

CANARA BANK					
ESTIMATE FOR FURNISHING & ELECTRICAL WORKS IN DEHRA BRANCH					
	Note:-				
i	The work to include all demolishen and diposal, shifting of furniture, false ceiling, brick work etc. as required, no extra payment will be given for this item.				
ii	The work to include shifting / reshifting etc. (including wiring arrangements) as required to be done , on day to day basis, for branch functioning, no extra payment will be given for this item.				
iii	The whole of the work shall be thoroughly inspected by the contractor and deficiencies & defects, if any shall be set right. On completion of such inspection, the contractor shall inform the Bank that they have completed the work and it is ready for inspection. On completion the contractor shall clean all the area and its surroundings, equipment etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Bank.				
iii	Rates to include all demolishen and diposal, scaffolding, carriage of materials to and from the site in lead of beyond 5 kms, and working in a running branch				
iv	Wire Routing provided through the walls / floor / roof etc., rates to include cutting of wall and refinishing the same finely complete.				
v	Points include complete length of wiring, conduiting and accessories upto designated places as per the design and drawings.				
vi	Electrical contractor shall have to make the layout for cutting of lights etc. at site.				
vii	All newly done electrical wiring/ DB/points/ earthing etc. will be used as per instructions of architect/ engineer.				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
A. FURNISHING WORK:-					
1	GYPSUM FALSE CEILING				
	A) P&F false ceiling with Gypsum Board 12.5mm thick fixed to a metal frame comprised of ceiling channel of size 80mm X 26mm X 0.5mm @ every 450 cms centres, inter channel 45mm X 15mm X 0.9mm @ every 1220mm centres, peri-meter channel 20mm X 26mm all along the wall, strap hanger suspendeds 25mm X 0 5mm with nuts and bolts 6.4mm x 12.7mm, connecting clip 2.64mm thick, dry walls screw 25mm long , soffit cleat. 27mm X 37mm X 25mm X 1.6mm thick and dash fastener/ rawl plug 12.5mm dia X 35mm long with 6mm dia bolt. The joint of gypsum board to be taped 3 times and sealed with jointed compound with three coat plastic emulsion paint finished. Coves & Cut-out be provided to accommodate luminaries, air conditioning grills and fire warning detectors if any. The rate to include two or more coats of approved paint after preparing the surface. All fitting to be separately hung from the ceiling and should not rest on the false ceiling. (Only Plan area considered for payment)	S.FT	596.00		
2	GRID FALSE CEILING				
	The grid false ceiling shall be provided as per approved design & drawing. The minimum height of the ceiling cavity should be 100mm. All service fittings integrated within the suspended ceiling must be independently supported from the ceiling grid by a structure designed for the purpose.	S.FT	500.00		
	Ceiling tiles				
	Shall be Armstrong Fine fissured Classic lite RH99 of 16mm thickness. Suspension system Shall be of Armstrong Trulok Silhouette reveal profile grid system with 15mm flanges incorporating 3mm central recess in global white with black reveal. Silhouette main runners and cross tees to have mitred ends and "birdsmouth" notches to provide mitred cruciform junctions.				
	Installation				
	Main runners will be placed at 1200mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers and not more than 150mm from spliced joints. The last runner at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mmm long cross tees to be interlock between main runners at 600mm centers to form 1200x600mm modules. Cross tees longer than 600mm require independent support. 600x600mm modules to be formed by fitting 600mm long cross tees centrally between the 1200mm cross tees. The 1200mm cross tees to have central "birdsmouth" notches to facilitate fitting of 600mm cross tees. The perimeter trim to be Armstrong Trulok equal wall angle of white color secured to walls at 450mm maximum centers.				
3	WOODEN CEILING (TEAK PLY)				
	Providing and fixing 4mm thk.teak ply in ceiling over 12 mm thk. HDHMR screwed to GI ceiling sections also incorporating 2" x 2" soft battens sections in framings grids as per drawings (framework to have coating of fire retardant and anti-termite paint) necessary M.S. hangers, screws, clips, PU polishing and polyurethane coating etc.The payment area will be the visible area only The work should be complete as per instructions of Architect or Engineer in charge.	S.FT	72.00		
