

**ESTIMATED BOQ FOR FURNISHING WORKS OF CENTRAL
BANK OF INDIA,KATHIATOLI BRANCH, NAGAON,
ASSAM (UNDER R.O: UPPER ASSAM, Z.O: GUWAHATI)**

ESTIMATED BOQ FOR FURNISHING WORKS OF CENTRAL BANK OF INDIA,KATHIATOLI BRANCH, NAGAON, ASSAM (UNDER R.O: UPPER ASSAM, Z.O: GUWAHATI)					
I	CARPENTRY WORKS				
NOTE:	The materials specified must be followed and in case of any deviation due to its unavailability, prior approval from Architect is a must.				
	Laminate (1.0mm thk) of Century/ Merino/ Greenlam, basic price=Rs.43/sft				
	THE RATES ARE EXCLUDING G.S.T. AND THE SAME SHALL BE PAID SEPERATELY				
	All ply/ block boards to be used shall be of BWP grade (prior approval is necessary) and laminate fixing to be done with Fevicol Marine.				
	All inner surafce of the Table, Storage, Drawer etc. to be finished with 0.8mm thick laminate of approved shade and not paint work to be done on the same.				
S.N.	DESCRIPTION	UOM	RATE	QNTY	AMOUNT
1	TABLES (2'6" HEIGHT)				
	P/F tables of over all size of top as mentioned. It shall consist of 19mm thk. . ply on top and sides with suitable box type design in front and back part as per the detail drawings. The front side of the table shall consist of 19mm thick ply. 1Nos of drawer unit of size 16" (wide) fixed on telescopic channel and a shelf with shutter above 4" skirting to be provided with individual locks. The external surface of the table to be finished in 1.0 mm. Thk. Laminate (suede finish) of approved make and shade as per the Architects design; also all inner surfaces including the inner surfaces of the drawers should be finished with 0.80mm thk laminate of matte finish. Each top should be provided with 3" dia PVC wire manager of approved quality near the CPU / Monitor position. Rate shall also include the provision of locks of Godrej make or, equivalent 4" SS handles, CPU Trolley, Keyboard Tray in ply with laminate finish (1.0mm thick), foot rest (finisehd with lamiate), placing , fixing at site , transportation etc. complete.				
I	OF SIZE: 6'X3'0"W (FOR BRANCH MANAGER)	NOS		1.0	
II	OF SIZE: 5'X2'6"W (FOR OFFICERS)	NOS		0.0	
III	OF SIZE: 2'9"W (FOR CONTINUOUS COUNTER)	RFT		20.0	
IV	OF SIZE: 2'6"W (FOR DAFTARI-WITHOUT KEYBOARD & DRAWER UNIT)	RFT		0.0	
2	CASH COUNTER WITHOUT SIDE PARTITION & DOOR (4'-6"X7'0")	NOS		1.0	
	The overall height of the cash counter shall be 7'0" from floor finish level (ffl.). Providing and laying cash counter of over all size of top as mentioned or as per the drawing. It shall consist of 19mm thk. . ply on top and sides with suitable box type design in facia with transaction ledge facility on top at 3'6" ht., 9" projected out and its both side to be supported on the partition as per the detail drawings. The front side of the table shall consist of 19mm thick ply as per the design. 3Nos of drawer unit of size 16" (wide) fixed on telescopic channel above 4" skirting to be provided with individual locks. The external surface of the table to be finished in 1.0 mm. Thk. Laminate (suede finish) of approved make and shade as per the standard design of the bank; also the inner surfaces including the inner surfaces of the drawers should be finished with 0.80mm thk laminate of matte finish. The facing edges of all ply wood sections should be either provided with steam beach lipping finished with melamine or edge tape. Each top should be provided with 3" dia PVC wire manager of approved quality near the CPU / Monitor position. Rate shall also include the provision of locks of Godrej make or, equivalent 4" SS handles, CPU Trolley, Keyboard Tray in ply with laminate finish (1.0mm thick), foot rest, placing , fixing at site , transportation etc. complete. 12mm thick Clear Glass with frosted film paper and with proper provision of glass cuts for transaction and audibility of customers (as per design) to be provided/ fixed above the customer transaction top/ledge of the cash counter till 6'6" ht. from ffl with necessary support from side & top partition with S.S. finished D-bracket in concealed manner. The exposed edges of glass to be mirror polished. THE RATES ARE INCLUSIVE OF TRANSACTION LEDGE, GLASS ABOVE TRANSACTION LEDGE AND FRONT SIDE PARTITION OF 6" (BOX TYPE DESIGN) TILL 7' HT FROM FFL.				
3	FULL HT SOLID PARTITION IN LAMINATE FINISH (7'/ above HT)	SFT		300.0	
	P/F full height partition, the framing shall consist of aluminium square of size 50mm having wall thickness 1.20mm @ 600mm c/c both ways horizontally and vertically with necessary support from the RCC/ pucca ceiling. The framing shall be covered with 6 mm thk. ply on both side and finished with 1.00 mm thk. Laminate of approved shade. Rate shall be inclusive of necessary hardware items, etc. complete.				

