

**UNION BANK OF INDIA  
RO, GUWAHATI**

**NOTICE FOR INVITING TENDERS**

**ONLY FOR EMPANELLED CONTRACTOR**

Sealed tenders/offers on items rate/percentage over estimates/cost basis are invited from our empanelled contractors having sound technical and financial capacity for undertaking carpentry & interior works and civil & plumbing work at our proposed site of Digital Banking Unit at Agartala, Tripura as per address given below. Tender documents may be purchased from 24.05.2022 to 30.05.2022 during office hours from our office / downloaded from website.

Interested empanelled contractors may visit our Bank's website [www.unionbankofindia.com](http://www.unionbankofindia.com) and Govt. portal [www.eprocure.gov.in](http://www.eprocure.gov.in) and requested to study the drawings /go through the tender documents, specifications as per Bank's standardization and in case of any difficulty please visit us for seeking clarification, if any, prior to submission of their sealed offers.

Estimated cost of works for Branch	Rs. 9.65 Lacs
Tender Cost	Rs.500/- (Non-refundable) by DD / Pay Order favouring Union Bank of India, payable at Guwahati. Offer without document / Tender cost will be summarily rejected.
EMD/ Performance Security	Bidders will be required to submit performance security Rs.29000/- in the form of D.D. in favour of Union Bank of India, RO, Guwahati, payable at Guwahati. Tenders without Tender cost / EMD shall be summarily rejected. Contractors registered with MSME / NSIC or the concerned Ministry or Department notified time to time by Govt. of India/CVC can seek exemption from cost of RFP by providing valid registration certificate along with the document. Incomplete application will not be considered.
Retention Money	Retention money at 3 % of total work order will be deducted from final bill and to be held with the bank for defect liability period (one year) and will be released only after completion of Defect liability period on vendor's request.
Time of Completion of work	7 days from acceptance of work order. Work to Start immediately after getting the work order.
Time & Submission of Tender	Before 3.00 P.M. on 30.05.2022
Time & date of Opening of Tender	3.30 P.M. on 30.05.2022
Address of Work Site	Diamond Tower, Ground Floor, Paradise Choumahani, Opp. City Center, HGB Road, Agartala, Tripura, Pin - 799001

The bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reason.

Dated: 23.05.2022  
Guwahati (Assam)

  
Chief Manager (Operations)

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RO, GUWAHATI**

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Interested empanelled contractors may visit our Bank's website [www.unionbankofindia.com](http://www.unionbankofindia.com) and Govt. portal [www.eprocure.gov.in](http://www.eprocure.gov.in) and requested to study the drawings /go through the tender documents, specifications as per Bank's standardization and in case of any difficulty please visit us for seeking clarification, if any, prior to submission of their sealed offers.

Estimated cost of works for Branch	Rs. 3.41 Lacs
Tender Cost	Rs.500/- (Non-refundable) by DD / Pay Order favouring Union Bank of India, payable at Guwahati. Offer without document / Tender cost will be summarily rejected.
EMD/ Performance Security	Bidders will be required to submit performance security Rs.10230/- in the form of D.D. in favour of Union Bank of India, RO, Guwahati, payable at Guwahati. Tenders without Tender cost / EMD shall be summarily rejected. Contractors registered with MSME / NSIC or the concerned Ministry or Department notified time to time by Govt. of India/CVC can seek exemption from cost of RFP by providing valid registration certificate along with the document. Incomplete application will not be considered.
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Dated: 23.05.2022  
Guwahati (Assam)

  
Chief Manager (Operations)

INTERIOR FURNISHING WORKS FOR DIGITAL BANKING BRANCH FOR UNION BANK OF INDIA			
AT AGARTALA, TRIPURA			
COST ABSTRACT			
SL. NO	ITEM DESCRIPTION	AMOUNT (RS.)	
	INTERIOR FURNISHING WORKS		
1	CARPENTRY & INTERIOR WORKS		
2	ELECTRICAL & OTHER RELATED WORKS		
3	CIVIL & PLUMBING WORKS (OPTIONAL)		
A	TOTAL OF INTERIOR FURNISHING WORKS		



