

SUMMARY OF TOTAL BOQ COST FOR INTERIOR FURNISHING, ELECTRICAL, AIR CONDITIONING WORKS OF PUNJAB AND SIND BANK MODEL BRANCH AT MODERN SHAHADRA, NEW DELHI.		
<b>S. No.</b>		<b>AMOUNT (Rs.)</b>
<b>( A )</b>	<b>INTERIOR &amp; FURNISHING WORK</b>	
<b>( B )</b>	<b>ELECTRICAL WORK</b>	
<b>( C )</b>	<b>AIR CONDITIONING WORK</b>	
	<b>TOTAL PROJECT COST</b>	

Note :-

- 1 GST not included in the rates.
- 2 **Discount** (of any type) offered by the bidder, will lead to disqualification of the tendering process.
- 3 If there is discrepancy between words and figures, the amount in the words will preva

**BOQ OF INTERIOR AND FURNISHING WORK OF PUNJAB & SIND BANK MODEL BRANCH AT MODERN SHAHADRA, NEW DELHI.**

S. No.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (Rs.)	AMOUNT(Rs.)
(A)	<b>INTERIOR &amp; FURNISHING WORK</b>				
	<b>Notes:-</b>				
a	The rate for all demolishing and dismantling to include carting and disposing of the debris outside the site at Municipal Dumping grounds.				
b	The contractor will take approval/permission form the local authorities/Munciple Corporation to execute the work at site. Also the fees for kept the malwa outside the premises will be paid by the contractor.				
c	Necessary propping, shoring and underpinning shall be provided for the safety of the adjoining work or property, which is to be left in tact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining work or property.				
d	Note - No paneling shall be provided behind the storage / cabinets / tables sides or any other surface which is not visible (no payment for same shall be entertained by the bank). Entire paneling shall be provided only on visible surfaces as per approved layout or as directed by the Bank.The paneling should be provided on independent pillars in the branch hall only that too till soffit of false ceiling.				
e	Note:- Incase of wall not being true to plumb extra shims of aluminium section shall be provided. Nothing extra shall be payable in this regard.				
f	Note: a) In case of false ceiling, area of panelling payable will be below the false ceiling only. b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered. c) Openings/ door/ glass shall not be measured for payment.				
1	<b><u>CASH CABIN :</u></b>				

a	Supply and installation of cash counters as per detail drawing in 19mm thk Bwr ply, finished with 1mm thick Laminate of approved make top & front faces up 4'-0"ht. complete in all respect handles 4"high skirting and polishing to exposed surface.including drawers, locks and lipping/pvc tape to be provided at every exposed section of board & ply Sliding channels for key board & drawers to be provided at top 3'-0" ht.front 12 mm thk toughened glass erected including cutting of window for transaction/ between the customer and Cashier or officer. all internal surfaces to be finished with 0.8 mm laminate . ( Including front side 4'-0" ht. 12 mm thick HDHMR board with CNC cutting, finishing with Royale Matt PU Polish of desired shade design and gloss of approved makes complete) (Refer Architectural Drg.) <b>( Annexure - 1)</b>	R Mts	1.60		
b	Supply & installation of partition wall in cash cabin counter made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor with suitable aluminium angles and fastened with steel screws.Frame size 50 x 50 MM with 9 MM thick BWR Ply finished with 1mm thick Laminate up to 4'.0" ht & then 2'.0'/2'-6" ht 12mm thick glass on top of partition wall fixed with ply wood pillars at end.The rates include the doors in between the partition including hardware items like door closures, godrej sylindrical locks etc.complete in all respect. Including top of partition yellow bend finished. (Refer Architectural drg)	Sq Mts	13.00		
2	<b><u>PAINT WORK</u></b>				
a	Providing and applying three coats of pre-approved Plastic acrylic emulsion paint to walls, partitions etc. including surface preparation with two coats of putty, primer and sanding all complete. With the necessary drying periods for each coat. The final finish should be of a uniform and neat finish to the satisfaction of the Architect. Cost to inculde for all heights and surfaces , complete in all respect (Low VOC contain paint) Make: ICI DULUX ,Asian Paints.	Sq Mts	270.00		
b	Providing and applying plaster of paris (super fine quality) punning with minimum thickness of 6mm and finish the surface smooth in line and also making groove, level to the entire satisfaction of Architect including scraping and hacking the existing finished surfaces, scaffolding etc. complete in all respect	Sq Mts	200.00		
c	Painting two coats of enamel paint (Asian/BERGER ) including scrubbing, sand paper, making base applying primer etc complete in all respect in , grills etc.complete in all respect	Sq Mts	40.00		

d	Providing and applying Texture paints of Asian Royle Play/ Ikos/SKK brands on wall including base making etc( Base Rate Rs 100 sq.ft)	Sq Mts	30.00		
3	<b>False Ceiling:-</b> (Measurement shall be taken of the plan area only) Suspending system and frame work shall match to compliment the layout of A.C. Ducts / grills, electrical / fire protection wiring / fixtures, Return /supply Air grills etc. Rate to include provision of extra frame work needed due to layout referred above and fixtures etc. Rates to include necessary scaffolding.				
a	<b>Gypsum Board False ceiling Including all type steps :-</b> Providing & fixing Gypsum Board False ceiling with Saint Gobain "ULTRA" Main ceiling sections at 1200 c/c & Cross members at 450 c/c. The grid work to be suspended from ceiling with Hangers at every 1200 c/c both directions, as per manufacturer's specifications. False ceiling is finished with 12.5 mm thk. to be screwed to the frame. The board is finished with filling the tapered edges of the board with jointing compound and finishing with PAPER tape of INDIA GYPSUM. including ceiling is finished with acrylic Emulsion Paint with base as per approved manufacturer. The item includes all necessary cut outs for electrical / air conditioning grills and necessary frame work for them. Item includes Coves, curves, drops etc. (Only Plan area is considered for area calculations)	Sq Mts	135.00		
b	<b>Gypsum Board Circular Ceiling :-</b> Providing & fixing Gypsum Board round False ceiling with Saint Gobain "ULTRA" Main ceiling sections False ceiling is finished with 12.5 mm thk. to be screwed to the frame. The board is finished with filling the tapered edges of the board with jointing compound and finishing with PAPER tape of INDIA GYPSUM. The ceiling is finished with acrylic Emulsion yellow/green colour Paint including base as per approved manufacturer. The item includes necessary frame work for them. Item includes Coves, curves, drops etc.( <b>Annexure - 2</b> )				
i	600 dia x 50 mm (LxH) Yellow colour	Nos	1.00		
ii	900 dia x 50 mm (LxH) Green colour	Nos	4.00		

c	<p><b>Perforated Gypsum ceiling for sustainable and acoustic design :-</b> This includes fully knurled Perimeter Channel (0.55mm thick having one flange of 20mm and another flange of 30mm and a web of 28mm) screw fixed to brick wall/partition with the help of Nylon sleeves with steel screws at 600mm centers. Then suspending ST-55™ fully knurled intermediate section (45mm x 0.90mm thick with two flanges of 15mm each) from the soffit at 1220mm centers with ST-55™ fully knurled Ceiling L Angle (25x10mmx0.55mm thick) fixed to RCC Slab with 27x25x37x1.6mm, Soffit Cleat and 8mm Dia 35mm long Fasteners @ 1220mm Centers respectively. ST-55™ fully knurled Ceiling Section (51mm x 0.55mm thick with two flanges of 27mm each) are then fixed to the Intermediate channel with the help of 2.64mm Dia wire connecting in perpendicular direction to the intermediate channel at 300mm centers. ST-55™ profiles are rolled with GI Steel (120 GSM &amp; 230 MPa Yield Strength) conforming to IS 277. Then 12.5mm thick (Designpanel Micro) Perforated Gypsum Plasterboard having of size 1200x2400mm, Perforation type 3x3mm square holes @ 8.33mm c/c, Open area of 7.1-9.8%, Fire rating - A2-s1, d0, Air quality - Indoor value: 10 days, Particle emission: LOW, Active air purification with Cleaneo technology, NRC -0.65 with 50mm mineral wool and 65mm air gap is screw fixed with Metal Framing with the help of 25mm long Drywall screws at 200 mm centers. All joints to be taped &amp; finished with 50mm wide USG Knauf Paper tape &amp; APJC Joint compound. The rate includes all required shuttering , scaffolding,labor,material complete in all respects to the complete satisfaction of the Architect. . Colour as per selection of architect/ Engineer. <b>(Make - USG Knoff / Armstrong) ( Annexure - 3 )</b></p>	Sq Mts	15.00		
d	<b>BAFFLE CEILING</b>				