4	FULL HT PARTLY GLAZED PARTITION (8' HT)	SFT	0	0.0	0.0
	Specification same as above (full ht solid prtition) but with 6mm thick clear glass to be fixed above 3' till door height as per design.. Rate shall be inclusive of all necessary hardware items, transportation etc. complete.				
5	FULL HT PARTLY GLAZED SIDE PARTITION FOR CASH COUNTER (10MM THK CLEAR GLASS)	SFT		37.0	
	Specification same as above but with 10mm thick clear glass to be fixed above 3' till 6'6" height/ as per design with proper provision of glass cuts for voucher/ receipt transaction. Rate shall be inclusive of all necessary hardware items, transportation etc. complete.				
6	SEMI HT. SOLID/ SEMI GLAZED PARTITION	SFT		108.0	
	P/F 4' height partition, the framing shall consist of aluminium square of size 50mm having wall thickness 1.20mm @ 600mm c/c both ways horizontally and vertically. The framing shall be covered with 6 mm thk. ply on both side and finished with 1.00 mm thk. Laminate of approved shade with 10mm thk approved make polished glass as per the drawing. Rate shall be inclusive of necessary hardware items, etc. Complete.				
7	GLAZED PARTITIONS OVER WORKSATATIONS	SFT		24.0	
	P/F glazed partition as per approved design of 12mm thk clear glass mirror polished fixed with S S D Clips and grove made on Mullion Box/ partition as per design or as directed by the architect. Rate shall be inclusive of necessary ply support/ mullion post (as per design) raised to support the structure, hardware items etc. complete.				
8	ALUMINIUM HEAVY DUTY ENTRANCE/ FRONT PARTITION WITH 10 MM THICK FLOAT GLASS	SFT	0	0.0	0.0
	P/F fully glazed heavy duty alluminium sections (14 Guage) at the main entrance as shown in the drwng. Glazing shall consist of approved make heavy duty 6" x 2" sections for the top & bottom rails and 2" x 2" sections for the vertical styles. 10mm thk. approved make clear float glass shall be provided and fixed in the framing. Rate shall include any necessary hardware items. (Heavy Duty 6" & 2" thick frames(14 Guage) - approved make				
9	ENTRANCE DOORS - IN ALLUMINIUM POWDER COATED SECTIONS (HEAVY DUTY 14 GUAGE)	SFT		21.0	
	P/F fully glazed alluminium (heavy duty-14 guage) doors at the main entrance as shown in the drg. Door shall consist of approved make heavy duty-14 guage sections 6" x 2" for top & bottom rails, 2" X 2" for vertical styles. 10mm thk. approved make clear float glass shall be provided and fixed in the framing. Rate shall include Pad Lock (GODREJ MAKE), 1 pair of 12" long S. S. Handles, floor springs (MAKE EVERITE / GOLDEN /HARDWIN /EVEREST MAKE), gaskets & any other necessary hardware items.				
10	FULL HT FULLY GLAZED PARTITION WITH 12MM THICK TOUGHENED GLASS IN PATH FITTING	SFT	0	0.0	0.0
	P/F fully glazed frameless partition with 12mm thick toughened glass with necessary patch fittings & support from wall/ floor/ partition/ ceiling as per the site condition and grouting at the bottom with U - Shaped Aluminium rails and EPDM gaskets. The rate shall be inclusive of required wooden or aluminium support from ceiling at the same level of gypsum ceiling, silicone/ sealant, hardware items, etc. Complete.				
11	DOOR WITH 12MM THICK TOUGHENED GLASS IN PATH FITTING	SFT	0	0.0	0.0
	P/F single/ double leaf fully Glazed frameless Door on Floor Spring (Weight Capacity upto 100 Kg) and Pivot with necessary fittings for the entrance door as per the manufacturer's specification. The Glass thickness should be 12 mm thk. Rate shall include floor springs, a pair of handles 18" SS Brushed finished etc with necessary hardware items.				
12	SINGLE SKIN PANELLING ON WALL / COLUMN/ CEILING LAMINATE FINISH (ONLY IN HALL AREA)	SFT	0	0.0	0.0
	P/F panelling on wall/ column/ ceiling with framework of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both way covered with 12mm ply and finished with 1.0 mm. thk. laminate of approved shade and make. Note: Architect's approval is required for panelling other than on columns in Banking Hall, without prior approval, no bill for the same shall be entertained)				
13	SINGLE SKIN PANELLING ON VANTILATORS (in paint finish)	SFT		64	
	P/F panelling on wall with 12mm thk. . ply . The rate shall be inclusive of leveling the surface upto 2" (as per the site condition) from the existing wall/ column by using 19mm thk. ply framing.				

