

HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)					
COST ESTIMATE / BILL OF QUANTITIES (ATM ELECTRICAL WORKS)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
VI	ATM ELECTRICAL WORKS				
A	LIGHT/FAN POINT WIRING				
1	Supply and run of 3Rx1.5 sq.mm. FR pvc multistrand Copper wire in suitable FRLS PVC conduit, having 6A modular switch on modular PVC/GI box for the following points				
2	Primary point	5	Pts		
3	Secondary point	3	Pts		
4	Exhaust fan point	0	Pts		
5	1 No. 6A socket controlled by single switch in switch board	2	Pts		
6	Supply and laying 2x2.5 1 x 2.5 sq.mm. PVC insulated copper for lighting circuit main.	25	Mtr		
7	Wiring for Name Board lighting circuit using 3R 4.0 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 20mm PVC conduit to be on wall complete with all accessories.	10	Mtr		
B	MAIN SUPPLY (PRIMARY DISTRIBUTION) MCB DB				
1	Supply, Installation, Testing and Commissioning of 4WAY VERTICAL TYPE TPN MCBDB Double door type, IP 42 powder coated comprising of "C" curve MCB's for ATM DB Incomer - 40 A 4P MCB - 01 No,Outgoing - (A)10 A SP MCB - 3 Nos.,20 A SP MCB - 3 Nos.,40 A DP MCB - 2 Nos.	1	Nos.		
C	CABLES				
	Supplying, laying, testing & commissioning of PVC / LT insulated 1.1KV grade armoured conductor cables of the following sizes, clamping on to the wall as per site condition.				
1	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	20	Mtrs.		
	TERMINATIONS				
	Terminating, Connecting and Commissioning of the above under Ground cables with compression type SIBG Cable glands.The cost of earthing gland with copper strips/wires shall also be included. The cables shall be terminated with aluminium lugs after crimpin				
2	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos.		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
D	RAW POWER SOCKETS, AC SOCKETS WITH WIRING				
1	Supply and run of 2 runs of 4.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multistrand FRLS wire from Main D.B. to split air – conditioners/ 16Amps Sockets in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	20	Mtrs.		
2	Supply and run of 2 runs of 4.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multistrand FRLS wire from Main D.B. to split air – conditioners in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	20	Mtrs.		
3	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multistrand FRLS wire from Main D.B. to 6Amps Sockets for Works station Points in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	25	Mtrs.		
4	Supply and fixing of 25 A switched socket with indicators in modular box For Split A/c control.	2	Nos.		
5	Supply and fixing of 16A switched socket with indicators in modular box For utility	2	Nos.		
6	Supply and fixing of 6A switched socket with indicators in modular box For work stations.	2	Nos.		
E	UPS WIRING & ACESSORIES				
1	Supply and fixing of 40 A 4P. MCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.		
2	Supply and fixing of 40 A Three phase selector switch with indicators in separate steel sheet enclosures and necessary	1	Nos.		
3	Supply and fixing of 25 Amp Automatic change over switch for connecting branch UPS and ATM UPS metal sheet enclosure with necessary Interconnections, cable box,brackets, screws,bolts,nuts,etc.	1	Nos.		
4	Supply and fixing of 40 A DPMCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.		
5	Supply & Laying of 2 runs of 6.0 Sqmm and single run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid PVC conduit from UPS output to UPS DB contol switch and to UPS DB.	10	Mtrs.		
6	Supply, erection, testing and commissioning of single phase 6 WAY, SPN MCBDB double door type, IP 42 powder coated for UPS and Emergency Lighting with (d-curve) 32A DP MCB – 1No as INCOMER 10A SP MCB – 4 Nos. as OUTGOING, Including all interconnections & accessories etc.,	1	Nos.		
7	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multistrand FRLS wire circuits from UPS. D.B. to required places (work stations) in P.V.C. conduit pipes including chasing in walls / floor wherever necessary	50	Mtrs.		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8	Supply,fixing, testing & commissioning of 3No. 6A. 2/3 multi pin socket outlet in UPS circuit controlled with 1No. 6A one way switch in a steel sheet enclosure with 8 module top plate including dummies and incidental materials etc., for work stations.	3	Nos.		