3	LOW HEIGHT PARTITIONS (UPTO 4' 6" HT.)				
	Providing & fabricating & fixing of low height partition made out with Aluminium Section framework consisting of 2" x 2" sections placed at minimum 2'-0" x 2'-0" horizontal & vertical (as per site requirement) with 8 mm HDHMR finished with 1 mm thick high gloss laminate (of approved shade) on both sides (as approved). Partition will be 4'-6" high (as per design) with 12 mm thick toughened glass clear including frosting /etching as per design fixed with T.W. beading with with polish finish. Top & other edges / sides finished with T.W. beading with . All sides of partition finished with high gloss laminate & necessary hardware approved & edges finished with T.W. beading with with melamine polish finish. 12 mm toughened glass will be supported by box pillar made out of 8 mm IS 14467 HDHMR with support of Aluminium Section. With all side high gloss laminate & T.W. beading finished with with polish finish as per design.Top edge of 12 mm toughened glass will be with diamond cut & diamond edge polish includes making required cut out. including all necessary required hardware ,fitting as per approved by architect/engineer in incharge..	SFT	60.00		
4	FULL HEIGHT SEMI GLAZED/SOLID PARTITION				
	Providing and fixing wooden full height partition with following specifications: (a) Providing and fixing panelling on column/wall. Framing shall consist of Heavy duty Aluminium Box Sections 44mmx44 mm(16 Gauge) with maximum spacing of @ 600mm c/c both horizontally and vertically. The frame shall be fixed rigidly at floor level and ceiling level wherever possible. The rate should also include necessary strengthening with additional members at doors and other openings.	S.FT	265.00		
	(b) The partition shall have 9mm HDHMR of approved make fixed on both sides with screws for the entire height of the partition and finished with approved 1.0mm Th. high gloss laminate of approved make of desired shade and design on both sides. Wooden molding, lipping etc. as directed by Bank / architect shall be provided wherever required. The partition shall have skirting and intermediate bands finshied with metallic high gloss laminate of desired shade and design. (c) The full height partition shall be WITH OR WITHOUT 8mm toughned glass with etching fixed as per drawing with 75mm x 12mm Teak wood jamb/chaowkhat around glass opening and 12mm x 12mm teak wood beading for fixing of glass on both sides. As per the direction of Engineer-in-charge and design.				

	(d) The work to include providing and fixing of partly glazed wooden door shutters using 35mm readymade ISI flush door shutter with 1.0mm thick high gloss laminate of desired shade and design as per drawing with teak wood frame of 75mm x 40mm. The door shall have 6mm thick teak wood lipping all around the edges. The door shall have vision panels with 88mm toughened glass with etching fixed with double 14mmx25mm thick teak wood moulding as per design. The exposed surface of wood shall be deco painted in desired shade. The door shall be complete in all respect with hardware handles, door stoppers, 8" tower bolts, hinges, door closer, mortise lock etc all in brass.				
5	FIRE PROOF FULL HEIGHT SOLID PARTITION WITH CEMENT BOARD				
	Providing and fixing Cement board of 12mm thickness is screwed & fixed on either side of the FireLine Gypsum Board (Initial Layer to be fixed to Studs) of 12.5mm thickness on to the frame work using self-drilling and tapping screws of CSK head at 200 mm centers. The screws are kept 15 mm (minimum) or 1.5 times the thickness of the board, away from the edge and 40 mm from the corner. A gap of 2mm is to be maintained between the boards. First board will be of 2' / 610mm followed by 1220mm boards on side of the frame work. On the other side start the fixing with 1220mm board followed by 1220mm boards for making the partition more stable and strong. Fix the second layer of the boards by the same way by staggering the joints to have better sound and thermal insulation properties and strength. While making an "L" or "T" joint, ensure that cement board is inserted and fixed at this junction, between two studs. This will act as a cavity barrier and will not allow smoke (in case of fire) to travel through the cavity. Insulation: Rockwool slabs/ Glasswool of 50mm or more with density of as per the stud dimension and the recommendations are inserted in the cavity for Insulation (both acoustic as well as thermal) purpose. Jointing and Finishing: Cement board joints can be finished with jointing compound and fiber tape as per recommended practice. Wood primer (water based) is to be used on entire surface before applying putty or paint. Note: Intermediate channel is fixed horizontal on either side of the frame if the partition height is more than the board length, to provide edge support to the board's edges.	S.FT	50.00		
6	STORAGE (FULL/HALF HEIGHT)				
a	450 mm deep storages shall be made up of 19 mm thick HDHMR conforming to IS 14467 . The bottom of the storage unit to be provided above 19 mm HDHMR skirting.	S.FT	160.00		
b	The storage shall be inclusive of Locks, SS tower bolts, SS Handles, SS telescopic hinges, magnetic catchers, stopper chain and all hardware as per schedule of interiors, furniture finishes/ Instructions.				
c	The storage interior shall be finished with .8 mm high gloss laminate (off white) and all exposed surfaces finished with 1.00mm thick high gloss laminate.				
d	Verticals out of 19 mm thk HDHMR conforming to IS 14467 to be provided at every 900 mm or part thereof, as per site conditions/ instructions. At every 410 clear height, internal horizontal shelves to be provided.				
e	The unit may be split vertically in two or more parts, as per the site conditions and instructions, for heights more than 1200mm				
f	The storage unit to be provided with a 8 mm thk. HDHMR wood backing, front openable shutters, out of 20 mm thk. HDHMR board to be provided . Note: The front vertical area of the storage unit will be measured for payment.				