14	SOLID DOORS- IN LAMINATE FINISH (WITH OR WITH OUT VISION PANEL AS PER DIRECTION OF BANK / ARCHITECT) (Door closer make: EVERITE /OZONE/HARDWIN / EVEREST/ GODREJ	SFT		58.5	
	Providing and fixing solid doors of sizes as shown in the drawing with 30mm solid flush door finished with 1.0 mm thick approved laminate on both sides. Rate shall include Mortise lock (Godrej Make), floor springs / door closure (as the case may be), door stopper, 5" hinges 4 Nos., buffers, etc with necessary hardware items and without door frames.				
15	CASH COUNTER DOORS WITH NIGHT LATCH (MAKE: GODREJ/ DOORSET/ EQUIVALENT) (for 3nos of doors)	SFT		16.5	
	P/F solid doors of sizes as shown in the drawing. The door shutter shall be of 30mm thick flush door of approved make and finished with 1.0mm thick approved laminate on both sides. Rate shall includenight latch, a pair of handles 5" SS Brushed finished, 5" hinges 2 Nos., buffers, tower bolts, etc withnecessary hardware items.				
16	LOW HIGHT DOORS	SFT		36.0	
	P/F solid doors of sizes as shown in the drawing. The door shutter shall be of 19mm thick plywood of approved make and finished with 1.0mm thick approved laminate on both sides. Rate shall include pair of handles 5" SS Brushed finished, 5" hinges 2 Nos., buffers, tower bolts, etc withnecessary hardware items.				
17	2.5' HT CONTINUOUS STORAGE(18" WIDE) (SIDE/ BACK STORAGE)	SFT		60.0	
	P/F low ht Storage unit of sizes as mentioned above. They shall consist of 19mm thk plywood for top, base and sides and back 6mm thk plywood, 19mm thk plywood shutter. The base of the storage to be raised 4" from ffl. All external surfaces shall be finished with 1.0mm thk laminate of approved shade and make.Divisions of the shutter shall be made equally according to the length of the storage. A 19mm thk fixed ply wood shelf on battens shall be provided @16" intervals from the base. All inner surfaces including the inner surfaces of the cabinet should be finished with 0.80mm thk laminate of matte finish. Rates shall be inclusive of all necessary approved fittings like hinges, locks, 3" long brushed finish handle, tower bolts and any other misc hardware items of approved make.				
18	FULL HEIGHT STORAGE WITH SHUTTER	SFT		150	
	Providing and fixing in position full Height Storage using 19mm thk plywood for top, base and sides and back 6mm thk plywood, 19mm thk plywood shutter. The base of the storage to be raised 4" from ffl. All external surfaces shall be finished with 1.0mm thk laminate of approved shade and make.Divisions of the shutter shall be made equally according to the length of the storage. A 19mm thk fixed ply wood shelf on battens shall be provided @16" intervals from the base. All inner surfaces including the inner surfaces of the cabinet should be finished with 0.80mm thk laminate of matte finish. Rates shall be inclusive of all necessary approved fittings like hinges, locks, 3" long brushed finish handle, tower bolts and any other misc hardware items of approved make.				
19	GYPSUM BOARD FALSE CEILING				
	P/F Gypsum Board False Ceiling straight or curve any profile of reputed make which includes G.I. Perimeter Channels of size 0.55mm thick (having One Flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centres. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two flanges of 15mm each) from the soffit at 900mm centres with ceiling angle of width 25mm X 10mm X 0.55mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5mm and two flanges of 26mmeach with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 457 mm centres 12.5mm tapered edge Gypboard (conforming to IS 2095-1982) is then screw fixed to ceiling section with 25mm dry wall screws at 230mm centres. Screw fixing is done mechanically with drilling machine with suitable attachment. Finally tapered edges of the Gypsum boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, joint paper/fibre tape and two coats of dry wall top coat suitable for Gypsum board etc. complete as per the recommended practices / specifications of the manufacturer. Including making necessary openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitable fixed all complete as per drawing and specification and direction.				
I	FOR PLAIN AREA	SFT		312.0	

