

COST SUMMARY		
INDIAN BANK'S NORTH GUWAHATI BRANCH		
SR. NO.	DESCRIPTION	AMOUNT
1	PART-A	
I	DOOR, PARTITION, COUNTERS, STORAGE, FALSE CEILING	
II	ELECTRICAL WIRING, CABLING, DATA & TELEPHONE WIRING	
	TOTAL OF PART A	
2	PART-B	
I	TABLE, WORKSTATIONS, CHAIR & SOFA	
II	ELECTRICAL FIXTURE	
	TOTAL OF PART B	
3	PART-C	
	AIRCONDITIONING WORKS	
	TOTAL OF PART C	
4	PART-D	
	(REVENUE) : BLINDS, SUGGESTION BOX, FROSTED FILIMS, MIRROR, COLUMN PANELLING, ACRYLIC FRAMES	
	TOTAL OF PART D	
	GRAND TOTAL (A+B+C+D)	

PROJECT NAME - CARPENTRY WORKS OF NORTH GUWAHATI BRANCH					
CLIENT NAME- INDIAN BANK, GUWAHATI ZONAL OFFICE					
WORK TYPE- CARPENTRY WORKS					
SR.NO.	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
A	PART-A (I) : DOOR, PARTITION, COUNTERS, STORAGE, FALSE CEILING				
1	PARTITION WORKS				
	Note :- The rate shall be include of frame work above false ceiling level. Measurement should be taken				
a	FULL HEIGHT PARTLY GLAZED PARTITION				
(i)	BOTH SIDE LAMINATE	SFT	88.00		
	Providing and fixing partition framing which shall consist of Heavy duty Aluminium Box Sections 50mm x 50mm @ 600mm c/c Horizontally and Vertically . The vertical alternate frames to be fixed to the ceiling with necessary fixtures.The framing shall be fixed with 8/9 mm thk. commercial grade plywood on both side and finished with 1mm Laminate of approved shade and make . Approved make 5/6 mm thick itched Float glass or clear glass fixed with frosted film as per design, to be fixed at an height as mentioned in the drawing or as directed by the architect . The skirting should be as per approved laminate as per drawing and direction. Rate shall be inclusive of necessary hardware items, etc. Complete. The edge beadings with steam beach wood should be finished with melamine Polish.				
(ii)	FULL HEIGHT SOLID PARTITION IN ONE SIDE AC BOARD AND OTHER SIDE LAMINATE (Having Fire Rating	SFT	102.00		
	Providing and fixing partition framing which shall consist of Heavy duty Aluminium Box Sections 50mm x 50mm @ 600mm c/c Horizontally and Vertically . The vertical alternate frames to be fixed to the ceiling with necessary fixtures.The framing shall be fixed with 8/9 mm thk. commercial grade plywood on one side and 12mm thk aesbostos cement sheet on the other sides and finished with 1mm Laminate of approved shade and make over ply and the other side fixed with A.C board to be finished with pop and paint of approved shade and make . The edge beadings with steam beach wood should be finished with melamine Polish.				
	FULL HEIGHT SOLID PARTITION IN BOTH SIDE LAMINATE	SFT	38.00		
	Providing and fixing Full Height Solid partition in aluminium framing which shall consist of Heavy duty Aluminium Box Sections 50mm x 50mm @ 600mm c/c Horizontally and Vertically . The vertical alternate frames to be fixed to the ceiling with necessary fixtures.The framing shall be fixed with 8/9 mm thk. commercial grade plywood on both side and finished with 1mm Laminate of approved shade and make . Approved make 5/6 mm thick itched Float glass or clear glass fixed with frosted film as per design, to be fixed at an height as mentioned in the drawing or as directed by the architect . The skirting should be as per approved laminate as per drawing and direction. Rate shall be inclusive of necessary hardware items, etc. Complete. The edge beadings with steam beach wood should be finished with melamine Polish.				
b.	<u>Semi ht Solid / Glazed Partition</u>	SFT	12.00		
	Specification same as 4 above but of low ht as per the drawing. All external surface and edges to be finish with 1mm thk laminate of approved shade & make. Providing and Fixing inserted Soft board / White boards / Glass maintaining the vertical surface lines and no extra measurements would be taken for the soft boards / white boards / Glass.				
c	FULLY GLAZED PARTITION - WITH TOUGHENED GLASS				
	Providing and fixing of Fixed Glass partition with 10mm thick toughened glass using Standard fittings of above - mentioned makes at the top and grouting at the bottom with U - Shaped Aluminium rails and EPDM gaskets including cutting, making holes in glass and fixing the fittings in floors, false ceiling etc. and making the same good with necessary screw, sealent wherever required. The top fittings to be fitted to the Wooden section fixed above the Gypsum board in the level of GI channels of False ceiling.				
	USING OZONE / HAFFLE / YALE / GODREJ MAKE FITTINGS	SFT	72.00		
2	DOORS				
i	ENTRANCE DOORS - WITH TOUGHENED GLASS (PATCH FITTINGS)				
	Providing and fixing frameless fully glazed 12mm thk toughened float glass fixed with necessary patch fittings(Dorma make) including cutting, making holes, cutouts in the glass of required shape and size to accommodate fittings and fixing the fittings in floors, soffits, jams including necessary fixtures, screws, sealent wherever required and SS cover over patch fittings. Rate shall include necessary etching film / LOGO, approved patch fitting locking systems, 1 pair of 12" long S. S. (C Shape) Handles of approved make, floor springs, and any necessary hardware items.(ABOVE MENTIONED MAKES Top Pivot , Top Patch Fittings, Bottom Patch fittings , Floor Spring , Corner lock with strike plate and Euro Profile Cilinder, C Shape Handle 25mm dia X 300mm length)				
a	DOORS - WITH OZONE / HAFFLE / YALE / GODREJ MAKE FITTINGS	SFT	46.00		