B	SIDE CREDENZAS : (Size-3'-0" - 4'-6") HT.- 2'-6"				
	Side credenza made of 19 mm thick HDHMR conforming to IS 14467 & 1mm thick high gloss laminate on top horizontal surface & one vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have drawer compartment 16" wide outer to outer, containing two drawers with locking arrangements and one storage unit under drawer slides(soft close channels) of approved make. The sides of the drawer shall be made of 12mm thick HDHMR, bottom of 8 mm thick HDHMR & front of 19mm thick HDHMR. The remaining part of the credenza will have cupboard with Overlapped shutters shell provided with butt hinges (soft close) and one shelf. All the internal surfaces shall be finished with 0.8mm thick mica of desired shade and design and the exposed wood shall be deco painted/malamine polished in desired shade.complete in all respects to the entire satisfaction of Architect/Engineer	Nos.	1.00		
7	ELECTRICAL PANEL				
	Providing & fixing low height Electrical Panel cabinet 1'-6" deep in 20 mm thick HDHMR board conforming to IS 14467 with box type cabinet having with all horizontal & vertical members with 21mm x 4mm T.W. lipping with melamine polish in matching color and exposed exterior surfaces finished with 1mm thick high gloss laminate of approved color & make as per drawing included. Interior surface to have .8mm high gloss laminate with telescopic hinges, SS handles, Locks, stopper chain, S S tower bolts etc. complete in all aspects as per instructions of Architect/Bank.	S.FT	72.00		
8	PANELING WORK				
	Providing and fixing panelling on column/wall. Framing shall consist of Heavy duty Aluminium Box Sections 50mmx25 mm(18 Gauge) with maximum spacing of @ 600mm c/c Both ways horizontally and vertically on the column/wall. This framing would be covered by 9mm thk. HDHMR finished in approved make 1.0mm Th. high gloss laminate of desired shade and design. Wooden molding, lipping etc. shall be provided wherever required as per drawing and Melamine polish, PU polish, deco painted in desired shade. The paneling shall have skirting and intermediate bands finished with metallic high gloss laminate of desired shade and design. The work shall also include the cost of making cut-outs for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical/telephone/Data cabling etc.complete in all respects to the complete satisfaction of the Architect/Bank Engineer.	S.FT	680.00		
9	TABLES				

A	Branch Manager Table with Side Unit Supplying & fixing –CM Table 6'-0"x 3'-0"x2'-6" made out of 19 mm thk. HDHMR board with 1 mm thick high gloss laminate as approved, with wooden keyboard tray with side high gloss laminate & front modesty panel with double box structure & teak wood beading as per design. All external sides finished with 1 mm high gloss laminate as approved & internal sides with 0.8 mm balancing high gloss laminate as approved. Top edge all sides made of 60 mm thickness with HDHMR board 19 mm box framing as per design. Edges of design finished with T.W. beading with polish finish. Table drawer unit made out of 19 mm HDHMRBoard with top drawer 6" depth & lower two drawers of equal depth with approved high gloss laminate. Outer side 1 mm thick & balancing high gloss laminate 0-8 mm internal sides with approved telescopic drawer channels , SS handles, locks, & all hardware as per design complete. P & F Side unit (3'-6" x1'-6"x 2'-6") made out of 19 mm thk. HDHMR board with 1 mm high gloss laminate as per approved shade, external depth 18 inches, cabinet top height 2'-6" , top side structure/ middle & vertical & two equal shutter below two drawer made of 19 mm HDHMR board with balancing high gloss laminate on all inner sides .8 mm thick as per approved shade, edges finished with T.W. beading finished with polish.. as approved shade. Rear panel with 8 mm HDHMR, Front shutters , external surfaces finished with 1 mm approved shade high gloss laminate with necessary hardware, telescopic hinges, locks, magnetic catchers of approved make, complete unit as per design.Skirting 4" high made out of 19 mm HDHMR Board finished with approved shade high gloss laminate 1mm thick as per design as approved by architect /bank incharge. Side Credenza/ printer table shall be made of 20mm thk. HDHMR Board and finished with 1mm thick high gloss laminate. It shall have two top drawers 4" deep with telescopic channels and two bottom openable shutters with all hardware. Refer schedule of interiors, furniture & finishes.Also Providing and fixing 12 mm glass over tables to complete with grinding polish and round edges with wire manager hole.	Nos.	1.00	