	Supply and fixing of Baffle ceiling system includes suspending secondary C channel (40mm x 0.8mm thick with two flanges of 15mm & 20mm) from the soffit at 1200mm centers with adjustable level clips & 4mm diameter GI rod which are connected to Soffit Cleat and Approved Fasteners @1200mm centers or as approved. Then 0.5mm thick Galvanized Baffle carrier profiles of size 34x23mm are then fixed to C carrier with the help of approved screws and in perpendicular direction to the C channel at 1200mm max centers. Then 25X100mm Baffle Panels of 0.50mm thick Powder Coated GI with 50 to 60 microns polyester paint thickness along with 5 mm lip of wooden finish or as approved. These panels to be secure With Baffle carrier by interlocking their lips into the baffle carrier lock profile @100mm regular intervals (c/c spacing). Provide both side end cap and top cap at every baffle panel end edges and top edges. The rate includes all required shuttering , scaffolding, labor, material complete in all respects to the complete satisfaction of the Architect. Colour as per selection of architect/ Engineer. <b>(Make - USG Knoff / Armstrong) ( Annexure - 4)</b>	Sq Mts	20.00		
e	<b>Ceiling Paint In Hall Areas, etc.)</b>				
	Providing and applying desired paint <b>(Gray/Black)</b> luster Paint as approved shade finish to Roof Ceilings Behand of WPC Baffle Ceiling of approved shade. The surface of wall to be painted shall be prepared and applied with two coats of primer, two coats of putty and touch up putty if required to achieve smooth finish. The surface shall be painted with two coats of luster paint of <b>(Nerolac/Berger/Dulux/ Asian/ ICI)</b>	Sq Mts	20.00		
4	<b>LOW HEIGHT PARTITION (Curve shape)</b>				
	Providing and Fixing of low height wooden partition (up to 4'-0" height) made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply finished with 1mm thk Laminate as per approved colour, design, shape and size, inculding on top Teak wood lipping 6mm thk as required to be provided at every exposed section of ply inculding Anti Termite Treatment complete in all respect and satisfacation, instructed by Architect/Engg.	Sq Mts	11.00		
5	<b>FULL HEIGHT WOODEN GLAZED PARTITION WITH ONE SIDE LAMINATE AND ONE SIDE LAMINATE WITH HDHMR BOARD WITH CNC CUTTING FINISHED) MANAGER CABIN</b>				

	Providing and Fixing of full height wooden glazed partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. Laminate in approved colour,design, shape and size, & 12mm thick toughened glass panel fixed upto 8'-0"ht. inculding all exposed surface with teak lipping 6mm thk as required and instructed by Architect and teak wood door frame in between the partition. inculding Anti Termite Treatment.Complete in all respect and satisfacation of Architect/Engg.( Including fixing partition outer side 12 mm thick HDHMR board with CNC cutting, finishing with Royale Matt PU Polish of desired shade design and gloss of approved makes complete) (Refer Architectural Drg.) ( <b>Annexure - 5</b> )	Sq Mts	11.00		
6	Providing & fixing 12mm toughened fixed glass partition upto the false ceiling height. The glass fixed with S.S channel inserted in floor and fixed to wooden member in the false ceiling. The size of glass to be bigger in width. The edges of glass to be polished and if joints are needed the joints to be filed with matching silicon complete.	Sq Mts	9.00		
7	<b>FULL HEIGHT SOILD PARTITION BOTH SIDE LAMINATE</b>				
a	Providing and Fixing of full height wooden partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws.Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. Laminate in approved colour,design, shape and size, inculding all exposed surface with teak lipping 6mm thk as required and instructed by Architect and teak wood door frame in between the partition. inculding Anti Termite Treatment. Complete in all respect and satisfacation of Architect/Engg.	Sq Mts	5.00		
b	<b>FULL HEIGHT SOILD PARTITION WITH INNER SIDE ROSE GOLD T PATTI</b>				

	Providing and Fixing of <b>Manager cabin</b> full height wooden partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. Laminate with golden rose 12/18 mm wide and 1 mm thick aluminium patti in approved colour, design, shape and size, including all exposed surface with teak lipping 6mm thk as required and instructed by Architect and teak wood door frame in between the partition. including Anti Termite Treatment. Complete in all respect and satisfaction of Architect /Engg. (Refer Architectural Drg.) ( <b>Annexure - 6</b> )	Sq Mts	5.00		
c	<b>FULL HEIGHT SOILD PARTITION WITH ONE SIDE LAMINATE AND ONE SIDE LAMINATE &amp; HDHMR BOARD WITH CNC CUTTING FINISHED)</b>				
	Providing and Fixing of Electrical Room full height wooden partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1 mm thk. both side Laminate and on the laminate finished with one side 12 mm thick HDHMR board with CNC cut moulding and cornices , including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/ Engg . (HDHMR board finished with finishing with Royale Matt PU Polish of desired shade design and gloss of approved makes complete). Including all accessories such as screws. Complete all respects.	Sq Mts	3.00		
8	Providing and fixing wicket gate made of Aluminium frame 25mmx50mm covered with 9mm ply of approved make. Both side of ply shall be finished with 1mm thick laminate of approved colour over teak wood lipping (1/2" thick) is fixed on all four edges. Laminate colour scheme to be followed as per drg./design gate is properly fixed with clip hinges/spring hinges to low height partition and is openable in both directions. Approved make lock along with powder coated brass handle and tower bolt is fixed as per design/drawing. All work to be done complete in all respects.	Sq Mts	2.00		

9	12mm thick Toughened glass for officer table :- Providing and fixing 12 mm thick, clear plain toughened glass for tables front & top with superior quality stainless steel patch fittings of ebco/godrej/ozone. All the edges of the glass shall be grinded/bevelled and polished. The glass shall also be etched as per the design. Glass area with maximum height shall be measured for the purpose of payment. The work shall be carried out as per drawings.	Sq Mts	4.00		
10	<b>DOORS</b>				
a	Providing and fixing frame less patch fitting Single and double door with 12mm thick toughened (As per approved design & name/logo) with frame less glass fittings & two way floor springs (DORSET, OZONE or equivalent make). The item includes providing and fixing S.S. handle 450 mm long on both side of glass, locks and fittings as per the manufacturer's specifications. complete to the satisfaction of Architect/ Bank's Engg	Sq Mts	7.00		
b	Providing and fixing 35 mm Flush doors with 1.0 mm thk. laminate on both sides as per design. Edges of door to have 6mm thick Teakwood lipping. The item includes Providing and fixing chaukhats made from 75mm x 40mm TEAK wood members. Item includes all following items / finishes: hardware such as 4 nos. 125mm SS hinges, SS tower bolts,Door Closer,Mortise Locks with SS handles (Hettich, Dorset, Godrej). Item includes polishing all wooden surfaces with Deco paint Rubbing poilishing etc including preparing base.	Sq Mts	4.00		
C	Providing & fixing 12 mm HDHMR Board door (Electrical room ) with 75x50 MM Teakwood Frame (chaukhat). The door shutter to be made from 125x35MM Teakwood sides top members with bottom rail of 200x40 MM Teakwood member. Item includes 12mm (HDHMR board with CNC Cutting finished fixing on top of Teakwood member with Royale Matt PU Polish of desired shade design and gloss of approved makes complete). The door is to be complete with Mortise Lock & SS handle (Hettich, Dorset, Godrej), S.S Stopper, Door Closer,4 no 125mm S.S. hinges etc. all wood surfaces to be Deco paint Rubbing poilishing etc complete to the satisfaction of Architect / Engg. Size of Opening : 900 x 2100 (Approx.)	Sq Mts	2.00		
11	<b>PANELLING BRANCH &amp; E-LOBBY</b>				
a	<b>PANELLING WITH LAMINATE</b>				

