

**TENDER FOR FURNISHING & ELECTRICAL WORK , DATA CABLING, FIRE ALARM WORK
FOR PUNJAB & SIND BANK AT JHUNIR.**

Sno.	Description	DETAIL
1.00	INTERIOR FURNISHING WORK	
2.00	ELECTRICAL AND DATA CABLING WORK	
3.00	FIRE ALARM SYSTEM	
	Grand Total	

Rupees:-

Signature & seal of Contractors

TENDER FOR INTERIOR FURNISHING WORK OF PUNJAB & SIND BANK, AT JHUNIR					
Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
	Section A : Furnishing Work				
1	FALSE CEILING (ARMSTRONG GRID) (Make Armstrong/ Saint Gobin) :Providing and fixing in true horizontal level False ceiling grid system as per the approved makes. The suspension system shall be the Armstrong Trulok Silhouette revealed profile grid system with 15mm wide flanges incorporating a 3mm or 6mm central recess color, black or white revealed. Silhouette main runners and cross tees to have mitered ends with “birds mouth “ notches to provide mitered cruciform junctions.Main runners to be spaced at 120mm c/c fixed by using 2mm pre-straightened GI wire. Main tee, rotary stitched at every 1200mm c/c maximum and 1200mm cross tee at every 600mm c/c maximum and 600mm cross tee at every 1200mm c/c maximum and wall angle all-round the wall to form grid size of 600mm x 600mm and suspending the grid using 2mm prestraightened GI wire and 6mm nylon rawl plug at every 1200mm intervals at the main tee and laying of premier mineral fiber tiles manufactured by Armstrong World Industries of size 600mm x 600mm x 15mm over the formed grid etc., complete as per manufacturer's specifications.	37.00	Sq.mt		
2	FALSE CEILING (GYPSUM CEILING) (Makes-GYPSUM INDIA, LAFAARZ., ST. GOBAIN) : Providing and fixing 10 mm thick gypsum false ceiling as per drawing. Rate shall be inclusive of providing and fixing Metal Frame Suspended Ceiling which includes INDIA GYPSUM (P) LTD-ULTRA METAL SERIES perimeter channel of size 0.50mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with the Perimeter of ceiling, Screw fix to brick/ block wall / Partitions with the help of nylon sleeves then Suspending INDIA GYPSUM (P) LTD-ULTRA METAL SERIES intermediate channel of size (0.80mm thick with two equal flanges each 15mm) from the soffit at 900mm Centres with ceiling angle (0.50mm x 10mm x 25mm) fixed to soffit with the help of soffit cleat and Rawl Plug then a INDIA GYPSUM (P) LTD-ULTRA METAL SERIES Ceiling Section 0.50mm thick having web of 80mm and two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel and direction perpendicular to the intermediate channel at 457mm C /c. Single layer of 12mm thick Plaster board. (Strong Core and Strong Paper Bonding) is then screw to Ceiling Section with the help of 25mm Drywall Screw at 300mm interval.. Rate shall be inclusive of any vertical ceiling part, spot, tube light, fans, AC grills, fire and security systems cutouts with framing, and finishing with necessary jointing compound and 2 coats of plastic emulsion white paint over a coat of primer. Manufacturer's guidelines to be followed strictly.	52.10	Sq.mt		
Wall paneling and Partitions – Finished with laminate – Colour code – Archidiam Make Green-Bright Green 11036, Yellow-Yellow 11077 and High Line Pine 15001/18208) Century Make Code(Green- Lawn Green 284, Yellow- Yellow 203 and High Line Pine-Hiland Pine 531) Greenlam Make Code (Green-Grass Green 250, Yellow- Yellow 229 and High line Pine- 682)					
3	FULL HEIGHT PARTITIONS				
3.1	Providing and fixing wooden full height partition with following specifications:	13.20	Sq.Mtr		