ii	PARTLY GLAZED/ SOLID FLUSH DOOR (Without door frame) FINISHED ON BOTH SIDES/ ONE SIDE WITH				
	Providing and fixing in position 35mm thick solid core flush door shutters conforming to IS 2202 with/ without(as per design) 6mm thick plain Clear Glass(vision panel) finished with frosting film of approved make as per design and pattern. The shutter is to be finished with 1.0mm thk laminate of approved shade and make on both the sides. All edges should be finished with Second Class Teak Wood lipping (minimum thickness 12 mm) with three or more coats of melamine polish. The glass shall be fixed with the flush door shutter by using suitable beading from both sides made out of second class teak wood. Rate shall include the cost of all approved quality hardwares required like nails, screws, handles, lock, heavy duty hinges, door stoppers etc. in case of veneer partition, the rate shall be inclusive of melamine polish of 2-3 coats or further as per the satisfaction of the architect/ engineer incharge, so as to achieve a glossy finish without any marks on the surface. Item to be completed in all respects as per drawings & instructions from EIC /Architect.				
a	WITH BOTH SIDES LAMINATE	SFT	98.00		
b.	WITH ONE SIDE LAMINATE AND OTHER SIDE AC BOARD OF 12MM THK.	SFT	20.00		
3	COUNTERS				
i	LINEAR WORK STATIONS (RUNNING COUNTER)-1050 MM WIDTH (WITH CUSTOMER LEDGE)	RFT	13.5		
	Providing and fixing a <u>Clerical Desk/ Linear Work Station</u> as per the width as mentioned above. Each top shall be provided with a pedestal (set of three drawers with central locking system either movable or fixed to the table), 1.no metal computer key board tray as per architect's design fixed with telescopic /double (haffle/albihari/solo make) sliders ,a 3" dia PVC wire manager of approved quality near the CPU/Monitor position as shown in the drg. 1 no Metal CPU Trolley to be provided below the desk as shown in the drg and a foot rest under the table as per design. All the inner surfaces shall be finished with Laminate finish of approved shade. Rates shall be inclusive of all necessary approved fittings like locks(godrej/vijayan make) for drawers and any misc. hardware items It shall consist of 3/4" thk. Comm. Ply top as per design (double edge on the front and back with 1 1/2" thk half round moulding on the edges) supported on 3/4" thk. Comm. Ply verticals at every 4'-6" length. Suitable (as per Architects design) wooden moulding with mellamine shall be provided to the edge of the top. The top of the counter should be finished with 1.0mm Laminate and all other external surfaces to be finished in 1.0 mm. Thk. Laminate (suede finish)of approved make. Afoot rest made out of 19mm thk plywood as per the design or as directed by the architect shall also be provide below the counter.Rates shall be inclusive of all necessary approved fittings like locks(godrej/vijayan make) for drawers and any misc. hardware items				
ii	CASH COUNTER 1650 mm x 1950 mm , with partitions ,Rear Door etc. all complete	NOS	2		
	Providing and fixing Cash Counter in Laminate finish of clear internal dimension 5'-6" X 6'-6" all complete with glazed partition in 12 mm thk itched glass as per design in front including rear doors fixed with Godrej Make Night Latch, The counter shall be provided with a table top of 2'6" deep of 1 1/2" thk and finished with laminate of approved shade. The counter shall comprises of a Metal key board Tray, Metal Cpu Trolley, Wire Manager etc.A drawer unit comprising of three drawer set shall be fixed with the counter or as directed by the architect. The drawer unit shall have a central locking arrangement and the lock should be of godrej make. Rates shall be inclusive of all hardware fittings like locks, handles, hinges, telescopic channel etc as required. A foot rest made out of 19mm thk plywood as per the design or as directed by the architect shall also be provide below the counter. provision should be made on side by providing a niche of size 6" x 6" on sides of counter for boucher passing. <u>NOTE- Rates shall be inclusive of all semi ht semi glazed partition of maximum height 6'-0" from FFL on sides and back and no claim of partition in cash cabin will be entertained extra.</u> i)Working top made with 25mm thick plywood finished with 1mm thick laminate. Outside edge of the working top shall be provided with 1 1/4"x1" Teak Wood moulding finished with melamine polish. Inside edge will be provided with 1/2"x1" T.W. beading patti with melamine polish.ii)Vertical facia (Apron) made with 18mm thick plywood finished with 1mm thick laminate with 1mm thick groove at the joint of laminates of two different shades.				