	Providing and Fixing of wooden Panelling of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 9 MM thick BWR Ply with 1mm thk. Laminate in approved colour, design, shape and size, including Anti Termite Treatment. Complete in all respect and satisfaction of Architect /Engg. (Note :- Including 100 mm and 50 mm Laminate Skirting and border. )	Sq Mts.	40.00		
b	Providing and fixing 1 thick and 12/18 mm wide SS Rose gold T profil Patti on panelling/Partition. Complete in all respect and satisfaction of Architect /Engg.	Rmt	15.00		
c	<b>PANELLING WITH LAMINATE &amp; HDHMR BOARD WITH CNC CUTTING</b>				
	Providing and Fixing of wooden Panelling of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 9 MM thick BWR Ply with 1.00 mm thk. Laminate finished with 12 mm thick HDHMR board with CNC cut moulding and cornices , including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/Engg. (HDHMR board finishing with Royale Matt PU Polish of desired shade design and gloss of approved makes complete) (Refer Architectural Drg.) ( <b>Annexure-7</b> )	Sq Mts.	70.00		
d	<b>WALL PANELING (WPC LOUVERS) :-</b> Providing and Fixing of WPC Louvers Panelling of wall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 9 MM thick BWR Ply with panelling to be finished with high-grade material WPC louvers panel 25mm thk. & 6" wide on wall and Column as per the architectural drawing and design. The work shall also include the cost of making cut-outs for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical /telephone /Data cabling etc. COMPLETE IN ALL ASPECTS AS PER ARCHITECTURAL DRAWINGS AND AS PER PER ENGINEER INCHARGE AND ARCHITECT.	Sq Mts.	10.00		

e	<b>Artificial vertical garden/panelling :-</b> Providing and fixing PVC vertical garden with artificial plants (big ferns on ficus leaves with flowers ), stands, pots fixed with walls/partition/Paneling.complete in all respects as per design given . The rates quoted are inclusive of making of niches,1 mm thk. laminate over the 12 mm thk ply, adhesive etc. labour scaffolding etc. complete in all respects to give the desired look and finish as per drg. The work shall also include the cost of making cut-outs for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical/telephone/Data cabling etc. COMPLETE IN ALL ASPECTS AS PER ARCHITECTURAL DRAWINGS AND AS PER ENGINEER INCHARGE AND ARCHITECT. ( <b>Annexure-8</b> )	Sq Mts.	4.00		
f	Panelling of wall up to ceiling level made of 9 mm ply,mica 1mm thick of approved make fixed up to ceiling height including required material and others.Complete all respects.	Sq Mts.	10.00		
g	Providing and fixing 12mm MDF board with CNC cutting on existing ply with (HDHMR board finishing with Royale Matt PU Polish of desired shade design and gloss of approved makes complete) (Refer Architectural Drg.) Including all accessories such as screws and other. Complete all respects.	Sq Mts.	20.00		
h	Providing and fixing 1mm thick 100mm green and 50mm yellow laminate border on existing ply/HDHMR board panelling. Including all required material and others. Complete all respects.	Rmt	30.00		
i	Providing and Fixing of wooden Panelling of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws.Frame size 25 x 50 MM with 9 MM thick BWR Ply with 6mm colour lacquered glass in approved colour,design, shape and size, including Anti Termite Treatment.Complete in all respect and satisfaction of Architect/Engg.	Sq Mts.	10.00		
j	Providing and fixing 12 mm corian with CNC cutt complete as per design with buffing polishing making nosing complete.	Sq Mt	15.00		
k	Providing fixing and pasting <b>Wall paper</b> as per design & details. The item includes making POP base to get a uniform smooth surface. (Base Price Rs.1400/ Sqm without taxes) The fixed area of wall paper shall be considered for payment and not the area of procured material.	Sq Mt	10.00		

1	Providing and Fixing of wooden Panelling of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 9 MM thick BWR Ply with 4 mm Veneer with PU Polish in approved colour, design, shape and size, including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/Engg. Base Rate of Venner 100/ Sft.	Sq Mt	15.00		
12	Providing and fixing of 8-9 mm thick Laminated wooden flooring for Manager cabin with a surface abrasion resistance of class AC4, with 0.2mm thick wear layer on top of a High Density Fibre substrate core of plank having uniline locking arrangement with an made of Armstrong natural colour foam, with accessories like Skirting, end profile, door profile, transition profile, reducer etc. complete. Make-ARMSTRONG/ AMBIENCE PLUS/ PERGO /vista. Length and breadth of superficial areas of the finished work shall be measured for payment. (Base Price Rs.1500/ Sqm.without taxes)	Sq Mts.	15.00		
13	<b>STORAGE</b>				
a	Providing and fixing Storage cabinet 380 mm deep and 750/1200 mm high length as/deign as shown in details with top all sides, shelves to be 18-19 mm thk. BWR ply with 6mm BWR ply to be fixed at the back finished with 0.8mm laminate. The shutters/sides/top to be 18-19mm BWR board/ply ,finished with 1mm thk laminate. All internal surfaces to be finished with 0.8 mm laminate . All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. (Only front elevation to be considered for area calculation)	Sq Mts	12.00		
b	Providing and fixing Storage cabinet 450mm deep and 2100 mm high length as/deign as shown in details with top all sides, shelves to be 18-19 mm thk. BWR ply with 6mm BWR ply to be fixed at the back finished with 0.8mm laminate. The shutters/sides/top to be 18-19mm BWR board/ply,finished with 1mm thk laminate. All internal surfaces to be finished with 0.8 mm laminate. All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. (Only front elevation to be considered for area calculation)	Sq Mts	17.00		

c	Providing and fixing storage cabinet (below platform) in pantry The Front frame and shutters including partition to be 18-19mm BWR ply finished with 1.0 mm thk laminate. All internal surfaces to be finished with 0.8 mm laminate. All edges of shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. Only front elevation to be considered for area calculation.	Sq Mts	1.00		
	<b>FURNITURE</b>				
14	<b>Manager table</b> to have 18-19 BWR Ply , finished with 1mm thk Laminate all edges of table and front or side. All internal surface of table to be finished 0.8 mm lamintae.Drawer unit to be made from only FASCIA 19mm BWR ply but the inner drawers made from 12mm Bwr Ply.and 19mm BWR ply FASCIA finished with 1mm thk Laminate .The drawers to run on telescopic drawer channels (Hettich, Kaff, ozone). Drawer units to have two smaller and one bigger drawers.and locking arrangement (Godrej/ Hettich/ Dorset). Including Teak lipping 6mm thk as required to be provided at every section of ply.Footrest of 75x50mm 2nd class teakwood member to be fixed for each table with Deco paint on expoed teak wood surface /lipping, the rate to include all hardware such as drawer channels, S.S handles, single lock for three drawers etc. The item also includes a key-board tray running on telescopic channel, made from 19mm BWR Ply finished with 0.8mm laminate on top and teakwood round moulding in front (size of key board 560x450) readymade CPU trolley with castors etc. Including 8 mm flot glass black for table top. <b>The table size is taken to be 1800mm wide x 900mm depth x750mm height.(As per drawing) ( Annexure-9 )</b>	Nos	1.00		
15	Providing and fixing <b>Side Credenza/ table</b> made from 19mm BWR Ply for sides, shelves, top and shutters. The table exposed areas front,top and sides to be finished in 1mm thk Laminate All internal surface of table to be finished with 0.8 mm laminate , all edges of table Including Teak lipping 6mm thk as required to be provided at every section of ply.complete with base as required. Item includes all hardware such as Self closing hinges, SS handles, Locks etc. complete. Rest of specifications to be same as for main furniture. <b>size of side table 900 x380 x 675.(As per drawing)</b>	Nos	1.00		