**ESTIMATED BOQ FOR CARPENTRY WORKS OF DIGITAL BANKING BRANCH FOR UNION BANK OF INDIA , AT AGARTALA, TRIPURA**


SR.NO	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
A	<b>PARTITIONS</b>				
	<b>NOTES</b>				
i	The rate shall be include of frame work above false ceiling level. Measurement should be taken up to false ceiling level and visible portion only.				
ii	Basic rate of Laminate shall be considered as Rs 35/SFT				
iii	Basic rate of veneer shall be considered as Rs 135/ sft				
iv	Basic rate of Solid Surfaces (CORIAN) 6mm thk shall be 1150/ sft, and for 12mm shall be 1800/ sft				
1	<b>FULL HT. FULLY GLAZED PARTITION IN PATCH FITTINGS</b>	S.FT.	310		
	Providing and fixing fully glazed partitions made of 12mm thick clear toughened glass of approved make fixed in OZONE make Glass wedge system in the floor and ceiling and with suitable arrangement in false ceiling to provide rigidity to the glazed partition etc. all complete as per drawing, instructions & approval of EIC / Architect. Schedule of patch fittings per panel are as follows:				
	OZONE Make: OGL-PR-11, 2 MTRS GLASS WEDGE SYSTEM Shoe screw, shoe, flip cap etc complete.				
2	<b>FULL HT SOLID PARTITION</b>				
	Providing and fixing in position full height solid partition 75 mm thk. as indicated in the drawing excluding the door. The partition shall be made of Aluminium Frame Work of hollow sections of specified sizes given below of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips with vertical & horizontal members at not more than 600 mm center to center all complete including necessary additional supports for fixing of patch fittings of door, bracing, runner etc. so that lateral movement is arrested as per instructions of EIC / Architect. The first horizontal member shall be fixed at ground level and thereafter at every 600mm. Framework shall be fixed with 8/9mm thick BWP grade ply of required width and size as per drawing including cost of making openings for switches, AC facias etc. The rate includes cost of polishing, adhesives like fevicol, silicon, nails, screws and labour charges etc. all as per instructions of EIC / Architect. The ply finished Partition shall then be finished with or without 1.0 mm thick laminate / 4mm thk veneer / 6mm thk lequered glass (back painted in white colour) of approved shade and make or equivalent on both the sides as per the description as below. Rate shall be inclusive of provision of pencil groove as directed by the Architect. Height of the partitions upto soffit of false ceiling / laminate finish top shall be considered for payment. Alternate, corner vertical members of the partition shall be fixed with necessary brackets / supports at RCC levels. The framework above the false ceiling shall not be considered for payment. The item does not include the doors.				
a	<b>FINISHED WITH BOTH SIDE LAMINATE</b>	S.FT.	256		
3	<b>Full Ht Solid Partition in both sides Aesbestos Sheet with Door (Having Fire Rating of 3Hours) (4mm both side) FOR UPS ROOM</b>	SFT	62.00		
a	Providing & fixing in position Semi-Height Solid Partition in Aluminium frame work in 2'x2' grid (horizontally and vertically) comprising of 50mm x 50mm x 3mm thk Aluminium Section covered with with 4 mm thick Aesbestos Sheet on both sides and finished with paint of approved make and colour as shown in drawing, on both sides. It shall also consist of a Flush door of required size and fixed with aesbestos Sheet in Aluminium sections on both sides and finished with paint of approved shade				
b	Specification same as 6 (a) but finished on one side with 4mm thk A.C Board (Finished with paint) and on other side with 9mm thk Ply (Finished with 1.0 mm thk laminate of approved shade and pattern)	SFT	124.00		
B	<b>PANELLING</b>				
1	<b>PANELLING ON WALLS/ COLUMNS - with or without frame</b>				
	Providing and fixing of wall panelling directly on the wall surface with or without any framework with 12mm thick BWP grade ply and then finished with 1.0 mm thick. laminate of equivalent make frosty white / 4 mm thk veneer of approved shade. If the framework is required it shall be of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal frame structure placed horizontally & vertically in 550 mm x 550 mm or 600mm x 600mm center to center or as directed by the Architect. All woodwork & laminate shall be finished with two or more coats of Melamine or PU polish over one coat of sealer; all complete as per the instructions of Architect. The rate shall be inclusive of provision of groove with 1.0 mm thick. laminate along all 3 sides of the groove in the panelling of size 12mm x 12mm x 18 mm ht. and as directed by the Architect. This item also includes scaffolding for maximum height upto 4.0 m from floor level.				
a.	<b>WITH LAMINATE</b>	S.FT.	284		
2	<b>PANNELLING WITH LECQUERED GLASS OF APPROVED SHADE</b>	S.FT.	122		
	Providing and fixing of paneling with or without frame so as to receive a plain and even surface in exact plumb line, covered with 9mm thick commercial ply and finished with 6mm thick <b>TEMPERED LECQUERED GLASS</b> of approved shade and make as per the design. Rate shall be inclusive of 100 mm high skirting of silver metal laminate as and where required and as per the direction of the Consultant Architect/ Engineer.				
3	<b>PANNELLING ON WALLS WITH PVC BAFFLE AS PER DESIGN</b>	S.FT.	22		
	Providing and fixing of paneling on walls / columns with PVC Baffles in wooden texture as selected by the architect and fixed in wall in perfect plumb line and neatly finished on its surface of each baffle/ undulation of size 38mm x 30mm and length.				
4	<b>150MM HIGH ALUMINIUM LOUVER/GRILLE ON PLYWOOD PARTITION AS PER DESIGN</b>	RFT	12		
	Providing and fixing 150mm high Aluminium Louver/ Grille @ 6'-6" height from FFL with S.S Screws. The Al. Louvers shall be fixed after making necessary opening in the partition and fixing the same neatly, without spoiling the ambience of the partition				
5	<b>PANNELLING ON WALLS WITH 9M THK AC BOARD AT UPS ROOM</b>	SFT	30		
	Providing and fixing of wall panelling directly on the wall surface with or without any framework with 9mm thick Asbestos Cement Board and finished with putty and paint of approved shade and make..				
C	<b>DOORS</b>				
1	<b>GLAZED DOOR IN PATCH FITTINGS</b>	S.FT.	102		
	<b>ENTRANCE DOORS - WITH TOUGHENED GLASS (PATCH FITTINGS)</b>				