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Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
	:(a) Supporting system comprising of Aluminum Frame Work of 50mm x 50mm x 1.5 mm wall thickness,(Make Jindal/ Hindalco/ Indal) square section max. 600mm c/c both horizontally and vertically. The bottom member shall be aluminum extruded section of size 50mm X 50mm X 1.5 mm wall thickness. The frame shall be fixed rigidly at floor level and ceiling level wherever possible. The rate should also include necessary strengthening with additional members at doors and other openings.				
	(b) Fixing 8mm HDHMR Ply (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking)(Make. GREENPLY/ Century / Duro/a Action Tesa)on both sides finished both side with 1.0 mm thk. laminate(Make- GREENLAM, CENTURY, ARCHID) (premium range) of approved shade with groove pattern as per architect instructions. Grooves to be 3mm deep and 12 wide finished with mica. 12 mm thick clear float toughened glass fixed with Teak wood beading of finished size 32mm x 19mm all along the edge. All edge-to-edge glass joint to be machine cut and polished and sealed with silicon sealant. Joint shall be located strictly as shown in the drawing. All exposed woodwork to be melamine polished (paid separately). All complete as per approval of the Architect/ engineer-in-charge.				
	Including cost of 50mm & 150 top strip at 7'-0" height (Yellow and Green Laminate Strip and per Dwg)and 100 mm skirting (Green Laminate Strip as per Dwg) with grooves as per drawing The item is to be finished complete in all respects				
3.2	FULL HEIGHT SOLID PARTITION Supporting system comprising of Aluminum Frame Work of 50mm x 50mm x 1.5 mm wall thickness,(Make Jindal/ Hindalco/ Indal) square section max. 600mm c/c both horizontally and vertically. The bottom member shall be aluminum extruded section of size 50mm X 50mm X 1.5 mm wall thickness. The frame shall be fixed rigidly at floor level and ceiling level wherever possible. Framing to be covered on both sides with 8mm HDHMR Ply (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking)(Make. GREENPLY/ Century / Duro/a Action Tesa) Finished with 1mm thick laminate (Make- GREENLAM, CENTURY, ARCHID) of approved shade and colour, necessary groove work, beadings, moulding and duly polished. There should also be a 50mm & 150 top strip at 7'-0" height (Yellow and Green Laminate Strip and per Dwg)and 100 mm skirting (Green Laminate Strip as per Dwg) with grooves as per drawing. The item is to be finished complete in all respects. The rate should also include necessary strengthening with additional members at doors and other openings.	12.73	Sq.mt		

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Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
3.3	FULL HEIGHT SOLID PARTITION - One side ACP & PAINTED on other side ACP cladded partition above Aluminium framework of 2" x 2" section. Framework to be covered with one side ACP sheet of (1.5 mm thk) Make (ALUCOBOND, ALSTONE, EUROBOND) and other side with gypsum of 12.5mm thickness (Makes-Gyproc (saint gobain)/ India Gypsum) finished with 3 coats of paint approved shade. Alternate members shall be extended to slab level for fastening/ anchorage. Measurement will be done till ceiling height for payment purpose.	5.90	Sq.m		
	Note Item no-3.1,3.2,and 3.3 (Tenderer should visit the site and check the actual floor height – Partition to be measured upto false ceiling height excluding door opening for Billing purpose)Vertical Aluminium members shall be fastened to the roof slab bottom.				
4	12MM THICK TOUGHENED GLASS PARTITION WITH ETCHING AS PER DESIGN. (Makes-MODI FLOAT. ST. GOBAIN, ASAHI)	10.66	Sq.Mtr		
	Providing and fixing in position 12mm clear float toughened Glass partition with patch fittings for the full height glass partitions as per the direction of the engineer-in-charge. The work to include making necessary template for all the glasses and then cutting the clear float glass to correct size, making all the necessary holes, cuts etc., then toughened the same.				
	The cost to include all hardware (PATCH FITTINGS etc) required of approved equivalent make (Make:-Godrej/Dorma/Ozone) etc. viz. single corner patch, top and bottom corner patch etc. or as per the direction of the engineer-in-charge, along with etching with sand blasting as per design and drawing. The maximum size of each glass shall be 1200mm to 2000mm x 2400mm to 2700mm as per the site requirement. The rate is for a finished item of work etc., complete as directed.				
	The cost to include the cost of beveling and smoothing of the exposed edges of the glass.				