II	FOR CEILING DROP	RFT		180.0	
20	FALSE CEILING (ARMSTRONG GRID) WITH T-GRID Ceiling Suspension System (SIHOUETTE SYSTEM)	SFT		368.0	
	Providing and Fixing in True Horizontal Level False Ceiling Grid System of Armstrong World Industries. The Suspension System shall be the Armstrong Trulok Silhouette Revealed Profile Grid System with 15mm Wide Flanges Incorporating a 3mm or 6mm Central Recess Color, Black or White Revealed. Silhouette Main Runners and Cross Tees to have Mitered Ends with " Birds Mouth " Notches to Provide Mitered Cruciform Junctions. 600mm X 600mm Grid Tiles.				
21	WALL PUTTY (ON GYPSUM CEILING ONLY)	SFT		492.0	
	P/A one coat of Birla Wall Care Putty (Water resistant white cement based putty for concrete/ mortar walls and ceilings both internal and external) after removing all loosely adhering material from the wall surface with the help of emay stone, putty blade or wire brush and moisturing the wall with sufficient quantity of clean water as specified and directed by the department. Thickness 1.00 mm				
22	PLASTIC EMULSION (ON GYPSUM CEILING ONLY)	SFT		492.0	
	P/A plastic emulsion paint on walls , columns & ceilings. The rates shall include scrapping, levelling & preparing the surface. Primer coat +(MINIMUM) 2 coats to get evenly spread quality finish(roller Finish) of approved make, quality and finish shall be provided. Note- Rates shall also include - filling up the cracks in the wall & ceilings, making good surface .				
23	ETCHING GLASS WITH FROSTED FILM PAPER WITH BANK'S LOGO	SFT		60.0	
	Providing & Fixing frosted film fixed on the glass after cleaning and wiping glass surfaces free of any dust or foreign bodies and then fixed plain approved pattern / design film on the glass as per detail drawing inclusive of making necessary cutouts, carting away unserviceable materials out of compound, cleaning the site etc. complete as per the site requirements and the instructions of the Architect. (Basic Cost Of Film not less then Rs.50/- Per SFT). (Measurement area = Length X Height)				
24	WRITING LEDGE 1'- 3" WIDE AS PER DESIGN	RFT		3.0	
	P/F wall/ column fixed writing LEDGE as per design. The top and sides of the table shall consist of 19mm thick ply and its back with 12mm thick ply as per the design. It should also have the provisions of open selves of size 6" on top for vouchers and slips. The exposed inner or outer faces should be finished with 1.0mm thick approved laminate.				
25	BOXING FOR ROLLING SHUTTER	SFT		24.0	
	P/F boxing for rolling shutter with 19mm & 12mm ply. Necessary wooden framing shall be provided to support the structure with a openable shutter of 5" opening for smooth operation of shutters and rest is closed with mirror screws (for opening and servicing).. The boxing shall be finished on all exposed sides by 1.0mm thk laminate.				
26	VERTICAL BLINDS WITH SCOTCH GUARD (ONLY IN BANKING HALL AREA) (6'X 6' X 4 NOS OF WINODWS)	SFT		144.0	
	P/F in place 100 mm. Vertical blinds of approved make, quality and colour shade & pattern. Rate shall include necessary scotch guard treatment on both sides. The overlaps should be uniform & adequate.				
27	PIN-UP BOARDS / NOTICE BOARDS	SFT		12.0	
	P/F pinup or notice boards with hidden wall hanging provision. It consist 12mm thick soft boards of good density to be mounted over 12mm thick . ply as where required. The soft board will be covered with a plain fabric (appox Rs.250 /Rmts. of approved colour) from front and edges. Suitable border with 12mm thick plywood of size 2.5" to 3" to be fixed on all four sides and the same to be finished with 1.00mm thick laminate of approved shade.				
28	CHEQUES DROP BOX (1' W X 10" D X 1.5' H)	NOS		1.0	
	P/F cheque drop box with hidden wall hanging provision made of 19mm thick board with slit opening of at the top of the box and an openable shutter with lock facility at the front side. All the exposed surfaces including all free edges are to be finished with 1 mm thick laminate of approved make and shade. Inner faces of 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 design and quality.				
29	SUGGESTION BOX (1' W X 10" D X 1.5' H)	NOS		1.0	