16	<p><b>Table</b> to have 18-19 BWR Ply , finished with 1mm thk Laminate all edges of table and front or side. All internal surface of table to be finished with 0.8 mm laminate.Drawer unit to be made from only FASCIA 19mm BWR ply but the inner drawers made from 12mm Bwr Ply.and 19mm BWR ply FASCIA finished with 1mm thk Laminate .The drawers to run on telescopic drawer channels (Hettich, Kaff, ozone). Drawer units to have two smaller and one bigger drawers.and locking arrangement (Godrej/ Hettich/ Dorset). Inculding Teak lipping 6mm thk as required to be provided at every section of ply.Footrest of 75x50mm 2nd class teakwood member to be fixed for each table with Deco paint on expoeed teak wood surface /lipping, the rate to include all hardware such as drawer channels, S.S handles, single lock for three drawers etc. The item also includes a key-board tray running on telescopic channel, made from 19mm BWR Ply finished with 0.8mm laminate on top and teakwood round moulding in front (size of key board 560x450) readymade CPU trolley with castors etc <b>The table size is taken to be 1200mm wide x 600mm depth x750mm height.(As per drawing) ( Annexure- 10 )</b></p>	Nos	4.00		
17	<p><b>Reception Table</b> (Providing and fixing at site reception table made of 19mm thk. BWR ply with 1 mm thk laminate of desired shade and with front vertical surface pasted with fluted MDF.CP Teak wood lipping will be provided on all edges of the table, including PU polish. The work shall also include provision of Profile Lights in front of Counter/ Tables. and There shall be provision of one storage cabinet 1'- 3" wide.The frame shall be made with 19mm thick commercial ply. The cabinet shall have Three lockable drawer running on side mounting drawer slides (channels) (Makes-Hettich / Haffele/ Godrej/Ozone) of approved make &amp; one cupboard with shutter beneath the drawer, made of 19mm thick commercial ply finished with 1mm thick laminate of desired shade &amp; design. All fitting / acessory shall be of approved make. The sides of the drawer shall be made of 12mm thick plywood, bottom of 6mm thick BWR ply front of 19mm thick BWR Ply. Including 8 mm flot glass black for table top.All internal surface of table to be finished with 0.8 mm laminate. <b>The table size is taken to be 1200mm wide x 600mm depth x750mm height.(As per drawing) ( Annexure-11 )</b></p>	nos	1.00		
18	<b>TROPHY CASE 1'-6"x6'-0" HIGH FOR BRANCH MANAGER.</b>				

	Providing and fixing Manager cabin Trophy Case of size (18" W, upto ceiling height) made up of 19mm thk BWR ply with 1mm thk laminate of approved shade as per the architect with partition made in 12" gap from each other. Complete with closing of all joints and accessories complete in all respect as per direction of Engineer-In-Charge. Measurement will be done for front surface area.(As per drawing) ( Annexure -12 )	Sq Mts	2.00		
19	Providing & fixing Writing table (as/design) with size -600x450mmx300mm made out of 19mm thick MR ply finished with 1mm thk.laminate both side and 8 mm thick clear float glass on top.	Nos	1.00		
20	Providing & fixing in position Cheque drop box (as/design) with hinged shutter of size - 450mmx600mmx300mm made out of 19mm th water proof Bwr Ply finished with 1mm thk laminate. The hinged shutter shall be made out of teak wood frame work with 6mm th. Float glass. (As per drawing)	Nos	1.00		
21	Providing and fixing <b>notice boards</b> with 19mm and 9mm BWR Ply finished with 1.0 mm thk. Laminate. notice board sides 38mm and back to have 9mm thk BWR Ply with 1.0mm thk. laminate . Item includes all hardware complete including All edges of ply to have 2mm PVC Edge binding tape and 19 mm double board for making cove 100 mm as per details. Including all accessories such as screws and other. Complete all respects.(As per drawing) ( Annexure- 13)	Sq Mts	5.00		
22	Providing & fixing in position complaint /suggestion box (as/design) with hinged shutter of size - 450mmx 600mm made out of 19mm th water proof Bwr Ply Finished with 1mm th laminate. The hinged shutter shall be made out of teak wood frame work with 4mm th. Float glass.(As per drawing)	Nos	1.00		
23	Providing and fixing of 3M film <b>CRYSTAL as per design.</b>	Sq Mts	8.00		
24	Providing and fixing vertical blinds of approved shade and texture (Vista/Hunter douglas)	Sq Mts	6.00		
25	Supply and installation of boxing of rolling shutter with 4mm ACP Sheet consisting of 3mm tk FRgrade mineral core Sandwiched between two aluminium sheets (.5mm thick) with 25 x 25 mm aluminium tube at spacing 600 x 600 of approved make.	Sq Mts	12.00		
26	<b>Antitermite treatment (Pest Control)</b> for entire floor area and hidden woodwork with 5 year Guarantee certificate complete.	Sq Mts	150.00		
	<b>MISCELLANEOUS WORK</b>				
27	<b>PSB LIT UP LOGO ( 2'-0" DIA)</b>				

	Providing and making PSB logo using acrylic signage logo with light . Complete in all respect as per direction of Engineer-In-Charge.	NO.	2.00		
28	<b>PSB LOGO ( 2'-0" DIA)</b>				
	Providing and making PSB logo made of SS and PVD coated in rose gold . Complete in all respect as per direction of Engineer-In-Charge.	NO.	1.00		
29	Applying and fixing of banks Etching <b>logo sticker</b> as per drawing and design Complete.	NO.	10.00		
30	Providing and fixing PANTRY/TOILET Mirror on wall with 6mm thick clear glass mirror with bevelled edge fixed over 6mm water proof ply finished in teak wood moulding 2"x1". The moulding to be finished in melamine polish (complete as per the direction of Engineer-in-charge)	Sq Mt	1.00		
	<b>TOTAL OF INTERIOR &amp; FURNISHING WORKS</b>			<b>(A)</b>	