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5	LOW HEIGHT PARTLY GLAZED PARTITION: Providing and fixing Supporting system comprising of Aluminum Frame Work of 50mm x 50mm x 1.5 mm wall thickness,(Make Jindal/ Hindalco/ Indal) square section max. 600mm c/c both horizontally and vertically. The bottom member shall be aluminum extruded section of size 50mm X 50mm X 1.5 mm wall thickness. Framing to be covered on both sides with 8mm HDHMR Ply (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking)(Make. GREENPLY/ Century / Duro/ Action Tesa)) Finished with 1mm thick laminate (Make- Sunmica/ Green lam/ Century/ Merino) upto a height of 1200 mm, Necessary groove work shall be done. Beadings & moulding shall be duly polished. Including cost of Above 900 mm level, glazing of 12mm thick toughened glass with etching as per approved design shall be provided. The item is to be finished in all respects. (Partition to be measured excluding Wicket door opening for Billing purpose).	4.50	Sq.mt		
6	CASH CABIN PARTITION Providing & fixing of CASH CABIN PARTITION Made of Aluminum Frame Work of 50mm x 50mm x 1.5 mm wall thickness,(Make Jindal/ Hindalco/ Indal) square section max. 600mm c/c both horizontally and vertically. The bottom member shall be aluminum extruded section of size 50mm X 50mm X 1.5 mm wall thickness. Framing to be covered on both side 8mm HDHMR Ply (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking)(Make. GREENPLY/ Century / Duro/Action Tesa) Finished with 1mm thick laminate (Make- GREENLAM, CENTURY, ARCHID) of shade as approved. The work includes providing a 150mm x 230mm voucher cut out with tray, spirit polishing of shade on woodwork and steam beach beading etc. There should also be a 50mm & 150 top strip at 7'-0" height (Yellow and Green Laminate Strip and per Dwg)and 100 mm skirting (Green Laminate Strip as per Dwg) with grooves as per drawing. Including doors but excluding cost of door closers Knight latch locks. Complete in all respects to the complete satisfaction of the Architect./Engineer.	5.80	Sq.mt		
7	12MM GLASS : Cash cabin front glass work of 12 mm thk Toughned glass (Makes-MODI FLOAT. ST. GOBAIN., ASahi) supported with necessary studs/ D-Breackets complete in all respect as per the drawing and instruction of Architect.	1.40	Sq.mt		
8	Night latch for cash cabin door (Make GODREJ, DORSET, DORMA, ASPA)	1.00	Nos.		
9	Hydraulic Door closer.(Make DORMA, DORSET, OZONE, GODREJ)	4.00	Nos.		

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Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
10	Providing & fixing 12MM Thick Toughned glass door with all sides edge polished to be fixed on patch fittings of Ozone or equivalent make. Cost of the door to be inclusive of pre-approved 450mm long SS H type handles to be fitted horizontally / vertically as per instructions & patch fitting(s) locks),,etc., all complete.All fittings shall be of approved Make DORMA, DORSET, OZONE	8.30	Sq.mt		
11	Floor spring (Make DORMA, DORSET, OZONE) heavy duty of approved make.	4.00	Sq.mt		
12	FLUSH DOOR : Providing and fixing in position 35 mm solid core flush door finished with 1mm thick laminate as per design on both sides & t.w. lipping on all edges nicely finished with polish, Including cost of 10mm thick vision panel glass (Size- 150mm(W)x450mm(H), fixing with teak wood beading finishing with Melamine Poilish. having Medium duty cylindrical lock (1 Nos) door stopper (1 Nos), brass hinges(4Nos) Tower Bolts (2 Nos) at suitable location.The item is to be finished in all respects.	6.12	Sq.mt		
13	Wicket door Providing and fixing in position 35 mm solid core flush door finished with both side 1mm thick laminate as per design and t.w. lipping on all the edges, The flap door shall have double action door hinges and (1Nos) tower bolt at suitable location.The item is to be finished in all respects.	0.00	Sq.M		
14	Providing and fixing 12 mm Glass 1'- 6" high on front side of officer / clerk counters complete as per drawing including glass support. Glass has to fixed as vertical partition in the front end of the counter (towards customer side) to restrict direct access of customer	1.30	Sq.mt		
15	Providing and fixing 12 mm Glass 1'- 0" wide on top side of officer / clerk counters complete as per drawing including glass support. Glass has to fixed as horizontally in the front end of the counter (towards customer side) to work as writing desk.	0.84	Sq.mt		