F	LIGHT FITTING SUPPLY & ERECTIONS				
1	Supply and fixing of 2' x 2'36 - W LED Fitting. CRCA fabricated enclosure with polycarbonate diffuser and illumination area minimum 380 mm suitable for Surface /recessed mounting POP/T Grid. Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling with necessary accessories required for the job.	1	Nos.		
2	Supply and fixing of 18W LED, square type down lighters. CRCA fabricated enclosure with polycarbonate diffuser and illumination area minimum 380 mm suitable for Surface /recessed mounting POP/T Grid, Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling 15W white square LED Down Lighter with necessary accessories required for the job.	4	Nos.		
3	4 feet 1 X 18 W LED tube light cool white 6000 K with integrated driver working range from 90 - 260 V AC , PF>0.9 Fitting with necessary accessories required for the job.(Locker,cash, record rm)	2	Nos.		
2	Supply and installation of 9" size medium duty exhaust fan. Almonard make	1	Nos.		
G	EARTHING				
1	Providing and fixing of chemical earth electrode made out of 50mm dia class-B Asahalock or equivalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcoal,salt foreign soil, water pouring arrangements brick masonry enclosure on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	2	Nos.		
2	Supplying,laying and connecting 1Rx6 sq.mm. FRLS pvc multistrand Copper wire in suitable FRLS PVC conduit, open fashion with necessary clamps, screws, etc. as earth link.	15	Mtrs.		
3	Supplying,laying and connecting 300mm.long 25 x 3 mm.Copper flat with SMC/ DMC Insulators in open fashion with necessary clamps, screws, etc. as earth link.	2	Nos.		
4	Supplying,laying,connecting 10SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	15	Mtrs.		
5	Supplying,laying,connecting 8SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	15	Mtrs.		
H	LAN WIRING				
1	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in walls / floors from hub to necessary stations.	50	Mtrs.		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
2	Supplying, fixing testing commissioning of RJ-45 data sockets in separate enclosure including all incidental materials etc., complete.	2	Nos.		
3	Supply and installation of 1 m long patch chord.(CAT 6)	2	Nos.		
4	Supply and installation of 2 m long patch chord. (CAT 6)	2	Nos.		
	TOTAL				

HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)					
COST ESTIMATE / BILL OF QUANTITIES (FURNISHING)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
II	BRANCH FURNISHING WORKS				
1	MANAGER TABLE				
	Fabricated out of 19mm plywood for all exposed sides, front and top ,and all sides finished with 1mm Laminate top.Inside part shutters and bottom of keyboard tray,drawers to be finished with approved shade of enamel paint only. All other surfaces to be finished with laminate. The table top will have a 10mm glass with edge machine polished for Manager Table. The table to be done as per drawing. The base of drawers shall be madeout of 6mm thk Ply,sides and back of 12mm thk ply and front made out of 18mm ply. It also provide with a key board tray made with 18mm Plywood and 1mm laminate on top and bottom.				
	All drawers will have Godrej multipurpose locks and 4" S.S handle of approvedmake. The drawers and key board tray shall run on sliding channels / efficient gadgets and all table tops shall have provision for wire managers of approved shade instructions given by the Architect at the time of execution. All exposed edges of ply to be finished with Teak wood mouldings of approved design and polish of approved shade /colour respectively.Legrest should also be provided as per Architect's design.				
	Mananger Table (size: 6'0" x 3'0" with 10MM thk glass top)	1.00	Nos		
2	RUNNING COUNTER				
	The Counter made of 19mm thk plywood with 1 drawer and 1 storage with shutter as per design provided by architect / Bank. front and top and all sides finished with 1mm Laminate top. Inside part shutters and bottom of keyboard tray,drawers to be finished with approved shade of enamel paint only. All other surfaces to be finished with laminate. The Counter top will have a 10mm glass with edge machine polished and 1.0mm thk lamination of which is to be used as per the drawing of approved make. The table drawers/shutters shall be provided with godrej locks, stainless steel handles approved by architect. Shutter is to be fitted with SS hinges of approved make to be provided for each clericals table.				
