				
	2os.6A1P-MCBs 10KA for L&F				
	Blanking Plates-2no.				
	All connection to be terminated thru lugs				
8	Glowsign Board-Circuit wiring with 2x2.5sq.mm+1x1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) to be laid in 19mm PVC pipe heavy duty laid & concealed in wall/floor/panelling/partitions or above false ceiling as per requirement. The rates should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		
	E-EARTHING				
9	For Main Panel - S/burying of Dual pipe technology (Pipe in Pipe) earthing electrode having GI 80mm O/D pipe with 25 micron coating, 3metres long. The space between two pipes to be filled with Highly conductive & Non corrosive chemical compound. The installation shall be true earthing. The vacant space between pipe & holes shall also be filled with compound all around. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking two earthing leads of 25 x 5 mm GI strip (Assumed length of 10m - beyond 10m to be paid extra) upto Main panel complete in all respects with guaranteed E/N voltage of less than 3 volts and resistance less than 1 ohms. The distance between two earthing pits to be 10ft or more INCLUDING Earth wire 4 sq mm copper wire. Approx - 80 mtr (2 FOR BRANCH & 1 ATM)	Peric n.	3		
10	F-FIXTURES & FITTINGS				
A	a) Supplying and fixing Philips make 36W LED FLAT PANEL after disconnection of existing fitting 2'x2' size in grid type false ceiling, 600x600 suitable for recess mounting, CRCA sheet, aesthetic looking, or eqv Philips/havells	Each	40		
B	b) Supplying and fixing Philips make or eqv 10 WLED round type downlighter (Philips/ wipro /Jaguar)	Each	38		

1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sockets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
C	Supply installation testing and commissioning of 1*20 watt Battent type tubular LED light fitting with LEDs, driver, diffuser, and housing complete in all respects in UPS room and record /wc/ bath room /suitable place with complete in all respect with required color on need basis.	Each	10		
E	i) Supply & installation of wall bracket fan 450 MM METAL BODY (Heavy duty/ high speed) Make Bajaj/crompton/greaves/havells/Orient (to be supplied after consultation with architect/Electrical Engineer as per approved drawing)	Each	16		
F	g) Supply & fixing of the 1200 mm 48") Sweep Ceiling fan (Orient/PSPO/crompton greaves/havells) with downward rod (below false ceiling), canopy etc. including of PVC flexible copper wire. (white colour) (High speed) (Warranty Certificate is necessary) with downward rod, circular boxes, ball sockets, ceiling plates, suitable arm bracket etc. including connection with wire) White colour (WITH REGULATOR)	Each	4		
G	Supply & Fixing of fresh air fan 12" - Crompton Greaves/ Usha/ Khaitan/ Bajaj	Each	4		
11	Wireless Call Bell of Approved Quality (Orient, Sunshine)	No.	2		
12	I-DATA CABLING				
A	Supply & Fixing of XLRJ45 tool less information outlet with Duplex face plate with dual connectors Grey colour cat 6 including cost of supplying & laying CAT 6e (as directed by Architect from Server to Switch, Switch to computer / I/O data socket as required complete in all respects) in 25mm dia rigid PVC conduit (including laying of GI draw wire complete with junction box, circular box, elbows, bends & other accessories as required by chase cutting on floor, wall, through partition or over false ceiling. The data cabling pipe should be laid at a minimum distance of 3ft from pipes laid down for power distribution) including interconnection with connectors as required complete in all respects.	Each	15		
B	Supply & fixing of 7ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	15		
C	Supply & fixing of 3ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	15		

1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. All switch & sokets shall be modular type complete with cover plate & GI/MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning				
D	S/F of 24 Port Jack Panel fully loaded system ex make	Each	1		
E	S/F of 9 U wall mounted rack c/w fan etc as required	Each	1		
F	S/F of Cable Manager as required	Each	1		
	Misc Work				
	GRAND TOTAL AMOUNT (gst extra)				
	List of approved materials				
	Materials				Approved manufacturers/suppliers
1	Cable Electrical				Finolex, Polycab, RR, Havels or Equivalent all wires used should be FRLS (Flame Retardant , Low Smoke Low Halogen (FRLS)
2	Cable Telephone				D-Link, AT&T, Anchor, Deltron, or Equivalent
3	Data Cable CAT6				D-Link, Legrant, Systemac, Polycab, Finilex, Digisole or Equivalent
4	Glands & Lugs				Dowells, L&T, Cosmos or Equivalent
5	Conduits (PVC)				Supreme, Diamond, Astral, Polypast (PVC), Plasto, Precision or Equivalent
6	Conduits (GI)				Tata, Jindal or Equivalent
7	Casing Capping & Accessories				Ajanta, Modi, Asian, Precision or Equivalent
8	Switches				Legrand, Anchor, Havells, Roma, GM, L & T, Schneider, electric, C&S electric, Orpat, MK or Equivalent
9	DB Panels, MCB, MCCB, ELCB, TPN & their Fittings				Siemens, Havells, Legrande, L & T, Schneider electric, Hagor, ABB or Equivalent
10	Exhaust Fan				GM, Crompton Greaves, KEL, Usha, Havells, Bajaj, Orient, Almonard, Alstom or Equivalent
11	Ceiling Fan, Wall Fan				GM, Crompton Greaves, Usha, Havells, Bajaj, Orient, Almonard, Alstom or Equivalent
12	Ceiling rose				Anchor, Precision, Rider, GM, or Equivalent
13	Capacitors				Crompton, Greaves, Asian, L&T, Havells or Equivalent
14	LED Luminares all types				Philips, Syska Regent, Wipro, osram, Bajaj, Havells, Haionix, Panasonic, Gold medal or Equivalent
15	UPS Battery				Amron, Rocket, Exide, Luminous, Panasonic, Okaya or Equivalent
16	Speakers				Philps, Ahuja Bose, JBL, Harman, Kardon, Sony, Blau Punkt, Panasonic or Equivalent



PROJECT	TITLE	NORTH	ARCHITECT
EXISTING LAYOUT LAYOUT PLAN OF INDIAN BANK INDIRA NAGAR A- BLOCK BRANCH OPP.3	EXISTING LAYOUT PLAN		BHARAT AND ASSOCIATES ARCHITECTS, ENGINEERS, INTERIOR AND LANDSCAPE DESIGNERS. Shop NO:-01, First Floor, Jeevan Plaza, Viram Khadi:-8, Husariya Crossing Gomti Nagar, Lucknow. Phone: 7572003101,7572003110
	DATE	DRAWN BY	
	16-11-2024	AAMIR HUSAIN	