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Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
16	STORAGE UNIT : (a) Providing and fixing Low Height storage cabinets of size 4'-0"(High)x 1'-6"(Deep) along the walls/partitions, as per interior drawings,using 19mm Commercial Ply (Makes-Century/Green ply/Archid/Duro) for shutters, vertical and horizontal partitions, 6mm ply for the back.1.0 mm thick laminate (Make-GREENLAM, CENTURY, ARCHID) of approved shade on top, vertical and horizontal visible surfaces. The shutters shall be overlapping on the carcass and shall be provided with suitable hinges with autoclose & soft close. The width of the shutter shall be between 12" to 15" as per the site conditions. All the exposed edges of the ply shall be provided with wooden lipping 19mm x 3mm,duly Including melamine polished in desired shade.The inner surface shall be provided with 0.8mm thick laminate(Make- Sunmica/ Green lam/ Century/ Merino) of desired shade, design and gloss. The cabinet shall be complete with handles, knobs, locks and magnet catchers (Makes- Godrej/ Dorset/ Dorma) etc.to the satisfaction of the Architect/Engineer.	13.30	Sq.mt		
17	SHUTTERS BELOW PANTRY COUNTERS Providing and fixing Below Granite Counter Storage cabinets of size 2'-6"(High) along the Pantry walls, as per interior drawings,using 19mm Commercial Ply (Makes-Century/Green ply/Archid) for shutters, vertical and horizontal partitions, 6mm ply for the back. 1 mm thick laminate (Make- Archidiam/Century/Greenlam) of approved shade on top, vertical and horizontal visible surfaces. The shutters shall be overlapping on the carcass and shall be provided with suitable hinges with autoclose & soft close. The width of the shutter shall be between 12" to 15" as per the site conditions. All the exposed edges of the ply shall be provided with wooden lipping 19mm x 3mm,duly Including PU Polished in desired shade.The inner surface shall be provided with 0.8mm thick laminate(Make- Archidiam/Century/Greenlam) of desired shade, design and gloss. The cabinet shall be complete with handles, knobs, locks and magnet catchers (Makes- Godrej/ Dorset/ Dorma) etc.to the satisfaction of the Architect/Engineer.	2.10	Sq.Mtr		
18	SIDE UNIT: Made of 19mm thick commercial ply (Makes-Century/Green ply/Archid/Duro) frame and 6mm thick commercial ply on back side & 1.0mm thick Laminate (Make-GREENLAM, CENTURY, ARCHID) on top horizontal surface , one vertical visible side only, with C.P teak wood lipping on all edges including bottom touching floor. The credenza will have drawer compartment 1'-6" wide outer to outer, containing Two drawers Horizontal running on side mounting drawer slides(channels) (Makes-Hettich / Haffele/ Godrej/Ozone)of approved make. The sides of the drawer shall be made of 12mm thick Commercial Ply (Makes-Century/Green ply/Archid) (bottom of 6mm thick plywood & front of 19mm thick Commercial Ply.The remaining part of the credenza will have open cupboard with shutters and one shelf. All the internal surfaces shall be finished with 0.8mm thick mica of desired shade, design, gloss and Including the exposed wood shall be malamine polished in desired shade. (Size(3'-0"x1'-6"x2'-6"))	1.00	Nos		
19	TABLES				

TENDER FOR INTERIOR FURNISHING WORK OF PUNJAB & SIND BANK, AT JHUNIR					
Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
	(a) Providing and fixing at site, Manager/ Officer's tables made of 19mm th. commercial ply (Makes-Century/Green ply/Archid/Duro) with 1.0mm thick Laminate (Make- GREENLAM, CENTURY, ARCHID) of desired shade, design on outer visible surfaces; single color on horizontal & vertical surfaces. The front of the table top shall be projected and curved as per drawing. Provision for 3" dia cable manager for computer / electrical cables at appropriate place, will be made in the top surface of the table. CP TEAK wood lipping will be provided on all the edges of the table, including melamine Polish and bottom touching the floor and the drawers.				
	(b) The counter shall have a wooden keyboard rest of size 600mm x 270mm made with 19mm commercial ply fixed with sliding telescopic channels (Makes-Ebco / Haffele/ Godrej/Ozone).				
	(c) 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-Ebco / Haffele/ Godrej/Ozone) of approved make & one cupboard with shutter beneath the drawer, made of 19mm thick commercial ply finished with 1.0mm thick Laminate (Make- Sunmica/ Green lam/ Century/ Merino) of desired shade & design. All fitting / accessory shall be of approved make. The sides of the drawer shall be made of 12mm thick plywood, bottom of 6mm thick Commercial ply front of 19mm thick Commercial Ply. (Makes-Century/Green ply/Archid)				
	(d) The work shall also include provision of foot rest made with Sal wooden member of section 3" x 1.5" across the leg space.				
	(e) All other surfaces i.e. inside / legsapce of table, inside of drawer /cupboard shall be provided with 0.8mm thick laminate (Make- Sunmica/ Green lam/ Century/ Merino) of desired shade/design and gloss, and wood lipping / beading including Melamine polished. The table shall have a CPU ledge made of 19mm thick Commercial Ply on one side, complete as per drawing.				
19.1	Running Table for Cash.(2'-6" depth)	1.50	Rmt.		
19.2	Loan officer Table (5'-0"x2'-6"x2'-6")	1.00	Nos		
19.3	Officer Table (4'-6"x2'-6"x2'-6")	2.00	Nos		
19.4	Manager Table (6'-0"x3'-0"x2'-6")	1.00	Nos.		
20	PIN-UP BOARDS : Supplying and fixing pin-up boards fabricated out of 12 mm Commercial ply covered with 12mm soft board padding and upholstered with poly propylene fabric @ Rs. 150/- per meter edges of soft board should have t.w. moulding duly spirit polished. One pin up board of 4'x 3' in Bank's color and other pin up board of 2'-6" x 5'-0" with blue color cloth near the cash cabin.	2.30	Sq.mt		
21	SUGGESTION BOX (450 x 600 x 200) : Providing and fixing suggestion box made out of 19mm Commercial ply and finished with 1mm laminate and enamel painted on the inside. A 300 mm long slit is to be made in the front for letters, etc. The work should be completed in all respects.	1.00	Nos.		