	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, sealant 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)				
	<b>DOORS - WITH OZONE / HAFFLE / YALE / GODREJ MAKE FITTINGS</b>				
2	<b>DOORS ON WOODEN PARTITION WALLS</b>				
i	<b>SOLID DOORS- IN LAMINATE FINISH (with hardware fittings MAKE EVERITE / GOLDEN /HARDWIN /EVEREST) ( WITH OR WITH OUT VISION PANEL AS PER DIRECTION OF the ARCHITECT</b>				
	Providing and fixing solid doors of sizes as shown in the drawing. The door shutter shall of 35 mm thick flush shutter of approved make and finished with 1mm thick laminate/ 4.0 mm thk veneer with mellamine polish of approved shade and make on both sides. The edges finished with steam beach lipping. A door frame of 3.5" x 2" steam beach section shall be provided finished in mellamine. Rate shall include Dead lock ( Godrej Make), floor springs / door closure ( as the case may be), door stopper, a pair of handles 12" SS Brushed finished, 5" hinges 4 Nos., buffers, tower bolts, etc with necessary hardware items and with or with out door frames as mentioned above				
a.	<b>IN BOTH SIDE LAMINATE FINISH</b>	S.F.T.	54		
D	<b>CARPENTRY WORKS</b>				
1	<b>LOW HT RUNNING STORAGE(1'-3"DX2'-6"HT) (BACK CADENZA)</b>				
	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/ veneer on all the edges. All external surfaces shall be finished with 1.0mm thk laminate/ 4.0mm thk veneer 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				
a.	<b>IN LAMINATE FINISH</b>	S.F.T			
2	<b>OVERHEAD STORAGE AT PANTRY</b>				
	Providing and fixing over-head storages which consist of 18mm thk. BWP. ply shutter with box type higes of approved make & Steam beach lipping with approved laminate/ veneer on all the edges. The shutter should be made of of 18mm thk. BWP. Ply top, sides, rear and bottom. All the external surfaces shall be finished with 1.0mm thk. Laminate (suede finish)/ 4.0mm thk veneer of approved make				
	Division of the shutters shall be made equally according to the length of the storage. The edges of the shutters shall be provided with steam beach lipping. One Ply shelf of 18mm thick BWP.ply removable type supported on side steam beach wood battens on both sides (divided equally) shall be provided. All inner surfaces shall be finished with laminate/ veneer including the shutters.. Rate shall be inclusive of all necessary approved fittings like box type hinges, locks, tower bolts, 100mm SS Brush finished handle etc				
a.	<b>IN LAMINATE FINISH</b>	S.F.T	20		
3	<b>PIN-UP BOARDS</b>	S.F.T.	12		
	Providing and fixing pinup boards. It consist 12mm thick soft boards of good density to be mounted over 12mm thick BWP. ply. The soft board will be covered with a plain fabric (approx Rs.250 /Rmts. of Dark Blue 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. <u>Note- If Steam beach T.W moulding are not provided around the soft board then the rate of this item shall be reduced to Rs 50.00/ sft as per the estimated rate and actual rate shall be calculated based on contractor rate at the time of bidding and shall be derieved accordingly.</u>				
	Note : Only soft bords provided on other than semi ht partitions shall be measured in this item .				
E	<b>FALSE CEILING AND POP WORKS</b>				
1	<b>GYPSUM FALSE CEILING</b>	S.F.T.	480		
(a)	Providing and fixing Gypsum false ceiling comprising of the following:				
	Framework: GI channel framework in 24 to 26 guage. The perimeter channel will be GI channel having one flange of 20mm and the other 30mm and web 27mm along the perimeter of the ceiling. It shall be screw fixed to brick wall / partition with the help of rawl plug of dimension 38mmx12mm dia fixed into the soffit at 610mm centres. The intermediate channels of size 45mmx0.9mm thick with flanges of size 15mm each shall be suspended from ceiling using angle of size 25mmx10mmx0.55mm spaced not more than 1220mm c/c which are fixed to soffit with GI 27mmx37mmx25mmx1.6mm cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having curled web of 80mm and flanges of 26mm are fixed to intermediate channel with the help of connecting clip of 2.64mm dia perpendicular to intermediate channel at 457mm centre to centre.				
	Ceiling Board: Gypsum board false ceiling of India Gypsum make - Plain Gypboard: Milky white colour of 12.5mm thickness shall be fixed to the ceiling section using 3.5x25mm corosion resistant self-tapping zinc plated dry wall screw at 230mm centres.				
	No additional load like light fittings etc. shall be directly put on the ceiling frame. Separate suspension system shall be adopted for the same.				
	NOTE: The rate shall be inclusive of provision for core lighting, small moulding, verticals in two levels, 18.75mm x				
	Note Only the plan area will be measured for payment. No Extra payment will be made for Grooves, Cutouts, Mouldings etc.)				
2	<b>ACCOUSTICAL FALSE CEILING- Armstrong -DUNE MAX MICROLOOK or approved equivalent make, SILHOUETTE series</b>	S.F.T.	176		