B	Officer Manager Table with Side Unit Supplying & fixing –Table 5'-0"x 2'-6"x 2'-6" made out of 19 mm thk. HDHMR board with 1 mm thick high gloss laminate as approved, with wooden keyboard tray with high gloss laminate & front modesty panel with double box structure & teak wood beading as per design. All external sides finished with 1 mm high gloss laminate as approved & internal sides with 0.8 mm balancing high gloss laminate as approved. Top edge all sides made of 60 mm thickness with 20 mm HDHMR board conforming to IS14467 box framing as per design. Edges of design finished with T.W. beading with polish finish. Table drawer unit made out of 19 mm BWP Board with top drawer 6" depth & lower two drawers of equal depth with approved high gloss laminate. Outer side 1 mm thick & balancing high gloss laminate .8 mm for internal sides with approved drawer channels , handles, locks, & all hardware as per design complete. P & F Side unit (3'-6" x1'-6"x 2'-6") made out of 19 mm thk. HDHMR board with 1 mm high gloss laminate as per approved shade, external depth 18 inches, cabinet top height 2'-6" , top side structure/ middle & vertical & two equal shutter below two drawer made of 19 mm HDHMR board with balancing high gloss laminate on all inner sides 0-8 mm thick as per approved shade, edges finished with T.W. beading finished with polish.. as approved shade. Rear panel with 8 mm HDHMR, Front shutters , external surfaces finished with 1 mm approved shade high gloss laminate with necessary hardware, hinges, locks, magnetic catchers of approved make, complete unit as per design.Skirting4 " high made out of 19 mm HDHMR Board finished with approved shade high gloss laminate 1mm thin as per design as approved by architect /bank incharge. Also Providing and fixing 12 mm glass over tables to complete with grinding polish and round edges with wire manager hole.	Nos.	2.00	
C	RUNNING COUNTERS			
	Providing & fixing in position public counters as per approved design 750 mm high and 750 mm wide made with 19 mm thick HDHMR finished with 1.0 mm thick high gloss laminate as per desired shade and design on all exposed surfaces expect top, which is finished with and other exposed edges polished for with following provisions. complete in all respects as per Bank Engineer/ Architect. a) Keyboard tray made with 19 mm HDHMR Board with 1.00 mm high gloss laminate on top & steam beach front on telescopic channels with locking arrangement. Complete in all respect. b) A platform to be made inside table for CPU of 19 mm HDHMR Board with 1.0 mm high gloss laminate on top and teak wood footrest of size 3" X 1½". Cont.....	Rft	15.00	
	c) A necessary hole to be made on table top for cable manager with metal wire manager. d) A drawer unit is to be made from 8 mm thick teak wood members side with 20 mm thick facia of HDHMR Board with 1.0 mm thick high gloss laminate top. One drawer to run on telescopic channels with auto lock / multipurpose locks etc. e) All internal surfaces to be provided with .8mm thk high gloss laminate of white shade. f) All exposed edges to be provided with stream beach wood moulding. Complete as per design. g) P/f 12 mm thick front toughened glass as per drawing / fixing detail/ instructions and specifications. The glass to start from the counter top and upto a height of 1350 (frm FFL) in front counters. The glass to be fixed with help of patch fittings, refer schedule of specifications. h) Table top glass of 10mm to be provided on the counters. I) Acrylic/ Vinyl bank logo to be provided at counter front facia of appropriate size.			
C	CASH COUNTER			
a	The counter will have two levels and shall be made up of 19mm thk. HDHMR Board. The counter shall have 1 ½"x ¾" teak wood edge beading with melamine polish. Provision shall be made for name display. The counter shall have keyboard tray, CPU trolley, Foot rest and cable manager. Refer schedule.	Rft	5.00	
b	For every 1.35 to 1.65 mt. / as specified unit length of the counter on drawer unit will be provided. The Drawer unit will comprise of three sliding drawers on telescopic channels with divisions for currency notes, including all hardware, locks as per schedule of interiors, furniture & finishes.			
c	Side Credenza/ printer table shall be made of 19mm thk. HDHMR Board and finished with 1mm thick high gloss laminate. It shall have two top drawers 4" deep with telescopic channels and two bottom openable shutters with all hardware. Refer schedule of interiors, furniture & finishes.			
d	The inside of counter and credenza will be finished with .8 mm off white high gloss laminate, while all exposed surfaces to be finished with 1.0 mm thick high gloss laminate, all exposed edges will be finished with appropriate size teak wood beading, melamine polished.			
e	The apron shall be made as per design and made of 19mm thk. HDHMR Board, finished with 1mm thick high gloss laminate, Refer drwgs. The apron shall have table with additional height upto 3'9" and will be provided with 12mm thick toughened glass ledge of 1'0" width to be fixed as per design.			