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Sl. No.	Description of Item	Qty.	Unit	Rates	Amount
22	WRITING LEDGE - P/F Writing ledge made 19mm thick Commercial ply of size 900 mm x 300 mm x 200 height finished with 1 mm thick mica with a provision of 4 nos divisions for voucher and 12 mm glass on top	1.00	No		
23	CHEQUE DROP BOX - P/F one cheque drop box made out of 12 mm thick Commercial Ply finishing with 1mm thick laminated with all hardware fitting and fixtures. Size 400 x 300 x 100 mm	1.00	No		
24	WALL PANELING : Providing and fixing of paneling on column/wall. Framing shall consist of Aluminium Box Sections 50mm x25 mm x1.5 mm wall thickness with maximum spacing @ 600mm c/c both ways horizontally and vertically on the column/wall. This framing would be covered by 8mm HDHMR Ply (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking)(Make. GREENPLY/ Century / Duro/ Action Tesa) finished with 1.0 mm thk. laminate(Make- GREENLAM, CENTURY, ARCHID) of desired shade design and gloss of approved makes. Wooden molding, lipping etc.shall be provided wherever required as per drawing in desired shade. . The work shall also include the cost of making cutouts for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical/telephone/Data cabling etc. (Only for Full height Paneling also be a 50mm & 150 top strip at 7'-0" height (Yellow and Green Laminate Strip and per Dwg)and 100 mm skirting (Green Laminate Strip as per Dwg) with grooves as per drawing.	61.43	Sq.mt		
25	ACP WALL PANELLING Providing and fixing Aluminum Composite Panel (Makes- Aluco bond, ALU Décor,Alstrong, Alstone) as per the approved makes wall cladding with the 3mm thick PVDF coated aluminum composite panel (ACP) (0.25 mm coil thick) with frame of aluminum channels (25 x 50 x 1.5 mm), (Make Jindal/ Hindalco/ Indal)cleat angle (8 x 18 x 2mm) necessary hardware, backup material and weather sealant to make the joints leak proof. The spacing for the channel along the length and spacing of cleat on the perpendicular shall not be more than 600mm.	19.00	Sq.m		
26	WIRE MANAGERS : Providing and fixing in position PVC 75mm dia Wire Managers of approved make.	5.00	Nos.		

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27	Shutter BOXING:- Shutter boxing made out of 20 mm thick marine ply and covered with Aluminium Composite sheet of approved color and make Make (ALUCOBOND, ALSTONE, EUROBOND) with a provisioning of door for shutter repair and maintenance and also covering of shutter front chanells etc. MS frame of size 12.5 mm x 12.5 mm finished size with a provision of two nos 2x18 w concealed lights. Cost of lights to be paid separately	21.50	Sq.mt		
28	P/F Cupboard for main electric panel in the branch. Made out of 19 mm Commercial ply (Make- Duro, Century, Green, Archid) covered with 1mm thick laminated (Make-Greenlam, Century, Archid) outer surface and Inner surface finishing with enamel paint. Should have vents of proper shape and design, including the cost of door handles, catchers and locking arrangement (Make-Ebco, Everite, Sigma ,Hettich, Nikon).	4.80	Sq.mt		
29	Bank's Signage Logo as Per Dwgs				
a	Providing and fixing of box type bank,s logo of size 2'-0"x2'-6" (as per specified proportions) made out of 4 mm thick acrylic sheet in red color. The logo shall be fixed with LED lighting.	1.00	Nos		
b	PVC hologram of the bank / Letters fixed on the back wall/ Paneling of made out of 4 mm thick acrylic sheet in red color. The logo shall be fixed with LED lighting. Written on Hindi/English and Punjabi language, Size-150mmx150mm	1.00	JOB		
30	TABLE TOP GLASS :- Providing and supplying 8 mm thick light clear float toughned glass with its edges duly bevelled & grinded on all sides	1.70	Sq.Mtrs		
31	Glass shelves				
a	Providing and fixing 300x450 mm wide and 10 mm thick Toughened glass shelves for momentos in Branch manager cabin fixed with ss brackets. Size of each shelve. 300mm x 450mm x 10mm	6.00	Nos		
32	TRAP DOORS WITH LAMINATE FINISH (Size 3'-0"x3'-0")				
	Providing and fixing Trap doors of above mentioned sizes consisting of 12mm thk. BWR ply shutters. The pair of shutters shall be with MILKY WHITE 1 mm laminate on both sides fitted in frame of 2" x 1 ½" Sal wood sections finished with enamel paint to match with the ceiling. The frame need to be supported from the ceiling as per directions of Bank/ Architect. Rate shall be inclusive of necessary fittings like hinges (Heavy Duty type), tower bolts, locks, etc.	9.00	Sq.ft		
33	Providing and fixing of 150mm dia PVC Hanging pipe for UPS Exhaust Rate shall be inclusive of all necessary fittings all materials, labour etc complete in all respect as per drawings/specifications and as directed.	1.00	LS		
A	TOTAL AMOUNT FOR FURNISHING WORKS IN RS.		TOTAL		

Rupees :-

TENDER FOR ELECTRICAL INSTALLATION WORKS OF PUNJAB AND SIND BANK, BRANCH AT JHUNIR.