	iv)1'-0" height solid partition over working top and fixed with a ledge(transaction top) made in 19mm thk plywood and flexi ply and finished with 6mm thk Corian of approved shade and make @3'-6" from finished floor lvl (Mirror Polished) rounded and taken below as apron with necessary grooving for strip light as per design. The ledge should be such that it is projecting 4" inside the counte and 8" outside the counter and rounded and taken down to 2'-6" above Finished floor level on customer side v) A gap of 4" should be left above the transaction top (all along the width of the teller counter) vi) Glazed partition having height 1'.0" above the transaction top (in facia) and also above 4" clear gap shall be provided with 12 mm thick glass (itched) as per drawing. The edges of cut out 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 the drawing. vii) FULL Glazed (IN FRONT, SIDES AND BACK till 6'-0" lvl from ground level) partition provided with 12mm thick glass (itched) 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. ix) Telescopic CPU Stand/ ready made Keyboard tray shall be provided of approved model and make. x) Footrest made with T.W. member of size 4"X1 1/2 " finished with french polish.				
	xi) Drawer units as per drawing 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 1mm thick laminate and all other sides shall be finished with white enamel paint. The drawers 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 12mm thick plywood finished with Synthetic enamel paint shall be provided below the table top for electrical conduiting and at the bottom for the LAN cabling/Telephone wire conduiting. <u>The item to include all necessary hardware and fittings in Stainless Steel finish. Necessary beadings with matching melamine polish for fixing the glass are to be provided as per drawing/ as directed. Rates shall also be inclusive of Doors with Godrej Night Latch for Cash counters</u>				
	<u>Note- Since no partition is to be executed on one side of the Cash Counter sharing the existing Brick Wall, it should be done with full ht panelling and the rate quoted for the cash counter shall be inclusive of the same. If panelling is not done on the same wall inside the Cash Counter then necessary deduction shall be made for that area as per the quoted rate of panelling works.</u>				
4	STORAGES				
1	LOW HT RUNNING STORAGE (1'-6"DX2'-6"HT) (BACK CADENZA)	SFT	76		
	Providing and laying low ht Storage unit of sizes as mentioned above. They shall consist of 3/4" thk plywood for top, base and sides and base 1/4" thk marine plywood, 3/4" thk plywood shutter with self closing hinges of haffle make (full ovel open) & PVC lipping matching with the approved shade of laminate on all the edges. All external surfaces shall be finished with 1.0mm thk laminate of approved shade and make. Divisions of the shutter shall be make equally according to the length of the storage. A 3/4" thk fixed ply wood shelf on battens shall be provided @16" intervals from the base. Suitable wooden moulding (as per Architects design) with mellamine polish shall be provided to the edges of the storage top. All inner surfaces including shutters shall be finished with natural french polish. Rates shall be inclusive of all necessary approved fittings like hinges (haffle make), locks, 3" long brushed finish handle, tower bolts and any other misc hardware items of approved make				
2	SHUTTER BOXING	SFT	32		
	Providing and Fixing Shutter Boxing with 19mm thk Marine Ply and Finished with Aluminium Composite Panel. The boxing of shutter should be made opennable type for periodic maintainance. <u>Note the mode of measurement would be the multiplication of the length and the height of the boxing</u>				
3	OVER HEAD STORAGE	SFT			
	Providng and fixing over-head storages which consists of 3/4" thk plywood shutter with self closing hinges of haffle make (full ovel open) & t.w lipping matching with approved laminate on all the edges. They shall consist of 3/4" thk plywood top, sides and bottom and 1/4" thk marine plywood back. A 3/4" thk ply wood palmet shall be provided below the storage to house the tube light. All the external surfaces shall be finished with 1.0mm thk laminate of approved shade. Divisions of shutter shall be made equally in accordance to the length of the storage. All internal surfaces shall be finished with french polish including the shutter. Rate shall be inclusive of all necessary hardware fittings of approved make like- hinges, locks, tower bolts, handles etc. Note- the pelmet for tubelights will not be considered as separte item on in the measurement				
4	FULL HT. STORAGE	SFT			