	P/F suggestion box with wall hanging provision made of 19mm thick board with slit opening of at the top of the box and an openable shutter with lock facility at the front side. All the exposed surfaces including all free edges are to be finished with 1 mm thick laminate of approved make and shade. Inner faces of 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 design and quality.				
30	DRESSING MIRROR FOR LOCKER ROOM (2' X 3')	SFT	0	0.0	0.0
	Providing and fixing dressing table made out of mirror of size 1' 6" x 3' 0" using 12mm thk. Ply with 6mm thk. clear Mirror fixed on the wall and tray of size 1' 6" x 1' 6" with one drawer for cosmetics. (Measurement is measured only for mirror)				

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II	ELECTRICAL WORKS				
NOTE:	The materials specified must be followed and in case of any deviation due to its unavailability, prior approval from Architect is a must.				
	ALL MCB/MCCB SHOULD BE OF C TYPE, ALL WIRING FROM MAIN DB TO DB/ DB TO SWITCH BOARD/ AC / LIGHT/ FAN POINTS ETC. TO BE TAKEN THROUGH M.S. CONDUITS IN CONCEALED MANNER.				
	THE ELECTRICAL CONNECTION FOR STRONG ROOM/ SAFE ROOM/ LOCKER ROOM SHALL BE TAKEN SEPARATELY WITH AN EXTENSION WIRE FROM DOOR WITH PLUG AND THE SAME TO BE CONNECTED TO SWITCH SOCKET OUTSIDE THE ROOM.				
SL NO	PARTICULARS	UOM	RATE	QNTY	AMOUNT
1	S & I of 100A SFU TPN with HRC fuses in sheet metal enclosure for main switch at meter cabin/ as per the instruction of the Architect/ Bank, complete in all respects. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
2	S & I of 25A plug socket with starter and MCB for power supply to STRONG ROOM/ SAFE ROOM/ LOCKER ROOM and to placed outside the room near door. Make & model no.: Havells SRCD WOCB Dboxx Plastic box 16 A DHDBCDP025201603	Nos		1	
3	Supply and installation of 63 A 4 Pole On Load Change Over switch in sheet steel enclosure. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Nos		1	
NOTE	ALL DB's TO BE PLACED IN ELECTRICAL/ UPS ROOM				
4	S & I OF MAIN DISTRIBUTION BOARD				
	Supplying installation testing and commissioning of factory manufactured 3phase & neutral Double door 4 Way VTPN Distribution Board made out of 16 SWG sheet steel enclosure IP 43 degree of protection provided with hinged casketed door with pad-locking facility and including suitably rated copper bus bar with PVC insulated copper inter connections and neutral bar assemblies one per earthing terminals assembly etc. complete with provision for the following. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
a	4-way VTPN DB				
	Incomer:				
b	S & I of 100A 4Pole MCCB 25kA- 1no.				
	Outgoing:				
c	S & I 32A DP MCB- for light DB - 1no.				
d	S & I 40A DP MCB- for RAW power DB- 1no.				
e	S & I 40A SP MCB- for UPS power -2no.				
f	S & I 32A SP MCB- for Glow Sign Board- 1no.				
g	S & I 16/32A SP MCB- for AC Point - 4 nos.				
h	S & I 16A SP MCB- for Spare Work - 2 nos.				
	S & I OF DISTRINATION BOXES				
5	S & I of 8-way SPN Light DB (double door) flush mounted on wall, sheet metal fabricated, 220/415 volts prewired MCB power coated, having dust-proof and vermin proof, gasketd and hinged door with all internals such as DIN rails, neutral with provision for the following. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
	8-way SPN DB				
	INPUT- 32A DP RCCB 30mA Sensivity - 1no.				
	OUTPUT- 6/10/16A SP MCB - 6nos.				
	Other accessories				
6	S & I of 12-way SPN RAW POWER DB (double door) flush mounted on wall, sheet metal fabricated, 220/415 volts prewired MCB power coated, having dust-proof and vermin proof, gasketd and hinged door with all internals such as DIN rails, neutral with provision for the following. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
	12-way SPN DB				
	INPUT- 40A DP RCCB 100mA Sensivity - 1no.				
	OUTPUT- 6/10/16A SP MCB - 8nos.				
	Other accessories like Blank Plate screw etc.				