	Running Counter (with 10MM thk glass top)	13.50	Rft		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
3	CASH WORK STATION COUNTER				
	Cash with Laminate Finish Working top will be 2'-6"ht and customer top will be at 3' 9" including thickness of the Laminate top (1mmthk). One cash tray to be provided. Rest of the cash counter as per specifications and drawings attached in the tender and specification same as counter specification specified above. All clarifications to be taken before quoting the prices & no extra cost shall be entertained at the time of execution. The first drawer of the cash shall have dividers for keeping different coins and cash notes. The rate inclusive of supply and laying of 1mm thk Laminate for both the working top and customer top				
	Cash Counter	5.50	Rft		
4	STORAGE CUPBOARD				
	Providing and fixing Storage Unit made out of 19 mm block board (IS : 1659) for top, sides & 6 mm. for back finished with 1.0mm laminate. The openable shutters to be made out of 19 mm block board finished outside with 1.0 mm laminate (IS : 2046) with necessary lipping at front side. The cabinet will have shelves of clear ht. approx. 18". The shelves to be made of 19 mm. thk. block board. The necessary godrej multipurpose locks, 4" SS matt finished handles, auto closing hinges are to be provided. Inside of the unit to be synthetic enamel painted / polished in matching tone. For full ht storage, shutters to be divided into two parts vertically & file divider made out of 6mm thk ply to be provided. The work to be completed as per approval and specification of the architect.				
	Manager Side LHSC (Size: 4'0" x 1'6 x 2'6")	10.00	Sft		
	Manager Rear LHSC (Size: 9'0" x 1'6 x 2'6")	22.50	Sft		
	Cash Side LHSC (Size: 4'0" x 1'6 x 2'6")	10.00	Sft		
	Banking Hall FHSC (Size: 16'0" x 1'6 x 7'0")	112.00	Sft		
	Banking Hall FHSC (Size: 10'0" x 1'6 x 7'0")	105.00	Sft		
	Record Room FHSC (Size: 21'0" x 1'6 x 7'0")	147.00	Sft		
5	WRITING LEDGE WITH 12mm GLASS TOP				
	Fabricated out of 19mm ply for sides and back 6mm thk ply to be provided, all exposed areas to be finished with laminate 1.0mm thk of approved shade and make for both ledge and drop box. The same shall have provision for keeping brochure/slips. The entire work to be carried out as per tender drawings attached and no extra cost shall be provided in completing the same in all respect.	1.00	Nos		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
6	VERTICAL JUMBO NOTICE BOARD (44"x82")				
	Providing and fixing soft board/ notice board fabricated out of 12mm Marine ply (I.S.:710) covered with 12mm soft board padding and upholsply propylene fabric @80/ mtr. Edges of the soft board should have white beach / white ceader moulding with natural polished. NB : where pin up board is in a panelled area, the top of the pin up board should be flushed with the panel, kepping the same level. The work should be completed as per design specification & approval of the architect.	1.00	Nos		
7	MAIN PANEL ENCASEMENT				
	Providing and fixing Main Panel Encasement in position fabricated out of 19mm BWP block board with 1 mm laminate finished for top, both sides and front with necessary hardware including locks,hinges and handles. Encasement will be having powder coated aluminium louver and 6mm thk. Glass for seeing the indicator in both shutters.The exposed surface of 19mm block board will be finished with TW / white ceader lipping with natural polish and inside of the encasement shall be finished with polish / enamel paint. The item is to be completed in all respect as per design, specification and approval of the Architect.	16.00	sft		
8	ROLLING SHUTTER ENCASEMENT				