	Providing and fixing storage units of full height as per drwng. They shall consist of 18mm thk.comm. ply top, sides,back, bottom, shelves and shutters. The bottom of the storages shall be at 3" from FFL. The top of storages shall touch the false ceiling level or 7'-0" ht. The shutter with box type hinges of approved make & steam beach lipping finished with melamine with approved laminate on all the shutter edges. Division of the shutters shall be made equally according to the length of the storages (as approved by Bank/ architect). All the external surfaces shall be finished with 1.0mm thk. Laminate (suede finish) of approved make. 18mm thk. Comm. Ply shelves removable type supported on side steam beach wood battens on both sides at 16" interval (approximately / divided equally) shall be provided. All inner surfaces shall be finished with laminate including the shutters. Rate shall be inclusive of all necessary approved fittings like hinges, locks, 150mm long SS brushed finish handles,tower bolts, locks and any necessary hardware items. The top ply edge should be fitted with 19mm x 7mm size steam beach moulding finished with melamine.				
5	FALSE CEILINGS				
6	GYPSUM BOARD CEILING WITH POP PUNNING AND PAINT	SFT	550		
	Providing and fixing 1/2" thk Gypsum India Board false ceiling at levels as shown in the drg. From the FFL. Rate shall be inclusive of all Gypsum India Components contained G.I perimeter channels of size 0.55 thk having one flange of 20mm and another flange of 30mm and a web of 27mm along the perimeter of the ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws at 610mm centres. The suspending G.I intermediate channels of size 45mm, 0.9mm thk with two flanges of 15mm each from the soffit at 1220mm centres with ceiling angles of width 25mm x 10mm x 0.55mm thk fixed to soffit with G.I cleat and steel expansion fastner at every 610mm c/c. Ceiling sections of 0.55mm thk having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in directions perpendicular to the intermediate channel at 457mm centres. 12.5mm tapered edge Gypboard is then screw fixed to ceiling section with 25mm drywall screws driver or drilling machine with suitable attachment. The board are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edge of the boards with jointing compound & jointing paper tape. Rate shall be inclusive of any vertical ceiling part, cutouts for spot and tube lights, a.c grills, fire and security system cutouts. All Sections should adhere to the manufacturer's guidelines . Rate shall also be inclusive of POP punning over all ceiling cover up all joint and marks of the jointing tape etc. and then finally finishing the same with 2-3 coats of Luster paint of approved shade and make over the finished surface of the ceiling				
	Note- Rates shall be inclusive of The drop/band of 6"-12" between the gypsum(at lower level) and Armstrong(at heigher level). No extra can be claimed for the same. Amount will be paid as per the measurement of the horizontal surfaces of Gypsum and Armstrong and nothing will be paid for vertical surface / band/ drop as it is all inclusive				
7	MODULAR FALSE CEILING- ARMSTRONG make	SFT	328		
	Providing and fixing Armstrong (Fine Fissured Micro Look with Tagular Edge using 15mm grid sections) false ceiling of size 24" X24" AT LEVELS AS SHOWN IN THE DRG. FROM THE FFL. Rates shall be inclusive of providing the total system with installation etc. The contractor has to maintain all ceiling tiles in good order and replace the defective tiles (at his own cost) before the handing over of the site.				
	TOTAL OF PART-A (I) : DOOR, PARTITION, COUNTERS, STORAGE, FALSE CEILING				
B	PART-B (I) : TABLE, WORKSTATIONS, CHAIR & SOFA				
1	TABLES & WORK STATIONS				
i	OFFICER'S TABLE (2'3" x 4'-6" x 2'-6" ht)	NOS	1		

	Providing and fixing a desk of overall size of top as mentioned. It shall consist of 3/4" thk plywood top as per design(double edge on the front and the back with 1 1/2" thk half round moulding on the edges) supported on 3/4" thk plywood verticals. Suitable (as per architect's design) wooden moulding with mellamine polish shall be provided to the edges of the top. A 3/4" thk plywood apron shall be provided as per architect's design with necessary pattern. The table top shall be finished with 1.0 mm thk laminate of approved shade and all external surfaces to be finished with 1.0mm thk laminate of approved shade. Each top shall be provided with a pedestal (set of three drawers with central locking system either movable or fixed to the table), 1.no metal computer key board tray as per architect's design fixed with telescopic /double (haffle/albihari/solo make) sliders ,a 3" dia PVC wire manager of approved quality near the CPU/Monitor position as shown in the drg. 1 no Metal CPU Trolley to be provided below the desk as shown in the drg and a foot rest made out of 19mm thk plywood as per the design or as directed by the architect shall also be provide below the counter. All the inner surfaces shall be finished with Laminate finish of approved shade. Rates shall be inclusive of all necessary approved fittings like locks(godrej/vijayan make) for drawers and any misc. hardware items				
ii	CLERICAL TABLE (2'0" x 4'-0" x 2'-6" ht)	NOS			
	Specifications same as above but of overall size as mentioned here				
iii	MANAGER'S TABLE(2'-6" X 6'-0" X 2'-6") WITH 6MM THK CLEAR GLASS WITH POLISHED EDGES ON	NOS	1		
	Providing and fixing a desk of overall size of top as mentioned. It shall consist of 3/4" thk plywood top as per design(double edge on the front and the back with 1 1/2" thk half round moulding on the edges) supported on 3/4" thk plywood verticals. Suitable (as per architect's design) wooden moulding with mellamine polish shall be provided to the edges of the top. A 3/4" thk plywood apron shall be provided as per architect's design with necessary pattern. The table top shall be finished with 1.0 mm thk laminate of approved shade and all external surfaces to be finished with 1.0mm thk laminate of approved shade. Each top shall be provided with a pedestal (set of three drawers with central locking system either movable or fixed to the table), 1.no metal computer key board tray as per architect's design fixed with telescopic /double (haffle/albihari/solo make) sliders ,a 3" dia PVC wire manager of approved quality near the CPU/Monitor position as shown in the drg. 1 no Metal CPU Trolley to be provided below the desk as shown in the drg and a foot rest made out of 19mm thk plywood as per the design or as directed by the architect shall also be provide below the counter. All the inner surfaces shall be finished with Laminate finish of approved shade. Rates shall be inclusive of all necessary approved fittings like locks(godrej/vijayan make) for drawers and any misc. hardware items				
iv	SIDE CADENZA				
	Providing and laying side cadenza of above sizes and as mentioned in the drawing.It shall consist of 3/4" thk plywood top, side and bases and 1/4" thk back. The edges on th top shall be provided with suitable(as per architect's design)wooden moulding with melamine finish.A pair of 3/4" wood shutters will be provided which will slide on 1" x1" wooden battens above skirting. 1"a3/8" deep vertical depression shall be made on each shutters to act as handle as shown in the drawing. All external surfaces should be finished in 1.0mm laminate of approved shade and make. A 3/4" thk fixed ply wood shelf on battens shall be provided at 16" intervals from the base.Rates shall be inclusive of necessary approved fittings like sliding rollers, locks, tower bolts and any other misc. hardware items				
(a)	SIZE - 1050MM X 400MM X 750MM (For BM only)	NOS	1		
(b)	SIZE - 975MM X 400MM X 750MM	NOS	1		
v	BACK OFFICE RUNNING COUNTER FOR SUB-STAFF	RFT	4		
	Providing and laying wall mounted Plain Table for Substaff with a Pencil Drawers for over all size of top as mentioned above. It shall consist of 3/4" thk. Comm. Ply top as per design (double edge on the front and back with 1 1/2" thk half round moulding on the edges) supported on 3/4" thk. Comm. Ply verticals at every 3' length. Suitable (as per Architects design) wooden moulding with mellamine shall be provided to the edge of the top. The top of the counter should be finished with 1.0mm Laminate and all other external surfaces to be finished in 1.0 mm. Thk. Laminate (suede finish)of approved make.				
vi	WALL MOUNTED WRITING TABLE 0'-10" TO 1'- 0" WIDE	RFT	4		
	Providing and Fixing wall mounted writing ledge as per design. The top shall be made of 19 mm thk plywood fixed with flexi ply to achieve curved surfaces on either sides as per design and fixed with 6mm thk corian , mirror polished, of approved shade and make. The ledge shall be provided with 10" high plywood selves with necessary partitions in between made out of 19mm thk plywood and finished with laminate of approved shade. ledge should be supported on 19mm thick comm. ply on rear side for fixing to the wall. The bottom ply piece to be supported additionally with 2 Nos. of SS Brackets.				
	TOTAL OF PART - B (I) : TABLE , WORKSTATIONS , CHAIR & SOFA				