SN.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
	PART- A				
	UPS & RAW POWER POINTS				
1	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X2.5 Sqmm Cu.PVC sheathed white color Wire pulled through already laid floor raceways/ Conduit pipe and taken upto table top using PVC rigid or flexible conduits run within wooden / metal partitions Each point consisting of 3 nos of 2/3 pin sockets & 1 no of 15A Switch , wired together forming one point . The earth wire to be of green color only (On UPS Power) (Make of switch/ socket L&T/LEGRAND/ HAVELLS)(Make of Wire-Havells/ polycab / pyemen)	11	Each		
1.1	As per item 1 above but with 1 no. 15 amp 3/5 pin modular socket controlled by 1 no. 15 amp modular switch with indicator.(On Raw point for general supply and for printer/ heater) (Make of switch/ socket L&T/LEGRAND/ HAVELLS)(Make of cable- Ecko / havells/ polycab / skyline/ pyemen)	3	Each		
1.2	As per item 1 above but with 2 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp modular switch.(For E-lobby UPS and data points are to be provided in lock and key arrangement))	3	Each		
2	CONTROL AND DISTRIBUTION PANELS				
a	Providing and fixing 3 no. 100 Amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of Bakelite sheet of thickness not less than 6mm etc. complete as reqd.	1	Each		
3	PANELS				
	Supply, installation, testing & commissioning of wall mounted cubical type Power/Control electrical panel fabricated with 16/18 S.W.G. CRC sheet. Having individual compactors for Each switchgears. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth buss bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. the panel shall be painted with 2 coats of enamel paint(gray shade) over the primer and shall have be provided with designation of incoming and outgoing feeder as per details below:-				
3.1	Main Panel as per details below specifications:-	1	set		
i	Incomer: 125 amp 4 pole MCCB breaking capacity 25KA DN SERIES, L&T Make (Makes Standard/ IndoAsian/ Havells/ HPL/ L&T)				
ii	Outgoing:- 2 Nos 63 amp TPN MCB (For Light and UPS Supply) and 2 Nos 100 AMP TPN MCB (For AC and Raw Power Supply)				
iii	1 No 100A, 4P Cubical Front Oprater Changeover Switch complete as required				
iv	1no. 0-500V Digital multimeter in a separate compartment & Digital Ammeter and one set of CTs (3no.) with CT ratio125/5 A with LED type indication lamps (4 nos) with protection fuses in separate compartment				
v	1 set of 160 amp TPN strips aluminium bus bar with insluation heat spinkler sleeves of Sixe 32mmx6mm etc complete with fitting to be followed strictly				
4.2	MCB's				
a	Supply & fixing variable amperage MCBs of approved make from 6 A to 32 Amp SP	30	Nos		
b	Supply & fixing variable amperage MCBs of approved make from 6 A to 32 Amp DP	10	Nos		
c	8 way SPMCBDB double door comprising of 1 no. 63 amp DP isolator and 6 no. 6/16amp MCBs etc. complete as reqd. (For ATM UPS Supply)	1	Nos		
d	6 way SPMCBDB double door comprising of 1 no. 63 amp DP isolator and 4 no. 6/10amp MCBs etc. complete as reqd.	1	Nos		