**Annexure - 1**



**Annexure - 2**



**Annexure - 3**



**Annexure - 4**



**Annexure - 5**



**Annexure - 6**



**Annexure - 7**



**Annexure - 8**



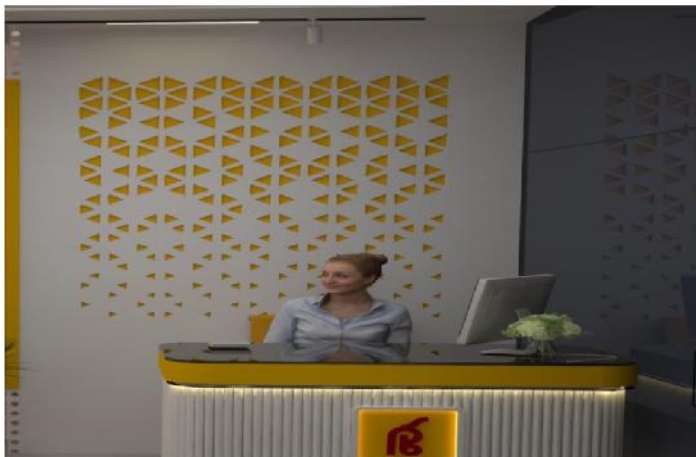
**Annexure - 9**



**Annexure - 10**



**Annexure - 11**



**Annexure - 12**



### **Annexure - 13**



<b><u>BOQ OF ELECTRICAL WORK FOR PUNJAB &amp; SIND BANK MODEL BRANCH AT MODERN SHAHADRA, NEW DELHI.</u></b>					
<b>S.No.</b>	<b>DESCRIPTION</b>				<b>AMOUNT</b>
<b>A)</b>	<b>MV PANEL BOARDS</b>				
<b>B)</b>	<b>MV CABLES</b>				
<b>C)</b>	<b>DISTRIBUTION BOARDS</b>				
<b>D)</b>	<b>POINT WIRING</b>				
<b>E)</b>	<b>TELEPHONE SYSTEM</b>				
<b>F)</b>	<b>COMPUTER DATA NETWORKING</b>				
<b>G)</b>	<b>SUPPLY &amp; INSTALLATION FANS FIXTURES &amp; LIGHTS</b>				
<b>H)</b>	<b>EARTHING</b>				
<b>I)</b>	<b>FIRE FIGHTING</b>				
<b>J)</b>	<b>SECURITY ALARM SYSTEM</b>				
<b>K)</b>	<b>CCTV CAMERA SYSTEM</b>				
	<b>TOTAL OF ELECTRICAL WORKS</b>				
	<b>PREAMBLE TO BOQ</b>				
1.0	The work shall be executed as per relevant specification and drawings.				
2.0	All material and equipment shall be as per specification and as per approved makes of material. Where specifications are not available the material shall be as per Indian standard specifications. The quantities and capacities of the equipments shall meet the requirement for successful completion of the work.				
3.0	The installation and testing shall also be as per specifications and as per direction and satisfaction of Engineer in charge.				
4.0	Contractor shall submit the shop drawings for approval by consultants / Engineer in charge. The work shall be carried out as per the approved shop drawings.				
5.0	Panels shall be fabricated as per specifications after approval of fabrication drawings by consultant / Engineer incharge.				
6.0	All Electrical panel must have provision of potential free contacts for BMS/FAS.				
7.0	All Electrical panel must have digital type energy meter with RS 485 port.				
8.0	The rates of all the items of the BOQ shall include the cost of :-				

i)	All materials, fixing hardware, accessories, tools and plants, freight, insurance, labour, taxes, duties, testing commissioning and of the work, as per specifications and drawings.				
ii)	Wastage on material and labour.				
iii)	Loading, unloading, handling charges, hoisting the material to all upper levels.				
iv)	Execute the work as per specifications and drawings to the full satisfaction of engineer incharge.				
v)	All liabilities, obligations and risks arising out of conditions of contract.				
vi)	All requirements for successful completion of the work whether mentioned in BOQ, specifications and drawings or not.				
vii)	In the event of conflict between BOQ, specifications and drawings, the most stringent shall apply. The decision of Architect / Engineer incharge / Consultant shall be final and binding.				
9.0	The quantities of the items in the BOQ are for general guidance only based on the consultants drawings and documents. The contractor shall be paid for actual quantities as per schedule rates.				
10.0	Contractor shall visit the site before quoting the rates and satisfying himself about the working conditions. Since this is a tall building, hoisting the material to upper levels may be taken into account while quoting the rates. No extra claim on this account shall be entertained.				
11.0	Approval of all makes of material to be supplied out of approved list, shall be obtained by the contractor. Sample of the material shall be kept at site to check with the material actually installed at site.				
12.0	Engineer in charge may get the material tested at authorized labs. In case material is found under specifications as per IS, same shall be replaced by the contractor. The test fee for 1 <sup>st</sup> test shall be borne by the client but for subsequent test, fee due to failure of first sample, would be borne by the contractor.				
13.0	Testing and commissioning shall be carried out as per IS 732-1989 for the installation. The record of test results shall be maintained and submitted to the engineer in charge who would check the same at random.				
14.0	The tender shall be filled in ink and any cutting / overwriting shall be attested by the tenderer. Rates shall be quoted both in figures and words. If there is discrepancy between the rates in figures and words, then rates in words shall be final.				

15.0	Totaling errors or missing amounts shall be corrected and incorporated in tendered amount.				
16.0	Continuous earth wire shall run alongwith circuit wiring and point wiring. All switch boxes and fixtures shall be earthed. Only solid conductor earth wire shall be used for earthing.				
17.0	Where only conduits are laid for other services 16 SWG steel wire shall run in the conduit for pulling the wires at later date, by other agencies.				
18.0	Tenderer may note that there are lot of RCC walls in which conduits and outlet boxes switch boxes are to be provided. Costing of such walls shall be done with mixer shutterings. Conduits and boxes shall be laid before pouring the concrete. The outlet boxes, J.bboxes, switch boxes shall be touch welded to the reinforcement before concreting. Only deep metallic J.bboxes shall be used with PVC conduit as well.				
19.0	All connections shall be through, aluminium ferrules for aluminum conductors and copper ferrules for copper conductor cables.				
20.0	Earth wire with point wiring, circuit wiring, shall be of green colour with solid conductor.				
21.0	DBs shall be circuit numbered.				
22.0	As built drawing shall be prepared by the contractor after successful completion of the work these drawings shall incorporate the actual layouts, routes of cables and conduits with sizes, locations of outlets, DBS switch rooms panel, Tag blocks EPABX, Switches servers, fire detectors, zonal and main fire panels, location of CCTV cameras, monitors, etc. sets of blue prints of switch drawings shall be submitted to the Engineer incharge for verification with actual layout at site and for record.				
<b>S. No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE (Rs.)</b>	<b>AMOUNT(Rs.)</b>
<b>A)</b>	<b>MV PANEL BOARDS</b>				

	Design, fabrication, loading, unloading at store, installation, testing & commissioning as directed by Engineer-in-Charge, of LT Panels fabricated out of 2mm thick for structural members (Load bearing members) and 1.6mm thick for door and covers (Non load bearing members) CRCA sheet in cubicle compartmentalize free standing floor mounted, dust and vermin proof with reinforcement of suitable size angle iron, channel 'T' irons and / or flats wherever necessary, 16 gauge CRCA sheet steel shall be used for final distribution panels. Cable gland plates shall be provided on top as well as at the bottom of the panels. Panels shall be treated with all anticorrosive process before painting as per specifications with 2 coats of zinc chromate primer and final approved shade of enamelled paint. 2 Nos. earthing terminals shall be provided for all distribution panels. Panels shall be suitable for 415V, 3-phase, 4-wire, 50Hz supply system and with 15% spare space, lifting hooks shall also be provided in case of large panels. Panel must be BMS/FAS Compatible.				
	Approval shall be taken for each panel before fabrication. Galvanized hardwares with zinc passivation shall be used in fabrication of panels.				
	<b>General Notes:</b>				
1.0	<b>MCCB:</b>				
	MCCBs shall be used with Thermal Magnetic Based releases upto 250A and microprocessor based Over Load, Short Circuit / Earth Fault release.				
2.0	Breaking capacity mentioned is lcs value.				
3.0	This BOQ to be read in conjunction with technical specifications and Single Line Diagram (attached for reference). If any discrepancy occurs that should be brought to the notice of Client/Consultant before quoting the price otherwise stringent condition will be deemed to have been considered.				
4.0	All MCCBs shall be provided with rotary operating handle and ON/OFF lamps.				
5.0	All meters shall be digital type (unless otherwise specified) with RS 485 Port.				
6.0	All Incoming and outgoing breaker must have provision of Potential free contacts for BMS/FAS.				
7.0	All MCBs shall be motor duty type.				
8.0	All current/voltage transformer shall be cast resin type.				
9.0	All indicating lamps shall be LED type.				
10.0	Current density for Al. bus bars shall not be more than 0.8A/Sqmm. Rating of Bus bar is after considering all derating factors. (Bus bar sizing calculation to be submitted for approval.)				
11.0	All internal control wiring shall be heat resistant type.				