7	4 WAY TPN DB (AC/ RAW POWER DB) SITC of 4 way Horizontal DB flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears (Double door DB) Incomer: S & I of 40Amp TPN MCB- 1no. Outgoing: S & I 10-32A SP MCB- for AC Point - 6 nos. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
8	S & I of 100Amp TPN busbar with copper busbars of size 20mm x 5mm thk PVC insulated suitable for 125 Amp load.	Set		1	
9	S & I of 8-way SPN UPS DB (double door) flush mounted on wall, sheet metal fabricated, 220/415 volts prewired MCB power coated, having dust-proof and vermin proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Set		1	
a	8-way SPN DB				
b	INPUT- 40A DP RCCB 100mA Sensivity - 1no.				
c	S & I OUTPUT- 10/16A SP MCB - 6nos.,				
d	Other accessories				
10	DB with 40A DP MCB FOR UPS INPUT AND UPS OUTPUT in ups room Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	NOS.		2	
11	DB with 40A DP MCB for daily control of RAW & Light DB at the convenient place in the Banking Hall. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	NOS.		2	
12	INVERTER INPUT & OUTPUT WITH 20Amp Switch+ 20Amp Socket & Plug Top (modular type)	Set		1	
13	AC POINT: SITC of 25A Socket near AC indoor Unit, controlled with 25Amp modular starter unit comprising of 25 A socket with 25 A plug top near the switch board or as directed by the Architect including all other necessary items complete. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Nos		4	
14	SITC of 4way SPN DB with 32Amp SP MCB and timer for Glow sign Board including all other necessary items complete. Make: ABB/ L&T/ Legrand/ Siemens/ Hager or equivalent	Nos		1	
15	CABELS / WIRES (Finolex/ Polycab/ RR) S & I of 1100V grade armoured cable/ Flexible Wire (FRLS) having sector/ circular shaped aluminium/ copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip/ wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall/ ceiling etc. complete in all respects (with proper color code) through MS conduits. The rate shall also to include Termination of the above cables with Heavy Duty Cu lugs & Brass cable lands providing identification tags at each end of the cable (the identification tags shall mention the size of the cable and the names of the panels on either ends). The rates to include testing and commissioning.				
a	4C X 25 Sq. mm. PVC insulated aluminium armoured cable (from meter/main switch to TPN Busbar, Change over Switch, VTPN & from DG to Change Over Switch)	RMT		30	
b	4 runs of 10 Sq.mm +1 run of 6.0 sq mm (green) PVC insulated flexible Cu wire (fromfrom Busbar TPN AC DB incomer)	RMT		10	
c	2 runs of 6 Sq.mm +1 run of 4.0 sq mm (green) PVC insulated flexible Cu wire (from TPN DB to LDB/ PDB & UPS DB AND UPS INPUT/ OUTPUT of UPS)	RMT		40	
d	2 runs of 6 Sq.mm PVC insulated flexible Cu wire (from RAW & LIGHT DB to DP MCB in the Banking Hall for Daily Control)	RMT		40	
e	2 runs of 4 Sq.mm + 1 run of 2.5 sq mm PVC insulated flexible Cu wire (fromAC DB TO AC POINT)	RMT		50	