	Providing & fixing in position Acoustical Ceiling tiles of Armstrong -DUNE MAX MICROLOOK or approved equivalent make, SILHOUETTE series, in true horizontal level suspended on inter locking Grid system using hot dipped galvanized steel section, entire surface prefinished in baked polyester paint, rotary stitched double-web construction main Beam tee of size 42x15mm - 6mm reveal at every 600mm c/c maximum and double rotary stitched cross tee of size 42x15mm - 6mm reveal at every 600mm. c/c and Shadow moulding of size 19mm X 7mm X 7mm X 14mm fixed to periphery of the wall. The tiles and grid system to be used as follows:				
	TILE SIZE: 600mm X 600mm X 15mm				
	EDGE : DUNE MICROLOOK				
	FRAME WORK & INSTALLATION - silhouette section				
	Frame work to consist of:				
	Main Runner spaced at 600 mm center, fixed to the roof at every 1200mm c/c by using 2.0 mm thick pre-straightened GI wire. First and last hanger should not be at a distance more than 450mm from the adjacent wall.				
	600mm x 600mm module to be formed by fixing 600mm Cross Tee between center of Main Runner.				
	Shadow moulding to be secured to wall at 450mm centers. Installation to be done as per approved Manufacturer's specification.				
3	<b>8/9MM THK PLYWOOD BACKING ON 2'X2' GRID CEILING</b>	NOS	4		
	Providing and fixing 8/9mm thk commercial ply backing on modular false ceiling tiles (2'-0" X 2'-0" Grid Ceiling) to support light fitting, speakers, CCTV cameras, diffuser of grid work size with necessary cut outs for the same. Sixe of 2' x 2' tile shall be considered as 1 unit while measurement				
4	<b>WALL PUTTY (Only in Customer Area)</b>	S.FT.	600		
	Providing and applying Wall Putty on walls and columns (average 12mm thk). The rate shall include scrapping, levelling and preparing the surface. The rate shall be inclusive of all types of grooves above the skirting, around the window and door frames. If the average thickness is found to 8mm~6mm or less, then Wall Putty will be considered as pulti finish - at the rate of - 50% the quoted rate (Make: Birla / Asian / Berger)				
5	<b>POP PUNNING FOR GYPSUM CEILING</b>	S.FT.	480		
	Providing and applying POP Punning on Gypsum Ciling (average 6mm thk). The rate shall include scrapping, levelling and preparing the surface. The rate shall include scrapping, levelling and preparing the surface. The rate shall be inclusive of all types of grooves above the skirting, around the windows and door frames. If the average thickness is found to be 4mm or less than POP will be considered as a putti finish and the rate shall be 50% of the quoted rate				
F	<b>PAINTING WORKS</b>				
1	<b>PLASTIC EMULSION ON GYPSUM CEILING</b>	S.FT.	480		
	Providing & applying plastic emulsion paint on walls, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats to get evenly spread quality finish (roller finish) of approved make, quality & finish shall be provided.				
2	<b>LUSTRE PAINT ON WALLS (Only in Customer Area)</b>	S.FT.	600		
	Providing & applying Luster Paint on walls, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats to get evenly spread quality finish (roller finish) of approved make, quality & shade shall be provided.				
3	<b>ENAMEL PAINT IN EXISTING ROLLING SHUTTER, COLLAPSABLE GATE, GRILLS &amp; OTHER M.S WORKS</b>	S.FT.	350		
	Providing & applying 1 <sup>st</sup> quality oil paint of approved make, quality & shade. The rate shall include scrapping, levelling & preparing the surface with primer quote.				
G	<b>MISC. ITEMS</b>				
1	<b>ROLLER BLINDS, VERTICAL BLINDS, FILM etc.</b>				
i	<b>VERTICAL BLINDS</b>	S.FT.	134		
	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 ffcial(only for external windows. In case of front facia necessary approval need to be obtained)				
2	<b>Frosting film/Sun control film</b>				
I	<b>FROSTING FILM</b>	S.FT.	260		
	Providing and fixing Non-reflective matte, frosted, scratch resistant, high performance resin coated polyster film with required frosting pattern on the glass surface complete as per the directions of EIC/ Architect (Payment shall be made for the finished area of the film actually provided. No deduction shall be made for openings upto 0.1 Sq.m. area each and nothing shall be paid extra for making such openings.)				
3	<b>COLOURED ACRYLIC SHEET LOGO FO THE BANK, BACK LIT</b>				
	Supplying , fabricating and installation of Canara Bank's Logo of 2 Nos of Triangle (Blue and Yellow Colour) 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 strip light fitted from inside , as per the direction of the architect.				
i	<b>OVERALL SIZE 750MM X 750MM</b>	NOS			
ii	<b>OVERALL ZIZE 450MM X 450 MM</b>	NOS	4		
4	<b>NOTICE BOARD</b>	SFT.	12		
	Providing and fixing notice board size as required, directed (matching with the panel or 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				
5	<b>DRY PLANTER BOX WITH POT &amp; PLANTS</b>	NOS	10		
	Providing and fixing dry Planters Boxes of avg. size 350mm x 350mm x 300- 450mm(H); The Planter Box shall be made out of 2 nos 18 mm thk. sandwiched plywood - sides finished in both inner and outer surfaces with 1.0mm thk laminate of approved shade and all exposed side edges of Ply/ board shall be covered with teak wood beading finished with matching Deco paint to give it similar finish. Rates shall be inclusive of 12-14" dia PVC Flower pot with artificial/ natural plants as per architect's choice				
6	<b>TABLET STAND AS PER DESIGN</b>	NOS	2		