12.0	All TP feeders shall be provided with Isolable neutral link.				
13.0	Bus bar chamber & cable entry both shall be provided at top only.				
14.0	All feeders shall be provided with door interlocked with door defeat, pad lock facility.				
15.0	Live parts shall not be accessible after opening the door, Transparent acrylic sheet to be provided to cover the same.				
16.0	Spare contacts of MCCBs / Relay / Contactor shall be wired upto terminal block.				
17.0	20% spare control terminal to be provided.				
18.0	All incoming/outgoing cables shall be terminated on links/terminals.				
<b>1.0</b>	<b>MV PANEL</b>				
<b>I.</b>	<b>INCOMING</b>				
a)	1 No-125 Amp,25KA,4P MCCB				
<b>II.</b>	<b>METERING &amp; INDICATION SEB</b>				
a)	CT for metering 120/5A Class-1, 15VA - 3 Nos.				
b)	Multifunction Meter-1 no.				
c)	Red, Yellow & Blue indicating lights with control MCB of 2A - 1 Set				
<b>III</b>	<b>OUTGOING</b>				
a)	63 A TPN MCB (10KA) - 2 No.				
b)	40A TPN MCB (10KA) -`1 Nos.				
c)	25A DP MCB (10KA) -1 Nos	Nos	1.00		
d)	4 Pole ELCB/RCCB 100 M Amp , 1 Nos of Siemems/ L&T/Sneider Including all accessories neutral links etc all complete including dressing				
e)	Manual changeover 125 Amp				
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( A )</b>	
<b>B)</b>	<b>MV CABLES</b>				
<b>1</b>	Supplying, Laying, testing & commissioning of the following sizes of XLPE Al./ co. Conductor armoured cables of 1.1KV grade on the surface of wall or on existing cable trays complete with hangers, properclamps fixing hardware etc. as required				
a)	4 C x 25 Sq. mm Al. Cable	R/mt	35.00		
b)	4 x 10 sqmm Copper Wire with 50 mm conduit	R/mt	30.00		
c)	4 x 6 sqmm Copper Wire with 25 mm conduit	R/mt	20.00		
<b>2</b>	Suppling, making, testing & commissioning of end termination with brass mettalic double compression glands suitable for the following sizes of XLPE Al. conductor armoured cables including proper sizes of copper thimbles etc. as required.				

a)	4 C x 25 Sq. mm Al. Cable	Nos	4.00		
b)	4 x 10 sqmm Copper Wire	Nos	4.00		
c)	4 x 6 sqmm Copper Wire	Nos	4.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( B )</b>	
<b>C)</b>	<b>DISTRIBUTION BOARDS</b>				
	Supplying, installation, testing & commissioning of following type wall mounted Horizontal TPN/SPN distribution board of double door type design made out of 16 Gauge MS sheet with supplying and fixing following accessories including painting, interconnections, painting, earthing and labeling etc. as required.				
<b>1.0</b>	<b>4 WAY TPN DB (PDB)</b>				
	Incoming				
a)	63Amp TPN MCB (10KA) - 1 No				
b)	63Amp DP RCCB (30mA) -1 Nos				
	Busbars				
c)	100 Amp TPN copper busbars - 1 Set				
	Outgoing				
d)	10/16/20/25 Amp SP MCB (10KA) - 12 Nos	Set	1.00		
	Neutral links - 3 Nos (Separate for each phase)				
<b>2.0</b>	<b>4 WAY TPN DB (LDB)</b>				
	Incoming				
a)	40Amp TPN MCB (10KA) - 1 No				
b)	40Amp DP RCCB (30mA) - 1 Nos				
	Busbars				
c)	100 Amp TPN copper busbars - 1 Set				
	Outgoing				
d)	10/16/20/25 Amp SP MCB (10KA) - 12 Nos	Set	1.00		
	Neutral links - 3 Nos (Separate for each phase)				
<b>3.0</b>	<b>12 WAY SPN DB (UPS)</b>				
	Incoming				
a)	63Amp DP MCB (10KA) - 1 No				
b)	Busbars				
	100 Amp SPN copper busbars - 1 Set				
c)	Outgoing				
	10/16/20/25 Amp SP MCB (10KA) - 10 Nos	Set	2.00		
<b>4.0</b>	<b>63 Amp. 4 P ,25ka MCB with Box for UPS</b>	Set	2.00		

	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( C )</b>	
<b>D)</b>	<b>POINT WIRING</b>				
1.0	Wiring for switch controlled Light Point with 3 x 1.5 Sq. mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in PVC surface/recessed conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and costing circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS Multistrand copper conductor wires, inPVC conduit complete as per specifications and as required.				
(i)	Primary Point	Points	35.00		
(ii)	Secondary Point	Points	40.00		
2a	Wiring for 5 pin 6 A Light plug point with 3 x 1.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in <b>recessed/surface FRLS PVC conduit</b> with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required.	Points	14.00		
b	Wiring for 3 nos. 5 pin 6 A Light plug point controled by 6 A Switch with 3 x 2.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in <b>recessed/surface PVC conduit</b> with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3nos.5 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required.	Points	14.00		
3.0	Wiring for following. 6 pin 6/16 A Power plug point controlled by 1 No. 16A Switch with 3 x 4.0 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in recessed/surfacePVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 6 pin 16 A socket outlet controlled by 1 No. 16 A switch in zinc chromate passivated MS box, complete as per specification and as required.	Points	7.00		

4.0	Wiring for ceiling/wall fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed, PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch & 300W electronic regulator with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, inPVC conduit complete as per specifications and as required.	Points	11.00		
5.0	Wiring for exhaust fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, inPVC conduit complete as per specifications and as required.	NOs	4.00		
6.0	Wiring for 20A Single Phase metal clad socket outlet with 2 x 4 +1 x 2.5 sqmm PVC insulated FRLS multistrand copper wire of 1100 volt grade in surface / recessed PVC conduit pipe with accessories including supply and fixing 20A 3pin metal clad plug and socket and 20A SP MCB (MD) in IP 44 Poly carbonate box complete as per specification and as required.	Points	7.00		
7.0	Providing and fixing of following sizes of <b>PVC Flexible Conduits</b> suitable for various applications, halogen free, oil and petrol resistant, flame retardant, self extinguishing, high compressive strength and good wearing properties along with connectors complete with conduit gland & all accessories required.				
a)	25mm dia	RM	80.00		
8.0	Circuit Wiring with 3 x 2.5 + 1x 2.5 mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in <b>recessed/surface PVC conduit</b> with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting,complete as per specifications and as required.	RM	90.00		