	Providing & fixing Rolling Shutters Encasement with 3mm thick (0.5mm + 2 mm + 0.5mm) ACP in approved colours all complete with approved aluminium sub structure,aluminium brackets, silicon sealants, gaskets, PVDF coating in approved colour etc. all complete including bird/ vermin proof closer at the bottom and flashing at top, complete as per instructions & drawings.	146.00	sft		
	TOTAL AMOUNT				

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FOR PUNJAB & SIND BANK (CHENNAI ZONE)**

COST ESTIMATE / BILL OF QUANTITIES (BRANCH ELECTRICAL)

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
III	BRANCH ELECTRICAL WORKS				
A	LIGHT/FAN POINT WIRING				
	Supply and run of 3Rx1.5 sq.mm. FR pvc multistrand Copper wire in suitable FRLS PVC conduit, having 6A modular switch on modular PVC/GI box for the following points				
1	Primary point	15	Pts		
2	Secondary point	15	Pts		
3	1 fan controlled by step type regulator with switch	5	Pts		
4	wall fan point including 5A socket with control switch	9	Pts		
5	Exhaust fan point	3	Pts		
6	1No. 6A socket controlled by single switch in switch board	10	Pts		
7	1No. Buzzer with bellswitch incl. wiring connections	1	Pts		
8	one light points Control By 2 Nos. 6Amps Two way Switch	1	Pts		
9	Supply and laying 2x2.5 x 2.5 sq.mm. PVC insulated copper for lighting circuit main.	130	Mtr		
B	MAIN SUPPLY (PRIMARY DISTRIBUTION) MCB DB, PANEL BOARD				
1	Panel Board				
	Supply, Erection, Testing and Commissioning of Indoor type MAIN PANEL, Wall / Floor mounting type, dust and vermin proof by construction of 14 SWG CRCA sheets Compartmentalised, modular type IP 42 Protection with powder coated panel as specification below.				
	Incomer:				
	1 No - 63A 4P 25kA MCCB				
	1 Set of Current transformer rated 125/5A, 10VA/CI 1.0 for metering.				
	1No - Digital Multi data Meter				
	1 Set - LED type RYB indication lamps with control fuses				
	Outgoing feeders				
	1Nos -40A TPN MCCB				
	3Nos -32A TPN MCCB				
	100A Aluminium Bus Bar and Associated Accessories as required.				
	All breaker should be rotary handle mechanism				
	Incoming and outgoing cables shall be of Top entry only.	1	No.		
	CHANGE OVER SWITCH FOR UPS & LIGHTING LOAD				
2	Supply and installation of 32 A 4PMCB in sheet steel enclosure on wall mounting angle iron frame work and including top & bottom cable boxes to receive incoming & outgoing cables.	1	Nos.		
3	Supply and installation of 40A 4P on-load changeover switch in sheet steel enclosure on wall mounting angle iron frame work and including top & bottom cable boxes to receive incoming & outgoing cables.	1	Nos.		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	Supply and fixing 4way TPN DB double door having 32A4p ELCB WITH 30mA-1 No. as incomer with 6A - 12Nos , SP MCBs with suitable rated cu. Bar connection including interconnection.& junction box as necessary Required job etc.(For Lighting Load)	1	Nos.		
5	Supply and fixing 4way TPN DB double door having 32A4p ELCB WITH 100mA-1 No. as incomer with ,25 A SP -4 No, 16A SP - 3 Nos, 10A,SP -5 Nos MCBs with suitable rated cu. Bar connection including interconnection.& junction box as necessary Required job etc.(For A/C & Power Load)	1	Nos.		
6	MAIN DB FOR UPS & LIGHTING LOAD				
	Supply, Installation, testing and commissioning of 4 way VDB TPN Distribution board with the following:- 1No -32A 4P MCCB as Incomer and Outgoings:- 3 Nos of 32A TP MCBs and 1 No of 32A TP MCBs with necessary insulated copper bus bars, Neutral Links, earth Links and interconnections with suitable PVC insulated copper conductor wires.	1	No.		
C	POWER CABLE & CONDUIT WIRING				
	Supplying, laying, testing & commissioning of PVC / LT insulated 1.1KV grade armoured conductor cables of the following sizes, clamping on to the wall as per site condition.				