	Supplying and fixing Tablet stand of average total Height 5'-0" , width 1'-2" and deep 6", made with 18/19mm thk commercial plywood and finished with 6mm thk solid acrylic surface(CORIAN), bendable type of Bank's approved shade. It shall be rested on a square base of size 1'-3" x 1'-3", made with 18/19mm thk plywood and finished with approved shade of 6mm thk solid acrylic surface(CORIAN), bendable type in approved pattern.				
					
H	LOOSE FURNITURE				
1	TABLES				
a	STAFF TABLE OF SIZE- 4'-0" X 2'-0"	NOS	3		
	Fabricating, erecting and fixing of table with top made up of 19mm thk ply and finished with 1.0 mm thk laminate of approved shade and make on top as approved by the architect . The table to include pedestal with two drawers of 150mm & a file shutter of 350mm. It shall also include, a wire manager, an keyboard tray, CPU trolley. The works to include all hardware like castors, brass hinges, ball catches, fully extendable drawer slides, Multi-purpose locks, 4" "C" handles etc. of approved make. Locks to be of single control type. The front apron of the table shall be finished with 18/19 mm thk plywood of approved make and finished with 1.0mm thk laminate of approved shade and make and as directed by the architect. All exposed surfaces to be finished with 1.0mm thk laminate of approved shade and make in a pattern and style as directed by the architect, and all inner surfaces including the inner surfaces of the drawers should be finished with 0.80mm thk balancing laminate of plain ivory colour in matte finish. Rates shall also be inclusive of 12 mm thk clear glass with bevelled edges on all sides to be placed on the table top.				
	GRAND TOTAL				

ESTIMATED BOQ FOR CIVIL & PLUMBING WORKS OF DIGITAL BANKING BRANCH FOR UNION BANK OF INDIA ,					
SR.NO	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
A	INTERNAL CIVIL SCOPE OF WORKS				
I	DISMANTLING & DEMOLITION				
1	Dismantling & providing door opening of size 2'3" x 6'-6" on existing 6" thk, brick wall carefully by using machine to cut & making good wall edges with 1:4 cement plaster including removal of debris from site.Rates shall be inclusive of providing R.C.C. Lintel wherever required to support the upper wall	JOB	1		
2	Dismantling and removing PVC Toilet doors and fixing the same at new locatio and as directed by the architect/ Engineer-in-charge, as per the approved layout plan, without damaging the same in total	JOB	1		
3	6" THK BRICK WALL WITH PLASTER - Constructing 6" thk. Brick wall in 1:6 cement mortar. Brick used shall be of best quality kiln burnt, having sharp edges & giving clear ringing sound when struck against each other. The rate shall be inclusive of plastering the walls with ¾" thk. 1:4 cement plaster on both sides. A 4 ½" R.C.C. Patti Beam shall run horizontally @ 3'-0" c/c. The rate shall be inclusive of any scaffolding required during etc. complete	S.FT	13		
13	GLAZED TILE DADO - Providing and fixing 18" x 16" approved quality, make & shade of VITRIFIED tiles as per pattern for dado from FFL using CM 1:4 in proper line and level. The rate shall include necessary backing material, water proofing and joint filling compound of the same shade as that of the tiles. All sanitary fittings shall be located on the joints or junctions of the tiles.	S.FT.	18		
14	RE-ALIGNMENT OF W/C AND TAP - Shifting and fixing at new position, the existing W/C Pan in new location as per the new drawing and as directed by the architect. The rate shall be inclusive of realignment and relaying of all inlet and outlet pipe either concealed or surface without spoiling the overall ambience of the toilet room	JOB	1		
	<b>TOTAL OF CIVIL &amp; PLUMBING WORKS</b>				