C	PART-D (REVENUE) : BLINDS, SUGGESTION BOX, FROSTED FILMS, MIRROR, COLUMN PANELLING, ACRYLIC FRAMES				
1	PANELLING ON COLUMNS/WALLS/DOORS WITH/ WITHOUT FRAMING				
i	IN PLYWOOD FINISHED WITH LAMINATE FINISH	SFT	512		
	Providing and fixing panelling on walls/ columns with or without framing as per the directions of the architect. Framing if required and provided, shall consists of aluminium sections 50mm x 40mm(wall thickness 2mm) @ 2'-0" c/c both ways horizontally and vertically on the wall. The framing would be covered with 1/4" thk plywood finished in approved shade of laminate of thickness 1.0mm. Wooden moulding, lipping etc as directed by the architect shall be provided wherever required. The panelling should be done in such a way that it can house the sliding folding partition when fully opened and remain in flush with the panelling				
2	NOTICE BOARD	SFT	12		
	Providing and fixing notice board size as required/ directed (matching with the panel of the cabin) with openable shutter on the front. Made out of 19mm thick Steam beech veneered block board frame and outer frame in 2 1/2" x 1 1/2" Steam beech wood section , concealed hinges , locking arrangement , and glass of (5.5mm thick) with rear panel of SITATEX board , covered with fabric of approved shade. (Basic rate Rs.100/-per mtr , 48" width), fixed to back ply 6mm thick . All complete including melamine polish in stain of required shade. All complete as per approval of the Architect / employer				
3	COMPLAIN BOX & SUGGESTION BOX	NOS	1		
	Supplying and erecting free-standing complain box of overall size 300 mm long x 200 mm deep x 450 mm high made of 19 mm thick phenol formaldehyde block board, all as in drawing, complete with hardware fittings and fixtures of approved make and quality.Top and all exposed surfaces of block board are to be finished with 1.00 mm thick laminate sheet of approved shade and quality. Inner faces of block board surfaces are to be finished with minimum two coats of synthetic enamel paint of approved shade and quality over a coat of approved primer.				
4	CHEQUE DROP BOX	NOS	1		
	Supplying and erecting cheque drop box (overall size 450 mm x 300 mm x 750 mm) made of 19mm thick phenol formaldehyde bonded plyboard and the curved portion at top made out of 90 mm x 90 mm C.P teak wood section. A slit opening of 10 mm x 150 mm is to be provided at the top of the box. An openable shutter of 259 mm x 262 mm size made of 19 mm thick phenol formaldehyde bonded block board is to be provided at 1.50 mm above finished floor level. All the exposed timber surfaces including all free edges are to be finished with 1 mm thick laminate sheet of combination shade .Inner faces of block board surfaces are to be finished with minimum two coats of synthetic enamel paint of approved shade and quality over a coat of approved primer.Rate to include cost of necessary hardware fittings e.g. brass hinges, lock, knob etc. of approved designand quality.				
5	COLOURED ACRYLIC SHEET LOGO FOR THE BANK, (BACK LIT) OVERALL SIZE 450MM X 450 MM-	NOS	1.00		
	Supplying , fabricating and installation of BOB's Logo made of coloured acrylic sheet 5-6mm thk in box section, and as per the sizes as mentioned in the detailed drawings . This Coloured Acrylic sheet box logo should be fixed with light from inside so as to have a back lit , as per the direction of the architect.				
6	VERTICAL BLINDS	SFT	60.00		
	Supplying and Fixing VERTICAL BLINDS Vista/Mac/Parytex make. Blinds made using 100% polyester with acrylic polymer coating, of the shade and colour as approved by the Arcitect/ Bank ffficial(only for external windows. In case of front facia necessary approval need to be obtained)				
	TOTAL OF PART-D (REVENUE) : BLINDS, SUGGESTION BOX, FROSTED FILMS, MIRROR, COLUMN PANELLING, ACRYLIC FRAMES				
A+B +C	GRAND TOTAL				