f	Providing 12mm toughened glass with Frosted Film in front of the counter above the . height of 3'9" upto height of 7". toughened Glass fixed with Teak wood beading with Melamine Polish ,grooving pattern as per design.including all necessary required hardware and fitting as per approved by architect /engineer incharge. The top of the front glass to be provided with 1 feet partition patta with 8 mm HDHMR for sturdyness.				
g	Providing and fixing 12 mm glass over tables to complete with grinding polish and round edges with wire manager hole. Acrylic/ Vinyl bank logo to be provided at counter front facia of appropriate size.				
10	SLIPS COUNTER / WRITING LEDGE, SUGGESTION BOX,				
	Cheque dropping box: 10 mm bevelled clear glass to SLIP counter 3'0" x 1'3" x 3'6" height with shelf / Pigeon holes to keep slips with suggestion box and Cheque drop box made out of solid HDHMR and finished with 1 mm thk high gloss laminate. The inside to be provided with 0.8 mm thick high gloss laminate of White shade instead of painting the surfaces / area and 1" high slit is to be made in the front for letter/cheque etc. All the slits are to be provided with steel covers to provide aesthetic look.	Nos.	1.00		
11	WICKET GATE				
A	P and F WICKET GATE with 25 mm HDHMR Flap door shutter with 1mm high gloss laminate (of approved shade) on both sides The item includes hardware, as per design with lock, double swing hinges , polish etc complete as per and as instructed by the architect/ bank incharge	SFT	11.25		
B	P & F Flush Doors 35mm HDHMR doors with 1.0 mm high gloss laminates on both sides. with fix glass panel , Providing 8 mm glass with Frosted Film . Glass fixed with Teak wood beading with finish.The item includes Teakwood chaukhat made from 75x50 teakwood. The door to have 12mm teak wood lipping on edges melamine polished.. The door is to be complete with Cylindrical door Lock (Godrej/Ozone/ dorma make) 200mm SS/Brass handles, brass Stopper, Concealed Door Closer (Godrej/Ozone/ dorma make), Tower bolts, 119mm Brass/SS hinges etc. all Teakwood surface to be melamine polished complete to the satisfaction of Architect/Bank incharge .	Sq.Ft	21.00		
12	12MM TOUGHENED GLASS DOORS (BM, MAIN ENTRY 6' & ATM)				
	12 MM TH. TOUGHENED GLASS Cabin door providing & fixing main doors/cabin made out of/cabin door made out of HNG/ Asahi India MAKE 12 MM TH.toughened plain glass in single piece with computerised diamond cut & diamond edge polish including making required cutout holes for lock , handles , pivot patch fitting , corner fitting hinges etc. the rate is inclusive of patch fitting approved make floor spring ,pivot patch fitting with cover plate, locks handles , signages with necessary hardware rtc. and including frosting /etching as per design as per intructions of Architect/ Bank In-charge	Sq.Ft	70.00		
13	12MM TOUGHENED FIX GLASS				
	Toughened Fix Glass 12 mm Thk.of approved make & design with Bank Logo and , diamond edge polish including making required pivot patch fitting hinges etc. the rate is inclusive of patch fitting, including frosting /etching as per design intructions of Architect/Bank incharge Complete in all respects and including frosting /etching as per design as per intructions of Architect/ Bank In-charge	Sq.Ft	236.00		
14	Pin Board (5'-0" x 3'-0")				
	Providing and fixing pinup boards. It consist 12mm thick soft boards of good density to be mounted over 8mm thick HDHMR board . The soft board will be covered with a plain fabric approved colour from front and edges. Suitable steam beach moulding 25mm x 25mm size to be fixed on all four sides and will be finished in melamine polish.	Sq.Ft	30.00		
15	A.C.P. PANELLING Front AREA/ATM (External Grade 4 mm)	Sq.Ft.	442.00		
	Proving and fixing in position Aluminium composite panel Boxing with PVDF coating & LDPE core high gloss laminated Eurobond / Altobond/ Alukbond Exterior Grade 4 mm thick with composite of (0.5mm - 3mm- 0.5mm) including fabrication for the same with aluminium sections, required hardware, silicon sealent (Dow Corning 789) masking tape, necessary scaffolding etc. complete in all respects.				