## ELECTRICAL WORKS FOR DIGITAL BANKING BRANCH AT AGARTALA, TRIPURA

## GENERAL NOTE

1	UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. ( From input DB to UPS and from UPS Output to UPS Output DB)
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 complete should be submitted with the Final Bill
7	Only DATA and Voice point wiring is allowed to be carried out through MS Conduits

## PART A: ELECTRICAL WORKS

Sl. No	Description	Unit	Qty	Rate	Amount
	<b>SECTION-A</b>				
1	<b>MAIN SWITCH</b>				
1.1.	S.I.T.C 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.				
	<b>40A 4P 25 KA MCCB</b>	No.	1		
2	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.				
2.1.	S.I.T.C. of TPN 4 way Double Door Vertical Distribution Board with following M.C.B./M.C.C.B./RCCB & cable end boxes at Input & Output. [Main VTPN]				
a	4 Pole, Type C, 40 Amp 30KA RCCB as Incomer - 1 no.s				
	25A DP "C" Class MCB for input to LDB - 1 Nos				
	25A DP "C" Class MCB for input to Raw PDB- 1 Nos. (Water Dispenser, Mobile Charger & Ancillary services Load)				
	25A TPN "C" Class MCB for input to ACDB- 1 Nos.				
	16A SP "C" Class MCCB for Inverter INPUT AND OUTPUT- 2 Nos,				
	<u>Note- Rates Shall be inclusive of S.I.T.C. 3X35 sqmm Armoured aluminium cable from the Main LT panel to the main DB including 4 X10 Sq.mm. F.R.L.S. Copper Flexible wires with 2 X 10 Sqmm Copper Earth Wires in Rigid MS conduit from 100 A MCCB in Metal Box (Metering Cabinet) at the output of Br. Meter to Main DB and any other ancillary items as directed by Engineer-in-Charge/ Architect.</u>	No.	1		
	<u>Note- FOR AC POINTS Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm<sup>2</sup> + 2x4.0 mm<sup>2</sup> F.R.L.S. copper flexible wires in 19/20 mm MS conduit from Main Panel To AC points</u>				
	<b>Section B</b>				
3	<b>MCB DISTRIBUTION BOARD</b>				
	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 MS insulated copper conductor upto the terminal connector/neutral link and ready for installation as specified below:				
3.1.	<b>S.I.T.C. Of L.D.B. [MCB DB- LIGHT] (LIGHT DB)</b>				
a.1.	S & I of 8 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) - 25A, 30 mA, DP RCCB as incomer - 1 Nos, 6A SP MCB as outgoing -6 Nos.	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. MS conduit from Main D.B To L.D.B</u>				
b	<b>S.I.T.C. Of P.D.B. [MCBDB-POWER] (Raw Power DB)</b>				
b.1.	S.I.T.C. of SPN 8 way Single door D.B. with Incomer 25Amp 30mA, DP RCCB - 1 No . 10A SP MCB- 6 Nos. with all wiring connections. ( Max. 2 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 MS conduit from Main DB to Power DB</u>				
c	<b>S.I.T.C OF U.P.S. D.B. : (MCBDB-UPS )</b>				