BOQ FOR ELECTRICAL WORKS FOR NORTH GUWAHATI BRANCH**CLIENT NAME- INDIAN BANK, GUWAHATI ZONAL OFFICE****WORK TYPE- ELECTRICAL WORKS****GENERAL NOTE**

- 1 **UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduict. (From**
- 2 **All wires for circuit wiring and other wiring should be drawn inside M. S. Conduits Only unless otherwise specified**
- 3 **Specifications of all wires should be followed strictly as mentioned in the BOQ**
- 4 **All makes of materials should be strictly followed as mentioned in the detailed specifications of the Tender document**
- 5 **Earthing Test Certificate should be provided alongwith the Final bill for further bill verification**
- 6 **Single Line diagram showing the all the wiring including point wiring, computer and RAW power wiring, Circuit wiring etc. all**
- 7 **Only DATA and Voice point wiring is allowed to be carried out through PVC Conduits**

PART A: ELECTRICAL WIRING, CABLING, DATA & TELEPHONE WIRING

Sl. No	Description	Unit	Qty	Rate	Amount
1	S.I.T.C. of Factory Manufactured Single/ 3 Phase & Neutral Double Door Distribution board made out of 16 SWG sheet steel enclosure with cutouts for operating MCB/MCCB/RCCB etc. knobs & consisting of Phase, Neutral & Earth Busbars with tapped holes , phase barriers, & covers with removable plates on Top & bottom for Incoming & Outgoing Cables . D.B.'s shall be flush mounting type for both single & three phase. S.I.T.C. of 3 phase & N 4 way Double Door Vertical Distribution Board with following 4 Pole ,Type C, 63Amp M.C.B. as Incomer - 1 no.s SP ,Type C, 25 Amp M.C.B -1 no. For RAW POWER DB INPUT (Water Dispenser & Mobile Charger Load) SP,Type C, 25 Amp M.C.B -2 no. For LIGHT DB & RAW POWER DB INPUT SP,Type C, 25 Amp M.C.B-1 no. For U.P.S. Incomer (3-4 KVA UPS WILL BE USED) S.P.,25 Amp MCB -1 no. For Inverter Input S.P. 16 Amp MCB - 2 Nos For AC S.P. 20 Amp MCB - 2 no.s For AC Blanking Plates - 2 nos. <u>Note- Rates Shall be inclusive of S.I.T.C. of 4 X16 Sq.mm. F.R.L.S. Copper Flexible wires with 2 X 10 Sqmm Copper Earth Wires in Rigid PVC conduit from 100 A MCCB in Metal Box (Metering Cabinet) at the output of Br. Meter to Main DB through</u>	No.	1		
2	MAIN SWITCH Supply and fixing of following MCCB Unt with MCCB in sheet steel enclosure on M.S. angle frame / M.S. legs on wall complete with interconnection, mending good damages to original finish, painting, etc. as required. a)63A 4P 16KA MCCB	No.	1		
3	MCB DISTRIBUTION BOARD				
	Supplying, installation, testing and commissioning of surface/recess mounting, 220/415 volts prewired MCB distribution boards with all switchgears as specified below, of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned uniformly rated electrolytic copper bus-bar, common neutral link, earth bar, din bar for mounting MCB/MCCB/RCCBs detachable gland/knock out plates and with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/neutral link and ready for installation as specified below:				
3.1	S.I.T.C. Of L.D.B. [MCBDBL] (LIGHT DB)				
a	Light DB- S & I of 6 Way SPN, DB for distribution to all Light points of different areas (as indicated in the circuit diagram), having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) - 1 no 25A(30mA) DP RCCB as incomer , 4 nos 6A SP MCB as outgoing	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3X 2.5 Sq.mm. F.R.L.S. copper flexible wires in 19/20 mm. Medium Gauge PVC conduit from Main D.B To L.D.B</u>				
b	S.I.T.C. Of P.D.B. [MCBDB-POWER] (Raw Power DB)				