9.0	Circuit Wiring with 3 x 4.00 + 1x 2.5 mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in <b>recessed/surface PVC conduit</b> with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting,complete as per specifications and as required.	RM	80.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( D )</b>	
<b>E)</b>	<b>TELEPHONE SYSTEM</b>				
1.0	Supply & fixing the following sizes of PVC conduit in recessed or on surface of wall . False ceiling including cutting the wall and making good the same as required.				
a)	25 mm dia	RM	70.00		
2.0	Supply and fixing of RJ11 modular Telephone outlet in Zinc chromate passivated M.S. Box and Modular Plate including cost of M.S.box, modular plate and connections etc as required.	Nos.	7.00		
3.0	Supply & fixing the following sizes of 16 SWG Krone telephone tag blocks housed in suitable sizes of powder coated MS boxes with hinge cover complete as required.				
b)	10 pair telephone tag block	Nos.	1.00		
4.0	Supplying & laying the following sizes of PVC insulated and overall sheathed taped telephone cables of 0.51mm dia size inPVC conduit recessed in wall or on surface of wall including cutting the chases in making good the same and connection etc. complete as required. (From TTB on Ground Floor to Upper Floor)				
a)	2 pair telephone wire	RM	260.00		
b)	20 Pair telephone cable	RM	30.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( E )</b>	
<b>F)</b>	<b>COMPUTER DATA NETWORKING</b>				
1.0	Supply & fixing the following size of PVC conduit in Floor/Surface of wall, including cutting the Floor/Wall and make the good the same as required <b>(For Switcher to Data point.)</b>				
a)	25 mm dia	Mtrs	80.00		
2.0	Supply and fixing flush steel box for computer data outlet dully recessed in wall complete computer outlet RJ 45 including connect etc. required.	Nos.	24.00		
3.0	Supply and drawing of cat 6 Data cable in existing conduit with suitable clamp and saddles and other accessories required making connection on both the ends.	Mtrs	500.00		
4.0	12U Rack ( D Link)	Nos.	1.00		
5.0	24port Switch ( D Link)	Nos.	1.00		

	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>(F)</b>	
<b>G)</b>	<b>SUPPLY &amp; INSTALLATION FANS FIXTURES &amp; LIGHTS</b>				
1.0	Supply & installation , testing & commissioning of wall Mounted Fan 450 mm Sweep. complete with all accessories such as blades, canopy etc.Connection with 3 x 1.5 sq mm FRLS PVC insulated multistranded copper conductor wires from the socket outlet to the fan earthing etc. complete as required.(Wall Mounted Fans Bracket fans sweep 500 mm)	Nos.	8.00		
2.0	Supply & installation , testing & commissioning of 48" inch <b>ceiling Fan</b> complete with all accessories such as blades, canopy etc. including wiring the down rod with 3 x 1.5 sq mm FRLS PVC insulated multistranded copper conductor wires and earthing the fans etc. complete as required.	Nos.	3.00		
3.0	Supply & installation, testing & commissioning of 300 mm Exhaust fans on existing opening in wall including all fixing hardware, louvers, shutters etc. Connection with 3 x 1.5 Sqmm FRLS PVC insulated multistranded copper conductor wire from the socket outlet to the fan earthing etc. complete as required.	Nos.	3.00		
4.0	Supply and Installation of unpacking, assembling, testing, & commissioning of All type of Recessed / Surface mounted Lighting Fixtures (as approved by client/architect) including all fixing hardwares complete as required S/F of 600 x 600 LED recessed mounted (LED 36 Watt 6500 K in false ceiling)	Nos.	3.00		
5.0	Suppy and Installation of storing, unpacking, assembling, testing, & commissioning of All type of Recessed / Surface mounted Lighting Fixtures (as approved by client/architect) including all fixing hardwares complete as required ( LED Down Lighter 12 Watt-)	Nos.	40.00		
6.0	Suppy and Installation of storing, unpacking, assembling, testing, & commissioning of All type of Recessed / Surface mounted Lighting Fixtures (as approved by client/architect) including all fixing hardwares complete as required ( LED tube Light 20 watt )	Nos.	8.00		
7.0	Supply & Installation, storing, unpacking, assembling, Installation, testing, & commissioning of <b>LED STRIP Light</b> (as approved by client/architect) including all fixing hardwares complete as required (LED strip In Cove light with Driver)	Rmt	30.00		

8.0	Supply and Installation of storing, unpacking, assembling, testing, & commissioning Circle Ring Light (35W - 40W) 600 Diameter Bring in an element of innovation and design with Orbit rings of light in hall space White powder coated finish CRCA housing with extruded Aluminium lip. High efficiency LEDs with long life. Special translucent satin finish virgin PMMA diffuser, Luminaire system wattage. Specially designed driver. Wattage should be inclusive of LED and Driver losses. Model No- Orbit Ring LM230R (LM230R-621-xx57-XW) or Equivalent Make) Color Temperature 5000-6000K	Nos	2.00		
9.0	Supply and Installation of storing, unpacking, assembling, testing, & commissioning Linear recess / Surface mounted light LED Luminaire - 32W, 1200mm (l) x 50mm(w) x 100mm(h) with White powder coated finish CRCA housing with extruded aluminium lip. High efficiency LEDs with long life. Special translucent satin finish virgin PMMA diffuser, Luminaire system wattage. Complete assembly with LED, Driver and accessories pre wired upto terminal block. Wattage should be inclusive of LED and Driver losses. Lumen output should be as per LM 79 100 lm/watt . Total Harmonic Distortion (THD ) should be less than 10% and Colour Rendering Index (CRI) should be 80 and above. (Wipro - Axeon) Color Temperature 5000-6000K or Equivalent Make)	Nos	3.00		
10.0	SITC -Ceiling Profile Ligth Type TruGroove, Installation/mounting type Recessed, Color Temperature Tc (K) 4000 Housing (Material And Finish) 3/4" to 2" thick Extruded thick aluminum trim/Section and die-cast endplates, System Wattage 20W, Classifications (IP/IK) IP20, Cover (Glass/ PC) Poly carbonate, Electrical Class II,/ LED Lamps 240Nos/Mtr (LM26) 5 mtr roll with LED Driver lumens Including cost of 3/4" to 2" thick Aluminum Channel Accessories complete as required (Make IP Mac, Sanspa, Helius, )	Rmt	30.00		

11.0	75mm thk. LED Profile Light for ceiling :- Supply of LED based suspended continuous lengths of 2ft./3ft./ 4ft./ 8ft & L- connectors to make rectangular shape of 20' x 12' (±1'). Luminaire with a nominal system lumen output of 1200/ 2200/ 4400 lumens with Downward light and a minimum system efficacy of 120 lm/W. The luminaire shall have a color temperature of 4000/ 6500K and CRI ≥ 80. The LED driver shall be accessible without opening the LED compartment. The luminaire shall have roll on diffuser option. The driver access shall be from the backside of the luminaire. Dimensions :- 561/ 1122/ 2248 mm x 53 mm x 70 mm. The life shall be 50000 burning hours at L70B50. The luminaire driver shall have THD ≤ 10%, PF ≥ 0.95, internal surge protection of 3.5KV, operating voltage range of 140V - 270V. The luminaire shall have serviceability of Class B. The luminaire shall be IP20 compliant. The luminaire shall be supplied with adjustable suspension wires. The luminaire driver shall be of the same make/manufacturer as that of LED luminaires. Luminaire manufacturer must have In-house NABL accredited lab to conduct LM79, Type test as per IS10322 & the successful bidder shall submit the following reports before supply of material for approvals LM79 issued by NABL accredited lab, LM80 issued by LED manufacturer, Type Test Certificate for luminaire as issued by NABL accredited lab, RoHS compliance issued by LED luminaire manufacturer, BIS certificate for LED Luminaire & Driver. <b>Make: Philips, Wipro, Trilux, LT</b>	Rmt	10.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( G )</b>	
<b>H)</b>	<b>EARTHING</b>				
1.0	Earthing with copper plate electrode 600x600x3mm including accessories & providing masonry enclosure with MS cover plate having locking arrangmnt, watering pipe and excavation in soil 6 MTRS minimum, including salt and charcoalas required including P&F 8 Guaze SWG copper wirein recessor surface for earthing as per design & detail complete. Including Supplying, laying & terminating earth connection with 8 SWG Copper wire.	No.	2.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>( H )</b>	
<b>I)</b>	<b>FIRE FIGHTING WORK FOR BRANCH</b>				
1.0	Fire Alarm Panel 2 ZONE with Advanced Micro controller based, character LCD display. Zone wise Fire,open,short LED indicators, testing facility. Trickle & fast charging facility. Reset, alarm cancel, lamp test and control etc. Compatible with any make smoke and heat detectors. (Make Agni Surkhsha /Morley) Technical :: Power Supply 230 V AC , 50 Hz / 24 V DC, Operating Voltage 24 V DC, Normal Loop Voltage 23.20 V DC, E.O.L. 4K7	No.	1.00		