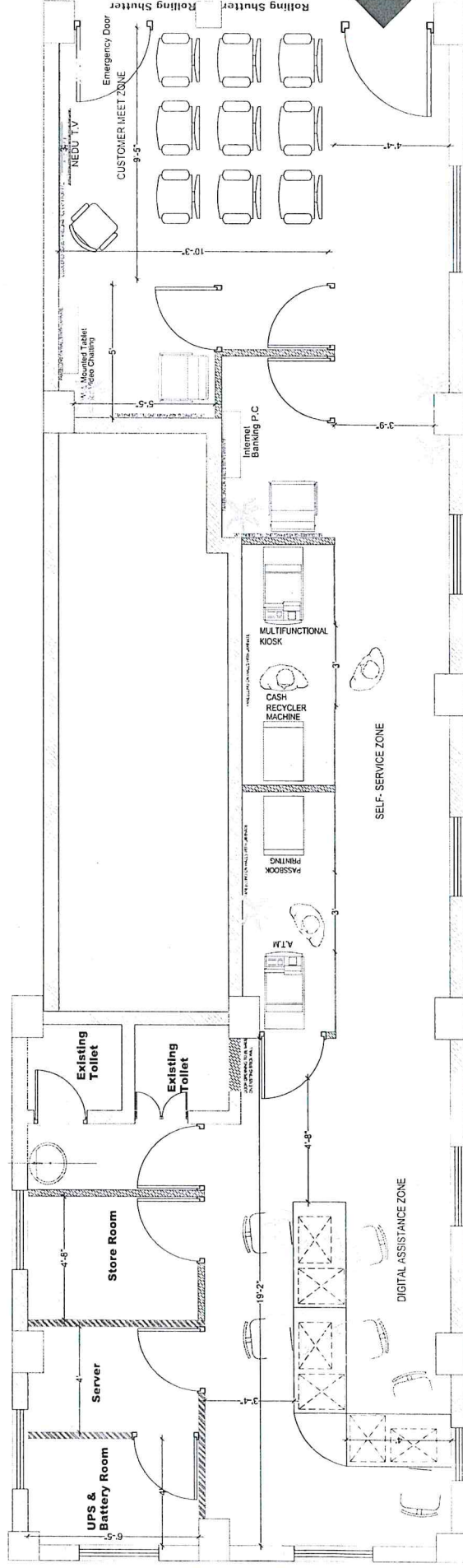
	S.I.T.C. of 8 way Single Door SPN D.B. with Incomer Double pole 30 mA 25 Amp RCCB - 1 No 10A SP MCB- 6 Nos. with all wiring connections.( Max. 2 work-Station Points to be looped on one MCB, 3 nos. in exceptional case.) <u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid MS conduit from Main DB to MCBDB-UPS-1. (body to be earthed)</u>	No.	1		
d	<u>S.I.T.C. Of ACDB [MCB DB- AC]</u> S.I.T.C. of 8 way Single door SPN Distribution Board with all wiring connections. Incomer : -25A TPN 30mA RCCB : - 1 No. Outgoing : - 16A SP MCB : - 6Nos. <u>Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm<sup>2</sup> + 2x4.0 mm<sup>2</sup> F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage MS conduit from Main Panel To ACDB</u>	No.	1		
	SECTION-C				
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	28		
ii	Secondary Light point/ Loop Point	Pts	10		
iii	Primary light points including the cost of 6A switch in UPS Power	Pts	9		
b	Secondary 6A Plug point on switch board. [SO]	Pts	2		
c	16/6 A Plug Point directly taken from PDB for hotplate/TV / Xerox / SetTop Box etc.	Pts	2		
d	Exhaust fan/ Wall Fan point consisting of 6A socket near fan and switch on light switch board	Pts	10		
e	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		
f	S.I.T.C. of call bell with bell point .	Nos.	0		
4.2	COMPUTER/ RAW POWER WIRING				
	<u>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</u>				
a	Supply & Installation of concealed UPS or stabilized power plug points on workstations / table for computers using 3 x 2.5 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 3 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 ageing finishing the walls with Putty/ Cement/ POP to receive the final paint.. [SOC]	Pts	13		
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 <b>Raw Power DB</b> ( 2 tables ( Maximum 3) served by one circuit from LDB/PDB) Taken Above False ceiling and through walls/ partitions inside <b>M.S. Conduits</b> as raceways are not provided. Cost is inclusive of necessary cutting the walls and including <b>M.S. Conduits</b> as required for taking the wires.	Pts	13		
c	1 Nos of 6A sockets/SWITCH with one No. of 6A switch.. UPS Power/Raw Power ON CASH COUNTER	Pts	0		
d	1 No of 6A/16A switch sockets 6pin. Raw Power/Raw power FOR PRINTERS/ XEROX & OTHER UTILITIES,	Pts	2		
	SECTION-D				
5	Earthing with copper earth plate 600 mm x 600mm x 3 mm thick including accessories, and providing masonry 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.				
	<u>Note- Test Certificate for Earthing Shall be submitted with final bill for processing of final bill for payment</u>	Each	1		
	SECTION-E				
6	LIGHTING FIXTURES (Bajaj or equivalent)				
6.1	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	<b>DOWN LIGHT [DL]</b> - Slim, compact, auminum die cast edge lit panel. Recess mounted round fixture with opal diffuser and separate electronic driver , Wattage-18W, LED- 6500 K, of Havells, Phillips, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect. Ceiling cutout ø 180 mm, height 23 mm ±1 mm for 15 W	Each	2	1		
b	<b>2' x2' PANEL LIGHT [PL]</b> - Ultra Slim LED Panel made from extruded aluminium housing frame (recess / pendant) 2ft x 2ft , Wattage-30W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect.	Each	3			
c	<b>1' x1' PANEL LIGHT [PL]</b> - Slim, compact, auminum die cast edge lit panel. Recess mounted square fixture with opal diffuser and separate electronic driver of overall size 1ft x 1ft , Wattage-24W LED 6500K, of Havells, Phillips,Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect. Ceiling cutout (284x284) mm, height 23 mm ±1 mm for 24 W	Each	1	7		
d	<b>1200 MM TUBE LIGHT [TL]</b> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-20W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect.	Each	4			
e	<b>600 MM TUBE LIGHT</b> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-10W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect. [FL]	Each	2			
f	RGB Strip light cuttable type of overall length 5M with drivers and remote	Each	1	4		
6.2	Supplying including fitting fixing of following star rated new 450 mm dia bracket/wall fan in metal body and metal blade of Orient Electric (TORNADO Wall Black Metal) or equivalent of approved make , complete with all accessories with necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Bank					
	a) 400- 450 mm sweep	EACH	7			
6.3	Supply and fixing of 10" - 12" Metal bladed exhaust fans with louvers.[EF]	EACH	3			
7	<b>DATA POINT WIRING</b>					
7.1	Supplying, laying and termination of 4 pair Copper solid, twisted pair G600 CAT--6 cables through specified dia MS 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. Rates shall be inclusive of 5'-0" long patch chord with crimping on both ends					
a	RJ-45 for data points ( THROUGH False ceiling and wall)	points	13			
7.2	Supplying, laying and fixing of 19" 9U SS Rack Mount Recessed Frame for DATA point Terminations	LS	1			
8	<b>A.C POINT WIRING</b>					
	A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors.Rates shall be inclusive of cost of wires, wirings, sockets,starter, testing all complete	NOS	4			
9	<b>MISCELLENOUS WORKS</b>					
9.1	4 Pole 40 Amp Manual Changeover Switch For Mains to D.G. supply switching ( If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work	No	1			
A	<b>TOTAL OF ELECTRICAL &amp; OTHER RELATED WORKS</b>					