16	GLASS OVER TABLE TOP:				
	Providing and fixing 12 mm glass over tables to complete with grinding polish and round edges with wire manager hole.	Sq.Ft.	18.00		
17	TEXTURE PAINT (PATTERN AS APPROVED BY BANK)				
	Supply and application of Wall painting with Sand Texture paint of Asian, Berger, opus brand and manufacture to give an even shade including all scaffolding : Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sq.Ft.	50.00		
18	PLASTIC PAINT				
	Supply and application of Wall painting with Plastic paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats including scrapping of old paint, preparation of base with primer, putty, lippy etc complete in all respect.	Sq.Ft.	1000.00		
19	ENAMEL PAINT				
	Supply and application of enamel paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats including rubbing of existing paint, preparation of base with red oxide etc. complete in all respect.	Sq.Ft.	500.00		
20	PU TACT TILES FLOORING				
	The work include carefully pasting over existing floor tiles at specified locations without damaging the surrounding surfaces. Therefore supply and installation of approved TAC (300mmX 300mm) tiles as per manufacturer's specificatin, ensuring proper alignment, adhesin and finish. Installation shall be done on a prepared surface with approved adhesive,including necessary surface preparatin, cleaning, levelling and all requied material, tools and labor to ccomplete the work in all aspects.	RFT	42.00		
Total of Furnishing Works Part -A					
ELECTRICAL WORK AT DEHRA BRANCH					
No.	Particular	Qty	Units	Rates	Amount
1	LIGHT & FAN POINTS:-				
	P & F light points, fan points, call bell points, sockets etc. with 2 X 1.5 sq. mm. PVC insulated 1100 V grade FRLS, copper conductor wires and 1.0 sq. mm copper earth wire in concealed / surface using ISI mark CPVC pipes of 25 mm dia 1.50mm thick conduits accessories such as bends, tees saddles, draw boxes, mounting boxes, innerplates, cover plates, ceiling rose etc. (where ever required) and plug etc. The circuit wiring starting from DB to point control box / switch box using 2 X 2.5 sq. mm and 1.5 sq. mm earthing PVC insulated wiring color code to be provided. Identification ferrules at both end to be provided. (Flexible conduit / elbow NOT allowed). The conduits to be fixed in ceiling with proper clamps / wall / floor and felling the chase with cement mortar and finish the same in original form / wooden partition / above false ceiling with proper clamps (Wherever required as per standard specifications)				

	SWITCH & SOCKET - NORTH WEST (PC Plus)/ MK (Wrap around)/Anchor (Wood)/Havells (Crabtree)/ABB(Classic Luminia)/legrand Steel Conduit:- AKG/BEC/JINDAL/STEEL KRAFT			
	Notes:-			
	All wires shall be FRLS only (Polycab/RR/Finolex/KEI)			
	All material shall be approved make as mentioned in the tender.			
	Color codes must be maintained			
	No flexible conduit & elbows will be allowed.			
	Each circuit shall have independent earth wire.			
	Each point must be seperately earthed.			
	Circuit wiring is to be included in point wiring rates.			
	One S.B. can have max. 10-12 switch including 6 Amp. Socket			
	Boxes fixed in the wooden/ plywood partitions may be PVC			
(a)	One point controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	18	
(b)	Two points controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	24	
(c)	Exhaust Fan/Wall fan point controlled by one 6 Amp. Modular switch & switch board at SB level and 6 Amp. 3 pin socket at designed place.	Nos.	16	
(d)	6 Amp. Socket with switch & light indicator at switch board places.	Nos.	8	
(e)	Call bell point with anchor make Ding Dong Bell	Nos.	1	
(f)	Emergency points	Nos.	8	
(g)	Strong room point with metallic switch & socket (Industrial plug) with 25 amps MCCB. Rates to include all connections with extension cable as required on site.	Nos.	1	
2	POWER POINTS :-			
	Same as item no. 1, including providing & fixing 16 Amp. 6 pin sockets with 16 amps switch with wiring by using 2x4 sq. mm PVC insulated copper conductor wire with independent 2.5 sq. mm earth wire from D. B. to first 1st socket and 1st socket to 2nd socket with 2.5 sq. mm and 1.5 sq. mm earth wire including providing and Fixing complete in all respects.			