	S.I.T.C. of Single Phase 6 way Double door D.B. with Incomer. Double pole 100 Milliamp & 40 Amp R.C.C.B. - 1 No . 10 Amp S.P. Amp M.C.B. - 3 No and 10 A/16 A MCB- 1 Nos Spare (One MCB for Branch Sign Board). with all wiring connections.(Max. 2 work-Station Points to be looped on one MCB, 3 nos. in exceptional case.)	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid PVC conduit from Main DB to Power DB</u>				
c	U.P.S. D.B. : (Output) [MCBDB-UPS/1]				
	S.I.T.C. of Single Phase 6 way Double door D.B. with Incomer. Double pole 63 Milliamp & 40 Amp R.C.C.B. - 1 No . 10 Amp S.P. Amp M.C.B. - 3 No and 10 A/16 A MCB- 1 Nos Spare (One MCB for Branch Sign Board). with all wiring connections.(Max. 2 work-Station Points to be looped on one MCB, 3 nos. in exceptional case.)	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid PVC conduit from Main DB to MCBDB-UPS-1. (body to be earthed)</u>				
d	S.I.T.C. Of ACDB [MCBDB- AC]				
	Supply Installation Testing and Commissioning of Three Phase 4 way Double door Distribution Board with all wiring connections. Incomer : - 40A FP RCCB (100mA) : - 1 No. Outgoing : - 6A SP MCB : - 18 Nos.	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm² + 2x4.0 mm² F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage PVC conduit from Main Panel To Lighting DB</u>				
e	DG Set Accessories:				
	4 Pole 63 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided)	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 4 X16 Sq.mm. F.R.L.S. Copper Flexible wires with 2 X 10 Sqmm Copper Earth Wires in Rigid PVC conduit from DB to the Changeover switch</u>				
f	S.I.T.C of UPS Input and Out Put Point as under- 40A FP MCB with IP 45 Enclosure (For UPS input & output, for 2 Nos UPS)	No.	4		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0/10sqmm+ 2x4.0 sqmm F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage PVC conduit</u>				
4	POINT WIRING				
4.1	Supply & Installation of concealed point wiring using 3 x 1.5 sqmm stranded FRLS copper conductor in <u>M.S Conduit</u> including the cost of circuit wiring from the relevant DB's with 3x 1.5 sq mm stranded FRLS copper conductor in <u>M.S Conduit</u> . PIN GRIP Lugs should be used for connection/ terminations at both the ends with proper colour coding of phase, neutral and earth wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). The rate shall also include concealed M.S Box, Cover Plate and Switches of grid plate type switches and sockets of approved shade and make as approved by Bank / Architect. Each circuit should not have more than 8 points / 800 W in one loop as per the following configuration.				
a (i)	Primary light points including the cost of 6A switch	Pts	30		
(ii)	Primary light points including the cost of 6A switch in UPS Power	Pts	7		
b	Secondary light points looped from the above point - a(i)	Pts	8		
c	6A plug point as primary point. [SO]	Pts	1		
d	Secondary 6A Plug point on switch board. [SO]	Pts	1		
e	16A Plug Point directly taken from DB for hotplate/geyser / zerox / fridge [P]	Pts	1		
f	Exhaust fan/ Wall Fan point consisting of 6A socket near fan and switch on light switch board	Pts	13		
g	Ceiling fan point with electronic regulator (2 module step, 100 watt (min.)	Pts	1		
h	Wiring for Signages with 2R x2.5 Sq.mm and 1 Rx 1.5 Sq.mm, PVC insulated copper conductor flexible cable to be connected to the SPN D/D consumer along with a Timer and Contactor unit installed in Electrical Room room	Set	0		
i	S.I.T.C. of call bell with bell point .	Nos.	1		
4.2	COMPUTER/ RAW POWER WIRING				