1	4c x 35 Sq .mm Al. XLPE,Ar Cable	80	Mtrs		
2	4c x 16 Sq .mm Al. XLPE,Ar Cable	35	Mtrs		
3	4R X 4 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits (Lighting db)	25	Mtrs		
4	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	25	Mtrs		
5	3R X 6Sqmm. Copper Cable in a suitable PVC FRLS conduits (UPS OUTGOING)	25	Mtrs		
	END-TERMINATION				
	Terminating, Connecting and Commissioning of the above under Ground cables with compression type SIBG Cable glands.The cost of earthing gland with copper strips/wires shall also be included. The cables shall be terminated with aluminium lugs after crimpin				
1	4c x35 Sq .mm Al. XLPE,Ar Cable	2	Nos		
2	4c x16 Sq .mm Al. XLPE,Ar Cable	2	Nos		
3	4R X 4 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos		
4	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos		
5	3R X 6 Sqmm. Copper Cable in a suitable PVC FRLS conduits	4	Nos		
D	RAW POWER SOCKETS, AC SOCKETS WITH WIRING				

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply and run of 2 runs of 4.0 sq.mm. For phase, netural and 1 run of 2.5 sq.mm for earth PVC multristrand FRLS wire from Main D.B. to split air – conditioners/ 16Amps Sockets in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	200	Mtrs		
2	Supply and run of 2 runs of 6.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multristrand FRLS wire from Main D.B. to split air – conditioners in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	150	Mtrs		
3	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multristrand FRLS wire from Main D.B. to 6Amps Sockets for Works station Points in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	150	Mtrs		
4	Supply and fixing of 25 A switched socket with indicators in modular box For Split A/c control.	4	Nos		
5	Supply and fixing of 16A switched socket with indicators in modular box For utility	6	Nos		
6	Supply and fixing of 6A switched socket with indicators in modular box For work stations.	10	Nos		
E	UPS WIRING & ACESSORIES				
1	Supply and fixing of 32 A 4P. MCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos		
2	Supply and fixing of 32 A Three phase selector switch with indicators in separate steel sheet enclosures and necessary connections.	2	Nos		
3	Supply and fixing of 32 A DPMCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos		
4	Supply, erection, testing and commissioning of single phase 12WAY, SPN MCBDB double door type, IP 42 powder coated for UPS and Emergency Lighting with (d-curve) 32A DP MCB – 1No as INCOMER, 10A SP MCB – 6 Nos.,25ASP MCB - 1Nos as OUTGOING Including all interconnections & accessories etc.,	1	Nos		
5	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multristrand FRLS wire circuits from UPS. D.B. to required places (work stations) in P.V.C. conduit pipes including chasing in walls / floor wherever necessary	100	Mtrs		
6	Supply,fixing, testing & commissioning of 3No. 6A. 2/3 multi pin socket outlet in UPS circuit controlled with 1No. 6A one way switch in a steel sheet enclosure with 8 module top plate including dummies and incidental materials etc., for work stations.	5	Nos		
F	LIGHT FITTING SUPPLY & ERECTIONS				
	Notes: As per Site Conditions with necessary job etc.				