5	Supply, installation, testing & commissioning of PVC insulated PVC sheathed Un armored cable of 1100 V (IS-1554 part 1) and fixing of cable on wall with suitable size of clamps/saddles or laid in floor /recess wall including cutting of floor/wall and making good the damages etc. complete as reqd. of following sizes:- (Make- Ecko / havells/ polycab / skyline/ pyemen)				
a	3.5 core x 35 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (From Main Panel to Kitkat, from kitkat to Changeover)	25	R.Mtr.		
b	3.5 core x 25 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (From panel to UPS panel and Changeover to Generator panel)	50	R.Mtr.		
c	P&F of 4X6mm copper insulated wire from (Main DB to ATM DB and from UPS to ATM)	40	R.Mtr.		
6	UPS DISTRIBUTION BOARD				
6.a	Providing and fixing 16 S.W.G. MS sheet adapter box, and also base frame for installation of MCB DBs plug and socket arrangement and to cover cables in system room including painting etc. complete	1	Sq. mtr.		
7	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. as per details below :-				
	(a) 4 way SPN DB comprising of 1 no.63 amp TPN MCB (for UPS input) (L&T/LEGRAND) Branch & ATM	2	Each		
	(b) 4 way SPN DB comprising of 2 no. 63 amp DPMCB (UPS out put) (L&T/LEGRAND) Branch and ATM	2	Each		
8	supply fixing, testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB (Make- M.D.S /standard/ indo Asian/ havells / HPL)				
	(a) 20/25 amp with 20/25 amp SPMCB (Ups Output etc.)	2	Each		
	(b) 30 amp with 63 amp TPNMCB (For UPS Input)	3	Each		
9	providing and laying following sizes of PVC insulated copper conductor cable of 1100V in flexible/PVC conduit with accessories such as glands, bends etc. (as per requirement) including making necessary inter connection etc complete as reqd.				
	a) 2X6 sq.mm with 1 suitable PVC insulated earth wire	20	R.Mtr.		
10	Providing and fixing suitable size of MS box fabricated with 16 S.W.G. MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing 5mm Bakelite sheet on base connector strip and painting of box etc complete as reqd	1	job		
11	EARTHING				
	(a) supply and fix copper plate earth station with 600x600x3 mm thick copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987. The voltage between neutral & earth must be below 1 volt.	1	set		
	(b) supply and fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987.	2	set		
	c) Supplying, fixing & termination of 20x3mm copper strip with earth station below ground level etc complete as reqd.	3.00	R.Mtr.		
	d) Supplying, fixing & termination of 32x6mm G.I. strip with earth station below ground level and on wall saddle etc complete as reqd.	6.00	R.Mtr.		
12	Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	30	R.Mtr.		
13	Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.	30	R.Mtr.		

14	Supply & laying 2mm thick 25 mm dia ISI mark PVC conduit pipe complete with accessories such as bends, junction boxes etc under floor or in recessed walls from copper earth electrode to UPS room for computer dedicated earthing, from GI earth electrode to main panel & UPS panel etc. wherever reqd. Note: flexible pipe not to be used any where.	60	R.Mtr.		
	COMMUNICATION				
15	Networking for computer networking starting from mounting rack with UTP CAT-6 cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd. (Make LUCENT /HCL /IBM/ AMP/ KRONE/DLINK/ MOLEX Note: flexible pipe not to be used any where.	11	Each		
16	Supply,Installation, testing and commissioning of mounted rack 15" height made of powder coated MS sheet	1	Each		
17	supply, installation, testing and commissioning of factory made patch cable CAT-6 complete with 2 no. connectors etc. complete as reqd.Makes LUCENT /HCL /IBM/ AMP/ KRONE/DLINK/ MOLEX				
	(a) 1 mtr. long	13	Each		
	(b) 2 mtr. long	11	Each		
19	wiring for telephone points with 0.5 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2mm thick 25mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. Makes Delta/ finolex / polycab) Note: flexible pipe not to be used any where.	6	Each		
20	Supply & fixing of 30 pair FRP/PVC/Metal junction box with KRONE disconnection module necessary tag for identification (Make-finolex/delton/polycab)	1	Each		
21	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular socket,modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.. (Makes-Finolex / polycab / havells / skyline / pyemen) Including Wiring circuit/submain wiring along with earth wire with the following size of PVC single core FRLS copper conductor wire in 2mm thickness PVC pipe as required: 2x2.5 sq mm + 1x1.5 sq mm earth wire (Makes-Finolex / polycab / havells / skyline / pyemen)				
a	One light point controlled bye one switch	34	Each		
b	Two light point controlled by one switch	22	Each		
c	One plug point (Anchor /Crabtree / North-West / REO)	10	Each		
d	One switch controlled by one socket (independent for wall fan)	11	Each		
e	Supplying and fixing of 1 No.15 amp flush type 5 pin socket and 1 No. 16 amps switch cover plate, 5 sided G.I. Boxes for housing switches and sockets and earthing complete as required (for Power Point) GI Boxes to have earth pin for body earthing makes (Anchor /Crabtree / North-West / REO)Including the cost of wiring 2x2.5+1x1.5 FRLS. PVC insulated copper conductor single core cable etc as required.(Makes-Finolex / polycab / havells / skyline / pyemen)	4	Each		
22	Wiring for AC power point with 3 x 4.0 sq mm PVC insulated multi stranded copper conductor wire in recessed/surface PVC conduit below / above false ceiling with 25 AMP. SP MCB & socket unit modular type with matching screw less plate & GI box complete with all accessories as required. (one point per circuit)	7	Nos		
23	Supply,installation, testing and commissioning of refrigeration pipe including cutting of wall and fixing with suitable saddles or clamps, providing suitable size of sleeves for passing refrigerant pipe from indoor to outdoor unit including making necessary arrangement etc. complete as required. (Makes- Mandev/ Total Line/ Rajco)				