	Note- All sockets should be placed below the workstations as mentioned in the drawings but the controlling switch should fixed above the work stations and at place as directed by the architect				
a	Supply & Installation of concealed UPS or stabilized power plug points on workstations / table for computers using 3 x 1.5 sqmm stranded FRLS copper conductor in <u>M.S Conduit</u> including the cost of circuit wiring from the relevant DB's with 3 x 4.0 sq mm stranded FRLS copper conductor in <u>M.S Conduit</u> . PIN GRIP Lugs should be used for connection/ terminations at both the ends with proper colour coding of phase, neutral and earth wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). Each point shall consist of 2 Nos of 6A/16A 2 / 3 Pin sockets and 1 No 16A switch, wired together forming one point. Switches and sockets to be of approved shade and make. (Only 2 tables served by one circuit from UPS DB/ Not more than 2 points shall be permitted per loop) Cost is inclusive of necessary cutting the walls/ partitions and carrying all the wires through <u>M.S Conduit</u> and againg finishing the walls with Putty/ Cement/ POP to receive the final paint.. [SOC]	Pts	8		
b	S & I of points similar to above but to be used as raw power point on the tables consisting of one 6/16A socket with switch of other color and flexible cable of black color & circuit taken from Raw Power DB (4 tables served by one circuit from LDB/PDB) Taken Above False ceiling and through walls/ partitions inside M.S. Conduits as raceways are not provided. Cost is inclusive of necessary cutting the walls and including M.S. Conduits as required for taking the wires.	Pts	8		
c	1 Nos of 6A sockets/SWITCH with one No. of 6A switch.. UPS Power/Raw Power ON CASH COUNTER	Pts	2		
d	1 No of 6A/16A switch sockets 6pin. Raw Power/Raw power FOR PRINTERS/ XEROX & OTHER UTILITIES,	Pts	2		
5	EARTHING (I NO FOR RAW POWER AND 1 NO FOR UPS POWER SUPPLY)				
5.1	Earthing with copper earth plate 600 mm x 600mm x 3 mm thick including accessories, and providing masonary enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required. (for panels, servo stabilizer and IT system)The rate shall be inclusive of necessary 8 SWG dia copper wire on surface or in recess for loop earthing as required.	Each	2		
	Note- Test Certificate for Earthing Shall be submitted with final bill for processing of final bill for payment				
6	WIRING FOR DATA AND VOICE OUTLETS				
6.1	Supplying, laying and termination of 4 pair Copper solid, twisted pair G600 CAT--6 cables through specified dia PVC conduits / raceways. Cables must meet and exceed category 6/ class E standards requirements in ISO/IEC11801, CENELEC EN50173 & TIA 568-B2-1. and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule. Note- Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description				
a	RJ-45 for data points (THROUGH False ceiling and wall)	points	8		
b	5' Long Patch chord with crimping on both ends	Nos.	8		
6.2	Network Rack Mount Recessed Frame for DATA Terminations including Cat 6 Jack Panel for 12 DATA Points	No.	1		
7	A.C. POINT WIRING				
	20A AC Points consisting of 16A socket near the AC and Switch on Switch Board with 3 x 6 sqmm stranded FRLS copper conductor in M.S Conduit . Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm2 + 2x4.0 mm2 F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage MS conduit from ACDB till the socket	Nos.	4		
	TOTAL OF PART A: ELECTRICAL WIRING, CABLING, DATA & TELEPHONE WIRING				
	PART B: ELECTRICAL FITTINGS & FIXTURES				
	LIGHTING FIXTURES (Bajaj or equivalent)				

1	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
a	<u>DOWN LIGHT</u> - Round LED recess-mounted designer panel with aluminium die cast housing , Item Code- BAJAJ BGSLO SLEEK 18W WH RD, Wattage-18W, CCT- 4000 K, or equivalent as approved by the Engineer-incharge/ Architect. [DL]	Each	14		
b	<u>PANEL LIGHT</u> - Sauver Ultra Slim LED Panel made from extruded aluminium housing frame (recess / pendant) 2ft x 2ft , Item Code- BAJAJ BZRSQ 30W GZi , Wattage-30W, CCT- 4000 K, or equivalent as approved by the Engineer-incharge/ Architect. [PL]	Each	13		
c	<u>1200 MM TUBE LIGHT</u> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Item Code-LGLZ01x020XN , Wattage-20W, CCT- 4000 K, or equivalent as approved by the Engineer-incharge/ Architect. [TL]	Each	7		
d	<u>600 MM TUBE LIGHT</u> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Item Code-LGLZ01x010XN , Wattage-10W, CCT- 4000 K, or equivalent as approved by the Engineer-incharge/ Architect. [FL]	Each	4		
2	Supply and fixing of 10" - 12" PVC exhaust fans with louvers.[EF]	EACH	3		
3	Supplying including fitting fixing of following star rated A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Department [Without regulator]. (ORIENT PSPO make / Usha make/ CROMPTON make/ATC/ V GAURD make)				
i	a) 1200 mm sweep [F]	EACH	1		
ii	b) 600 mm sweep [F]	EACH	0		
4	Supplying including fitting fixing of following star rated Plastic Blade, new 400-450 mm dia bracket/wall fan of Ivory Colour , complete with all accessories of following sweeps with making necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Department				
i	a) 400- 450 mm sweep	EACH	10		
TOTAL OF PART B: ELECTRICAL FITTINGS & FIXTURES					

PROPOSED LAYOUT PLAN OF NORTH WING

The layout plan shows the following rooms and features:

- Entrance:** Indicated by a red triangle at the bottom center.
- Banking Hall:** A large central area with dimensions 18'-10" (width) and 8'-9 1/2" (depth). It contains several service counters and seating areas.
- Writing Ledge:** A small area adjacent to the Banking Hall.
- Strong Room:** A large secure area on the left side of the plan.
- UPS/Battery:** A room adjacent to the Strong Room.
- Pantry:** A room with a sink and stove, located near the Strong Room.
- Store Room:** A room with multiple doors, located near the Pantry.
- Restrooms:** Labeled "HER" (women) and "HIS" (men) near the Store Room.
- Low Height Storage:** Three storage areas along the top wall.
- Dimensions:**
 - 18'-10" (Banking Hall width)
 - 8'-9 1/2" (Banking Hall depth)

ABOVE KALITA ENTERPRISES, 1ST FLOOR
BANK OF INDIA ZOO ROAD BRANCH BUILDING,
JONALI, R.G. BARUAH ROAD, GUWAHATI-781024
PH- +91-361-2970463, +91-9854062928