f	2 runs of 2.5 Sq.mm + 1 run of 1.5 sq mm PVC insulated flexible Cu wire (from LDB TO Switch Board & TPN DB to Glow sign DB/timer point)	RMT		80	
g	1 runs of 2.5 Sq.mm PVC insulated flexible Cu wire (for inverter Line)	RMT		80	
16	LIGHT/ FAN POINT WIRING (of Finolex/ Polycab/ RR)				
	Supply & installation of Light/ Fan point wiring with 2X1.5 sq. mm. copper conductor PVC insulated wires (with proper color code) pulled through heavy gauge MS conduits concealed over false ceiling (with required support from RCC ceiling) or in wall chases including circuit wires. Rate shall include supply & installation of Modular Switch Boards, Modular switches/ sockets, boxes, plates and all related accessories with Wiring. (Rates to include supply and installation of MS conduits of required sizes with all other required accessories complete, no wire/ conduits shall be placed directly over false ceiling- if found, 30% rate for the point wiring shall be deducted/ shall be asked to rewire the same before release of the final bill)				
a	Single Light Point with 6Amp Switch Switch Board	Nos		18	
b	Two Light Point with 6Amp Switch Switch Board	Nos		5	
d	Exhaust Fan/ Wall Mount Fan points with 6A-3 pin socket outlet near Exhaust Fan/ Wall Mount Fan and operated with 6A switch on Switch Board	Nos		9	
e	Ceiling Fan Point with modular type Regulator and switch on switch board.	Nos		3	
17	COMPUTER/ RAW POINT (MAXIM.3 TABLES TO BE SERVED BY 1 CIRCUIT)				
a	Supplying and fitting of 2 nos of 6Amp + 1 no of 6/16 Amp socket with common switch 16A (Make: Legrand/ Schneider or equivalent) of modular type with 2 runs of 2.5 sq.mm and 1 run of 1.5 sq mm (green) FRLS copper wire (Finolex/ Polycab/ RR) in MS conduit pipe at the place directed by the Architect with all necessary components complete	SET		8	
b	Supplying and fitting of 1 no of 6Amp socket with 6A switch (Make: Legrand/ Schneider or equivalent) of modular type with with 2 runs of 2.5 sq.mm and 1 run of 1.5 sq mm (green) FRLS copper wire (Finolex/ Polycab/ RR) in MS conduit pipe at the place by the Architect with all necessary components complete	SET		8	
c	Supplying and fitting of 1 no of 16Amp-5 pin socket with 16Amp switch (Make: Legrand/ Schneider or equivalent) of modular type with with 2 runs of 4 sq.mm and 1 run of 2.5 sq mm (green) FRLS (Finolex/ Polycab/ RR) in MS conduit pipe at the place directed by the Architect with all necessary components complete.	SET		3	
18	WIRING FOR DATA AND VOICE OUTLETS				
	Supply & laying of Voice/Data wires in PVC casing/conduit pipe at the place directed by the Architect and terminating with RJ-45 terminals for data/ RJ-11 terminals for Data/ voice points. Rates shall be inclusive of Supply and fixing of RJ 45 outlet with end to end terminations, face plate & I.O box (end termination near switch shall be of male connector and the other shall be connected to female connectoer in IO box) . (D Link make only)				
a	Supplying and fixing of 9U Wall Mount Data Rack of D-link make or equivalent.	Nos		1	
b	CAT-6 enhanced data point	Nos		9	
c	SUPPLY AND FIXING OF CAT-6 PATCH CHORD (3' LONG)	Nos		9	
19	LIGHTING FIXTURES AND FANS (of Phillips/Osram/Wipro/ Crompton)				
	S & I of lighting fixture as per the details given below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension chains as required for fixing the fixture in position as directed by architect/ consultant				
a	LED Panel Lights 36W 2'x2' ultra slim with all other accessories complete.	Nos		12	
b	LED Slim Down Light-, 15W ultra slim with all other accessories complete.	Nos		4	
c	LED Spot Light-, 7W with all other accessories complete.	Nos		0	0
d	Surface/pendent mounting LED Slim Tube Lights, 18W 1200mm Slim TL with all other accessories complete.	Nos		11	
e	Surface/pendent mounting LED Slim Tube Lights, 8W 600 mm Slim TL with all other accessories complete.	Nos		0	0
f	LED Strip Light-cuttable R/G/B with power adapter and remote control with all other accessories complete (FOR 0 POINTS)	RFT		0	0
g	LED Cabinet Lights, 2W Square Cabinet Lights (Clear Lens) 3000K of with all other accessories complete.	Nos		0	0
h	1200 mm BLDC ceiling fan of Crompton/ CG/ Orient Make or equivalent with all accessories except Regulator	Nos		3	