	a) For High Wall A.C. (1.0 & 1.5 Tr) size (1/2" & 1/4")	Copper pipe	50	R.Mtr		
25	Supply & fixing of hard pipe for drain complete with all accessories such as tee, bend cutting chases making good the damages and leak proof joints to avoid seepage in wall/floor etc. complete as required.					
a	25 mm dia		45	R.mtr		
26	Cutting of floor/wall for laying of refrigerant/drain pipe including making good the damages etc. complete as required (excluding the area having ceramic floor tiles, where the chased floor will be got repaired by the firm executing the A.C. work, however, ceramic tiles will be got fixed by the Bank.		60	R.mtr		
27	Supply and laying of 3 core 2.5 sq mm FRLS copper flexible cable (for single phase HWS AC) Make: Finolex / Polycab / Havells / Pyemen / Ecko		60	R.mtr		
	TOTAL					
	PART- B					
SN.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT	
	SUPPLY OF FIXTURES					
1	SITC of 36 watt recess mounted LED Light panel suitable for 2' x 2' modular/gypsum ceiling with assembly complete with including making necessary frames & connections etc. Complete as reqd. (Philips/Wipro/ Bajaj)	13	Each			
2	SITC of 15 watt recess mounted LED down lighter with assembly complete with including making necessary connections etc. Complete as reqd. (Philips/Wipro/ Bajaj)	30	Each			
3	Supply and fixing of LED type fitting 20 watt, 4 feet (M/s Phillips or equivalent of Wipro/ bajaj)	13	Each			
4	Supply and installation of Metel body 12" size medium duty exhaust fan model Drift Air. and louvr (Make:Crompton High Breeze/ usha / Bajaj) (Necessary framing, wall cutting & finishing to be done by Contractor)	6	Each			
5	Shifiting,installation,Ceiling fan with regulator,hanging hook etc complete as reqd.with Extension rod	2	Each			
6	400 mm diameter Wall fan. Make:- (Usha/Crompton/Havells)	9	Each			
	Total - Part B					
	TOTAL PART-A					
	TOTAL PART-B					
i	SUB TOTAL					
	G.S.T as applicable will be paid extra by the bank					
	Rupess :-					

Signature and seal of Contractors

TENDER FOR FIRE ALARM SYSTEM AND PUBLIC ADDRESS WORKS OF PUNJAB AND SIND BANK,BO- JHUNIR.					
Sr No	ITEM DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
A	FIRE DETECTION SYSTEM				
1	Supplying, laying, testing and commissioning of 1100 volt Fire survival 1.50 sq mm x 2 core FRLS 7/53 mm armoured copper conductor and cable for 650 DEG C cable laid on Surface/ walls including the cost of saddling and clamping and including the cost of dressing etc. complete as per specifications. Make @ Havells, KEI & Polycab.				
a)	2C x 1.5 Sq mm	R.mtr	90		
2	Supplying, installation, testing & commissioning of Electric Optical Intelligent Multi Criteria Smoke Detector with built in LED and mounting base complete with all connections etc. as required. Make@ Honeywell, NOHMI & System Sensor, Agni	Nos	5		
3	Supply, installation, testing and commissioning of addressable type Rates cum rise type heat detectors with built in fault isolator on surface / false ceiling complete with base as required.	Nos	2		
4	Supplying, installation, testing & commissioning of Manual call boxes of ABS Type with assembly complete with glass and push button etc. as required (Intelligent Manual Call Point, For Fire Alarm System ; Color. Red ; Operating Temperature. -40 to 70 c ; Protocol Voltage. 5 - 13 V) . Make@ Honeywell , NOHMI , System Sensor	Nos	1		
5	Supplying, installation, testing & commissioning Multiple Intelligences response indicator on surface/recess ABS TYPE box having two LEDs ABS cover complete with all connections etc.as required. Make @ Honeywell, NOHMI & System Sensor	Nos.	2		
6	Supplying, installation, testing & commissioning Multipal fire alarm sounder with facility to make announcement, mounted in ABS type box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required. Make @ Honeywell, NOHMI & System Sensor	Nos	1		
	16 Zone Fire Panel - Supplying, installation, testing and commissioning main fire alarm panel, central processing unit with the following modules and capable of supporting complete as per specifications. Make @ Honeywell, NOHMI & System Sensor	Nos	1		
	Total of Fire Detection System				

Rupess :-

Signature and seal of Contractors