2.0	Supplying and laying of WIRE 2 CORE 1.5MM conductor non-armoured cable. (approve make: Polycab/Finolex/CCI)	Rmt	250.00		
3.0	Supplying, Installation, connection, testing & commissioning the following :				
i	Smoke Detector - Optical type low current draw, wide operating voltage 8 to 30 VDC, Bi-colour LED detector status indicator. Automatic drift compensation. Tested and approved to EN54 - 7:2000 (Amendment 1). Photoelectric Smoke Detector. (Make :-Apollo/ System Sensor / Edwards)	nos.	8.00		
ii	HEAT Detector - Optical type low current draw, wide operating voltage 8 to 30 VDC, Bi-colour LED detector status indicator. Automatic drift compensation. Tested and approved to EN54 - 7:2000 (Amendment 1). Photoelectric Smoke Detector (Make Apollo/ System Sensor / Edwards)	nos.	2.00		
	The LED of the above detectors should constantly blink when the system is ON and should constantly glow when actuated				
iii	Electronic Hooter . Hi-Intensive sound (80 to 100 db), Tested by ERTL as per IS:2189. Power I/P 100 V AC or 24 V DC. Sound O/P 100dB. Colour Red. Speaker 4 watt : (Make Agni Surkhsha/Morley )	nos.	2.00		
iv	Supply, Installation of Manual Call Point with hammer and chain. As per IS:2189. SS Chain , Hammer & blinking. Power I/P 24 V DC, MS Sheet, 750 gm., Dimensions (mm) 120 X 90 X 55. Colour - Red. (Make Agni Surkhsha/Morley )	nos.	2.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>(I)</b>	
<b>J)</b>	<b>SECURITY ALARM SYSTEM</b>				
1.0	Providing and fixing 4 Zone Control Burglar Alarm Panel.Battery backup with inbuilt charger.User password protection.Real time clock with 128 event history.LCD display current date and time with current status of all zone. Programmable hooter trigger dealy ( 0-07 min.). entered telephone Nos. and message check facility. Hooter time 0 to 07 min.Enough inside space for SMF battery ( Including SMF battery) ( Make-Electro group)	nos.	1.00		
2.0	Providing and fixing panic switch for emergency alarm complete	nos.	4.00		
3.0	Providing and fixing Motion sensor and magnate for Strong room Door complete	nos.	1.00		
4.0	providing and fixing Electronic Hooter 110 DB Hooter Security Loud Sound complete.	nos.	2.00		
5.0	Supplying of WIRE 2 CORE 1.5MM conductor non-armoured cable.	Rmt	180.00		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>			<b>(J)</b>	
<b>K)</b>	<b>CCTV CAMERA SYSTEM</b>				

1.0	Supply , Installation , Testing and Commissioning of 16 Channel DVR ( 8 Bullet Cameras+8 Dome Cameras support ) 4MP Lite with Audio Recording Support (All Ch's), H.265Pro+ DVR, Support The 3rd Party Cloud Storage, 1 SATA (each 6 TB Capacity), Video bit rate (32 Kbps to 6 Mbps), Plastic, Support HDTVI/AHD/CVI/CVBS/IP video input. DVR Have VGA & HDMI Output, Supports Co-axial Audio, One LAN/Network RJ45 Port and 2 USB Port. including Adapter, Mouse, connection Cable, Accessories, power supply (Hard Disk not included). (approved make:Hik vision, CP plus)	nos.	1.00		
2.0	Supply , Installation , Testing and Commissioning of 6TB Surveillance Hard Disk including connection with DVR.	nos.	1.00		
3.0	Supply & installation, testing & commissioning of new 5 MP Indoor Dome CCTV Camera with inbuilt Audio Mic DS-2CE76H0T-ITPFS BNC/DC, White Wired, 1080P Image Sensor.5MP Built-in Mic Camera (Day/Night Vision), Frame Rate 5MP@20fps, 4MP@30fps), Resolution 2560×1944, EXIR- IR Range Up to 30m, DC 12V (3.7W Max), Lens opt (2.8, 3.6mm), Switchable (TVI/AHD/CVI/CVBS ), Plastic, D-WDR, 2D-DNR, Motion Detection, IP67 Water and Dust Proof (Operating Conditions -40 °C to 60 °C), Day/Night Mode Auto/Color/BW (Black and White), AE (Auto Exposure) Mode -DWDR /BLC/HLC/Global. (approved make:Hik vision, CP plus)	nos.	8.00		
4.0	Supply & installation, testing & commissioning of new CCTV 1080 FULL HD Bullet 5MP Outdoor Dual Light + Audio MIC + Motion Alert Wired CCTV Camera.High quality imaging with 3K, 2960 × 1665 resolution, 3.6 mm fixed focal lens,Up to 25 meters IR distance for bright night imaging , p to 20 m white light distance for bright night imaging, Water and dust resistant (IP67), High quality audio with audio over coaxial cable, built-in mic, Day & NightICR complete all respect. (approved make:Hik vision, CP plus)	nos.	4.00		
5.0	Supplying and laying of 3+1 Coaxial Pure Copper CCTV Camera Cable conductor non-armoured cable.Including required accessories (approve make: Polycab / Finolex )	Rmt	290.00		
				<b>( K )</b>	

**BOQ OF AIR-CONDITIONING WORK FOR PUNJAB & SIND BANK MODEL BRANCH AT MODERN SHAHADRA,  
NEW DELHI.**

<b><u>AIR CONDITIONING WORKS</u></b>					
<b>S. No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE (Rs.)</b>	<b>AMOUNT(Rs.)</b>
	<b>INSTALLATION OF SPLIT/WINDOW AC's AND ARRANGEMENT OF AC DRAIN PIPES WITH PROPER DRAINAGE</b>				
1.0	Making arrangements for Supplying and Installation of New 5.00 star Inverter AC indoor/outdoor machine with proper drainage can be planned out for the AC's including Cu wiring (The work includes cost of AC's and installation of AC's with proper layout of drainage done through cutting and chasing of the walls and then plastering and colouring the walls with the approved colour and shade).				
a	Split AC 1.00 Ton	Nos.	2.0		
b	Split AC 1.5 Ton	Nos.	2.0		
c	Split AC 2.00 Ton	Nos.	3.0		
2.0	Providing and Laying Copper Piping/Cabling for split air-conditioning proper layout of copper piping/drainage done through cutting and chasing of the walls and then plastering and colouring the walls with the approved colour and shade).complete with all respects.	Rmt.	110.0		
3.0	3 step stabilizers for A.C.Make Blue Bird/Logicstar	Nos.	7.0		
4.0	25 mm dia cpvc pipe for drainage of spilt ac.	Mt	70.0		
5.0	Steel work welded in built up sections / framed work, including cutting, hoisting, fixing in postion and applying a priming coat of approved steel primer using AC outdoor unit Cageing.	Kg	140.0		
	<b>Make :- Blue Star/Hitachi/Daikin (5.00 Star Inverter AC)</b>				
	<b>TOTAL OF AIR-CONDITIONING WORK</b>				