REVISED ON 21.05.2022

- Full Height Partition in Aesbestos Sheet
- Full Height Ply Partition finished in laminate
- Full Height toughened Glass partition
- Semi Height toughened Glass partition
- Existing Brick wall to be dismantelled fro door opening
- Existing Door Opening to be closed



# PROPOSED LAYOUT PLAN OF DIGITAL BANKING BRANCH AT AGARTALA, TRIPURA

CLIENT

**UNION BANK OF INDIA**  
GUWAHATI REGIONAL OFFICE  
G.N.B. ROAD, CHANDMARI  
GUWAHATI, ASSAM



**FLOOR PLANS**

GROUND FLOOR PLAN

CARPET AREA- 713.00 SQ. FT

JOB NO.	DATE	SCALE	DEALT BY	CHKD BY	DRG NO.
			AR. DEBOYOTI DEBROY		

SIGN & STAMP



FIRM NAME & ADDRESS

**ARCHIVENTIONS**

Architects, Planners & Interior Designers  
C.O.A. Regd. No.- CA. 2004 / 12922

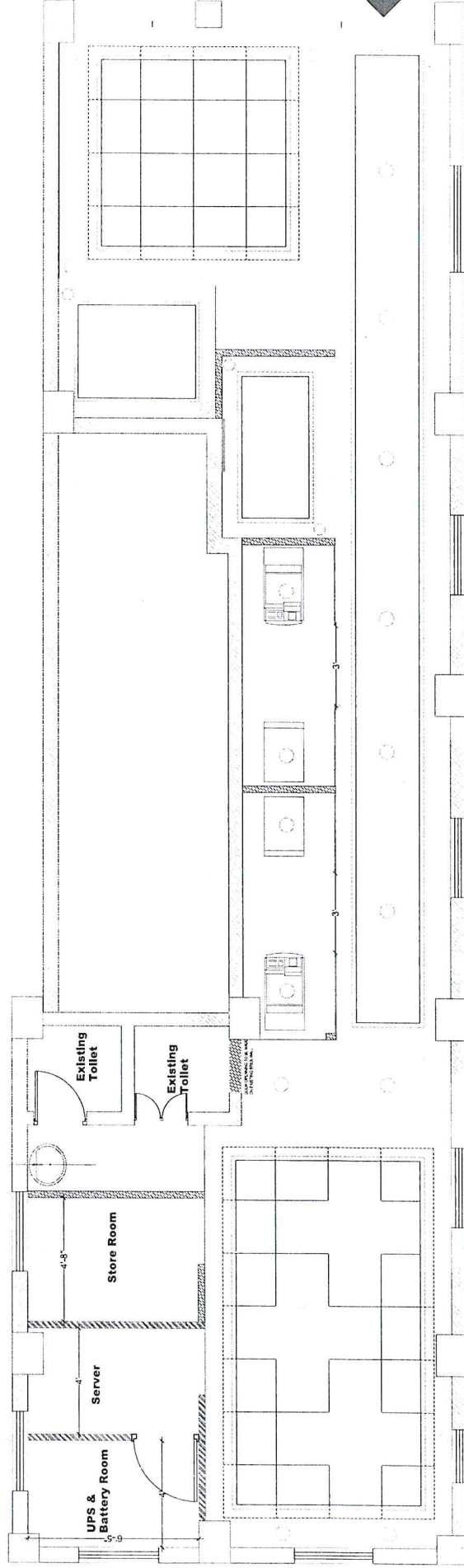
ADDRESS-

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



REVISED ON 21.05.2022

- Full Height Partition In Aesbestos Sheet
- Full Height Ply Partition finished in laminate
- Full Height toughened Glass partition
- Semi Height toughened Glass partition
- Existing Door Opening to be closed



# PROPOSED LAYOUT PLAN OF DIGITAL BANKING BRANCH

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GUWAHATI, ASSAM



## FLOOR PLANS

### PROPOSED LAYOUT OF DIGITAL BANKING BRANCH

#### AT AGARTALA, TRIPURA

GROUND FLOOR PLAN

CARPET AREA- 713.00 SQ. FT

JOB NO.	DATE	SCALE	DEALT BY	CHKD BY	DRG NO.
			AR. DEBAYOTI DEBROY		

SIGN & STAMP



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