(a)	Power point (Direct) with 2x 4.0 sq mm copper conductor wires.	Nos.	6	
3	A. C. POINTS :- C&S/Havells/Legrand/HPL/ABB			
	A.C. point wiring with 2 X 4.00 sq. mm insulated copper conductor wire (FRLS) & 1 X 2.5 sq. mm copper conductor wire for earthing from AC DB to AC point in 16 swg PVC conduit AC point including supplying and fixing of module A.C. Box with 3 Pin metal clad pin top and 25/32 Amp. SP MCB "C" series. (Wiring must be from DB to stablizer to ELCB near indoor unit to Indoor Unit.)	Nos.	7	
4	DISTRIBUTION BOARDS :-			
	P & F sheet metal distribution boards of approved make double door type and making necessary connections etc complete with all ELCBs of C series 10 KA. (LEGRAND/ SCHNEIDER/ SIEMENS/C&S/HPL)			
	All MCB'S must be 'C' series, 10 KA			
a	S P N 4 WAY DB :- UPS input DP MCB 63 Amp = 2 NOS.	Nos.	1	
b	S P N 6 WAY DB :- UPS Output (for CCTV, Rack, FAS, BAS) DP MCB 32 Amp = 1 NOS. & 4 Nos SP MCB 10/16 Amp	Nos.	1	
c	S P N 8 WAY DB :- UPS Output (for Counters) DP MCB 32 Amp = 1 NOS. & 6 Nos SP MCB 10/16 Amp	Nos.	1	
5	LIGHT & FAN FIXTURES :-			
	P & F light fixture & accessories as per the following details and making connections, assembling, fixing, testing & installation with 3 years warranty. Following Fixtures including all accessories & extension chords as maybe necessary complete. All CFL / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by sitable chain / rods) all to fixture rates to include 3 years warranty. Including all removing, shifting, repairing, fixing, welding, cutting, instalation, testing, commissioning work of existing or proposed items for the folowing work. Including making good, proper finish of walls, floor and roof with masonary, R.C.C., plaster, pop, puty, primer, paint, etc. complete in all respects. Including color temp. for light fixtures must be 6500k. Dealer authorisation certificate with invoice detail required. Technical specification minimum 100 lumens per watt, Pf>.90, THD<20%			
(a)	HAVELLS/PHILIPS LED Full glow 24" X 24" 36 Watt	Nos.	26	
(b)	Philips Green LEDi 10 Watt DN 194 B (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	20	
(c)	Philips LED Tube lights 18 W/ 22 W (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	10	
(d)	Wall fan (BLDC) 400 mm - High flow of capacitor start, three speed wall mounting/cabin fan of following sweep with the help of anchor bolts including making connection testing etc. as required. Each wall fan should be connected through independent switch and socket of 6Amp.(Atomberg/Crompton/ Almonard/ Usha/ Havells)	Nos.	13	
(e)	Exhaust fan 300 mm - Crompton/ Atomonard of Heavy duty capacitor start 1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked including making opening if required, making connections testing etc. as required.(Crompton/ Almonard/ Usha/ Havells)	Nos.	3	
(f)	P&F of ceiling BLDC Fan Metal body 1200 mm Sweep (Atomberg/Crompton/ USHA/ Bajaj)	Nos.	1	
6	CABLES WIRES :-			
	P & L heavy duty armored cable on saddles wherever exposed and with aluminium lugs, cable termination with gland, aluminium lugs properly crimped, etc. complete. Including reusing of the existing cables wherever required as per direction of Bank Engineer/ Architect, vendor is bound to execute the items. All existing and proposed cables to be lay out in existing cable tray. Complete in all respects as per direction of Bank/ Architect.			
	XLPE Cable (Polycab/ Finolex/ RR/KEI)			
a	3.50 core X 35 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size.	Rmts.	40	
b	2.0 core X 6 sq. mm copper cable for UPS to UPS DB including cables termination with gland, Cu. lugs properly crimped of required size. (UPS OUTPUT TO UPS DB) & (UPS INPUT TO UPS DB)	Rmts.	30	
7	U.P.S. POINTS & CIRCUITS :-			
	P & F ups points in 2 mm thick PVC conduit with 2 X 2.5 sq. mm insulated copper wire along with 1 X 1.5 sq. mm PVC insulated wire for earthing including bends, nipples, junction, M.S. switch boxes each to have 3 nos. 6 A 5 pin modular socket 1 X 6 A indicator controlled by 1 X 16 A modular type switch compl fine finish incl. making necessary connection & start of equipment as per details. Complete in all respects as per direction of Engineer/ Architect. Make as specified above)			

(a)	DIRECT POINT	Nos.	8		
(a)	LOOP POINT (Only one point to be loop.)	Nos.	4		
8 EARTHING :- (Ashlok, JK, Ash, REIL)					
(a)	Supply and installation of pipe-in-pipe technology Copper Earth Electrode earthing system modelt-39 with outer diameter of 80 mm length 2000 mm embedded in the soil with masonry inspection pit along with cover etc. complete in all respect. The work should be got carried out through bank's authorized Company only. Each pit installation test certificate to be submitted after measurement of earth resistances as per the provision in IS 3043	Nos.	3		
(b)	P & L 2 X 8 SWg copper earth wire at designated place in PVC conduit (Pit to Panel/ Pit to UPS)	Mtrs.	40		
9 MAIN PANEL FOR BRANCH :-					
	Designing manufacturing, installing, testing and commissioning of cubical type MAIN PANEL of Size 3 ft X 4 ft made from 16 SWG CRCA sheet steel, "type base M.S. channel for grouting on floor complete with ELCB, MCBs, meters, C.T., etc. complete in all respect, insulated bus bar with near shrinkable PVC sleeve in suitable bus bar chamber, wiring, name plates, danger plates, earth bus etc. & comprising of compartments with hinged doors and rubber gasket, bus bar chamber with bolted door and rubber gasket etc. the panel being of dust & vermin proof construction and to be painted with primer and smoke gray paint (minimum two coats) to look attractive. The panel should be comprising with the following : (Degree of Protection IP-54)	Nos.	1		
INCOMER: -					
ALL ELCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY (C- CLASS) (Legrand/ HPL/ C&S/siemens/ABB/ Schneider)					
(i)	150 Amp 4 - P, MCCB (3 Phase) 1 Nos. (Main)				
(ii)	100 Amps 4 Pole Heavy duty on load change over switch-1 No.				