i	400 mm dia wall bracket fan of HAVELLS Make Crompton/ Orient/ CG with all accessories (metal body with metal blade)	Nos		7	
j	225 mm dia Exhaust fan (metal body) of Crompton/ CG/ Orient Make or equivalent complete	Nos		2	
20	CHEMICAL EARTHING (each separate for ups & raw power)				
	Maintenance free Chemical Earthing using Electrode of size 80 mm dia, 03 meter long connected with 50X6 mm Copper internal strip complete with excavation, civil works, cast iron cover with back fill compound. The voltage between Neutral & Earth not to exceed 0 volts & IR value less than 1 ohm. The earth resistance shall be as per IS 3043. Backfill earthing Compound of minimum 25 kg complete as required. NOTE: Earthing certificate to be submitted along with the bill.	Nos		2	
21	8 SWG DIA COPPER WIRE FOR EARTHING	RMT		80	
	Providing & fixing of 8 SWG dia copper wire on surface or in recess for loop earthing as required (from earthing pit to Bank's Main panel/ VTPN DB/ MAIN DB/ UPS)				

ESTIMATED BOQ FOR AIR-CONDITIONING WORKS OF CENTRAL BANK OF INDIA, KATHIATOLI BRANCH, NAGAON, ASSAM (UNDER R.O: UPPER ASSAM, Z.O: GUWAHATI)					
III	AIR-CONDITIONING WORK				
SIDE WORK					
B.	PART –B				
	LOW SIDE WORK				
SL NO	PARTICULARS	UOM	RATE	QNTY	AMOUNT
1	Installation/ Erection (both indoor & outdoor), testing and commissioning of the following wall mounted Split/ Roof mounted cassette units of with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation. Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R-32/ R-410. All complete as per drawing, approval and instructions of the Bank/ Architect. (No extra cost shall be paid for Copper refrigerant pipe with insulation up to 3 Mtr. length for Split type AC suly supplied with machine). Note: The machines shall be supplied by the Bank.				
a	For split type AC of 1.0/ 1.5/ 2.0 TR	Nos.		5	1
b	5 KVA Cassette AC of 2.0 TR/ 3.0/ 4.0 TR	Nos.		0	0
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From Indoor to outdoor Units). Rate shall be inclusive of 2 nos of Copper pipe of required size beyond 3 M for Split type AC.				
a	For 1.0/ 1.5/ 2.0 T Split unit	Mtr.		10	
3	DRAIN PIPING				
	Providing and fixing drain piping up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps,floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.		15	
4	AUTOMATIC VOLTAGE CONTROLLER				
	Stabilizer shall be Automatic version with copper coil transformer and the voltage selection range shall be minimum depending on lowest peak recorded average in a month. Precise output voltage range (130V-170V to 240V -270 V). Ensure the rating of Stabilizer shall be in accordance with max rated power of ACs considering instantaneous peak load fluctuation.				
	Providing and fixing Stabilizer with 3-4 step relay and input voltage range of 130-270 V and output to be 230-240 V (Blue bird/ Logic state/ Inline/ V-Gaurd/Equivalent Reputed Make) (copper winding).				
a	5 KVA (For 2.0 TR/ 3.0 TR Split/ Cassette AC)	Nos.			0
b	4 KVA (For 1.5 TR Split AC)	Nos.		4	
c	3 KVA (For 1.0 TR Split AC)	Nos.		1	
5	AIR-CONDITIONERS STAND				

1	MS-STAND - Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all- round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the employer. Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit.				
6	Powder coated readymade stands				
	For 1.0/ 1.5/ 2.0 TR Hi Wall split units	Nos.		5	
7	ELECTRICAL CABLES				
	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / 1.5/2.5 -6.0 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1 1/2"/2" PVC conduit pipe between indoor/outdoor unit				
a	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC.	Mtr.		10	
8	TIMER Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	Nos.		1	

SUMMARY OF TOTAL WORKS:

Description	Total Cost (in Rs.)
A. Furniture Works	₹
B. Electricals / Cabling Works / Low side work (Air Conditioning)	₹
Total Amount	₹
Total In Words:	Rupees

Above rates and amounts are excluding GST and GST as applicable shall be charged extra.

Date: _____

SIGNATURE OF TENDERER WITH RUBBER STAMP