(iii)	150 Amp. Capacity copper bus bar for ATM & System room heat shrinkable proper insulation with heat shrinkable proper insulation with color coded. digital ammeter and voltmeter, 3 phase to single phase 63 Amp selector switch, three number indicating lamp R-Y-B Phase indicators with 2 amp. back up HRC fuses & Energy Meter with KWH and PF indication (Back up Fuse protection)				
OUT GOING: -					
ALL ELCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY					
DOUBLE BUS BAR PANEL					
A.C. SHOULD NOT OPERATE ON INVERTER/GENERATOR B25:B79 SUPPLY					
All ELCB must have 25 KA S.C. current capacity					
All outgoing feeder should have separate door and compartment.					
Each outgoing feeder shall be with indicator.					
(iv)	63 Amp 4 - P, ELCB (3 Phase) 1 Nos. (A.C) with 9 No. 32-40 Amp. DP MCB				
(v)	63 Amp 4 - P, ELCB (3 Phase) 1 Nos. (Power) with 9 No. 16-25 Amp SP MCB and 3 No. 16-25 Amp DP MCB				
(vi)	63 Amp 4 - P, ELCB (3 Phase) 1 Nos. (Light) with 12 No. 16Amp SP MCB				
(vii)	63 Amp 4 - P, ELCB (3 Phase) 1 Nos. (UPS) with Selector Switch of 63 Amp				
(viii)	Indicator Light to be provide at the entrance of the branch Infront of cctv camera and as per instruction of engineer in charge of the bank. (R-AC, B-UPS, Y-Power/Light)				
(ix)	Glow Sign board point wiring to be taken from panel complete in all aspects.				
10 TELEPHONE POINTS					
b	S, L, T, I, C Telephone point with cat 6 cable telephone cable from main supply to various counters, tables, walls, partitions, etc.with colour coading identification on both ends. Including 0.6 mm dia annealed with tinned screen protected CU conductor PCC sheathed 2 pair telephone cable in PVC conduit 2.00 mm thk. conduit as required. Including S & F modular type plate with telephone outlet box and RJ-11 sockets with housed in zinc passivated box/ PVC box with suitable connector strip in recessed wall/ partition as required. S & F modular type telephone outlet 1 pair coaded outlet.	Nos.	4		
11 DATA POINTS					
(a)	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required. Cost including Faceplate for Flush Mount Information Outlets Single Aperture with screw hole covers & Icon Tree Size 86mmX86mm including pvc/ ms box. (Cat 6 cable: Molex/ Avaya/Penduit/AMP) (Face plate i/o : Molex/ Avaya/Penduit/AMP/D link)	Nos.	18		
(b)	Supply, Installation and Testing of 4 pair, 100 Ohm, 24 AWG, E Cat 5 UTP, flexible, Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief boots as per TIA /EIA 568 B.2 Specifications including making connections to Inform outlets of lengths. 2.0 Meter as required. Molex/ Avaya/Penduit/AMP/D link	Nos.	18		
(c)	SITC Data/ server rack of 9U Rack with all required accessories complete in all respect.	Nos.	1		
(d)	SITC of 24 port patch panel for rack with all accessories	Nos.	1		
12 LOW SIDE AC WORKS					
(a)	P & F Copper refrigerant piping for split units duly insulated with elastometric nitrile rubber tubular insulation (9mm) between each set of indoor & put door unit for above mentioned units to interconnect indoor unit and outdoor unit, relevant sizes as per manufactures specifications including cutting and chiselling and repairing of wall / designated areas complete fine finish.(MAKE PAPDIWAL/ HITACHI) with electrical wiring for split and cassette units duly insulated with close cell elastometric foam, relevant sizes as per manufactures specifications including cutting and chiselling and repairing of wall / designated areas complete fine finish.with 4c x 2.5 sqmm copper wire	Mtrs.	90		
(b)	P & F INSULATED condensate drain water piping flexible PVC with all bends, junctions and accessories approved make duly insulated to nearest drain trap including cutting and repairing the wall to the existing situation complete - 25mm / 32mm dia. (kissan/ national)	Mtrs.	60		
Total of Electrical Works Part- B					
GRAND TOTAL (A+B)					