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply and fixing of 2' x 2' 36 - W LED Fitting. CRCA fabricated enclosure with polycarbonate diffuser and illumination area minimum 380 mm suitable for Surface /recessed mounting POP/T Grid. Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling with necessary accessories required for the job.	18	Nos		
2	Supply and fixing of 18W LED, square type down lighters. CRCA fabricated enclosure with polycarbonate diffuser and illumination area minimum 380 mm suitable for Surface /recessed mounting POP/T Grid, Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling 15W white square LED Down Lighter with necessary accessories required for the job.	18	Nos		
3	4 feet 1 X 18 W LED tube light cool white 6000 K with integrated driver working range from 90 - 260 V AC , PF>0.9 Fitting with necessary accessories required for the job.(Locker,cash, record rm)	8	Nos		
4	2 feet 1 X 10 W LED tube light cool white 6000 K with integrated driver working range from 90 - 260 V AC , >0.9 Fitting with necessary accessories required for the job.(Toilet & Mirror Light)	3	Nos		
5	Supplying, fixing and Commissioning of wall mounting fan. Make: Crompton greaves – SDX 120 model	9	Nos		
6	Supply and installation of 9" size medium duty exhaust fan. (Toilets) Almonard make	2	Nos		
7	Supply and installation of 12" size medium duty exhaust fan. (UPS Room) Almonard make	1	Nos		
8	Supply and fixing of 48" 1200/900mm ceiling fan high speed Crompton greaves make in anchor hook for mounting fan	4	Nos		
G	EARTHING				
1	Providing and fixing of chemical earth electrode made out of 50mm dia class-B Asahalock or equivalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcoal,salt foreign soil, water pouring arrangements brick masonry enclosure on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	2	Nos		
2	Supplying,laying and connecting 1Rx6 sq.mm. FRLS pvc multistrand Copper wire in suitable FRLS PVC conduit, open fashion with necessary clamps, screws, etc. as earth link.	40	Mtrs		
3	Supplying,laying and connecting 300mm.long 25 x 3 mm. Copper flat with SMC/ DMC Insulators in open fashion with necessary clamps, screws, etc. as earth link.	4	Nos		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	Supplying,laying,connecting 10SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	65	Mtrs		
5	Supplying,laying,connecting 8SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	60	Mtrs		
H	TELEVISION & TELEPHONE & LAN WIRING, MISC				
	TELEVISION WIRING				
1	Supply and fixing of RG 6 , television socket, 3 x 6A socket & 16 Amps switch outlet in modular box.	1	Nos		
2	Supply and run of RG 6 type CO - axial cable	40	Mtrs		
	TELEPHONE WIRING				
3	Supply and fixing of RJ 11, telephone socket, outlet in modular box.	7	Nos		
4	Supply and run of 2 pair telephone cable in suitable PVC conduit from telephone outlet	230	Mtrs		
	LAN WIRING				
5	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in walls / floors from hub to necessary stations.	200	Mtrs		
6	Supplying, fixing testing commissioning of RJ-45 data sockets in separate enclosure including all incidental materials etc., complete.	7	Nos		
7	Supply, fixing, testing & commissioning of 9U Hub Rack with Power Cord and accessories	1	Nos		
8	Supply, fixing, testing & commissioning of jack panel 24 Port..	1	Nos		
9	Supply, fixing, testing & commissioning of 24 port switch 10/100 Mbps including connections.	1	Nos		
10	Supply and installation of 1 m long patch chord.(CAT 6)	5	Nos		
11	Supply and installation of 2 m long patch chord. (CAT 6)	5	Nos		
	MISCELLIANEOUS				
13	Temporary for Lightpoints,Workstation wiring & Data Cable Laying With All Necessary Required job etc.	1	L/S		
14	Buyback old and unwanted materials. (to be deduct)*				
	TOTAL				

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COST ESTIMATE / BILL OF QUANTITIES (INTERIOR)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
I	BRANCH INTERIOR WORKS				
	Note: The contractor shall be paid for the partition area upto to the false ceiling bottom only and the rate shall be inclusive of frame work for the partition above false ceiling and upto RC ceiling level.				
1	FULL HEIGHT & HALF HEIGHT SOLID PARTITION				
	Providing Full height partitions of height 9'0" made of 2"x2" Aluminum frame work finished with vertically at every 600 mm c/c and horizontal frame at bottom, 3'0" level, 1'6" level and 10' 6".The frame work to be cladded on both sides with 6mm thick commercial plywood and finished with 1 mm thick decorative laminate. The partition to be provided with TW skirting of size 3" x ¾" on both sides and finished to desired wood effect by application of melamine polish after initial surface preparation.The rate also includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardwares. The work to be completed as per design and approval of the Architect.	415.00	Sft		
2	FULL HEIGHT PARTITION WITH PARTLY GLAZED FOR MANAGER CABIN:				
	The partion with 8mm thk. clear float glass with etching (as per design) shall be provided above 3'-0" from GFL upto 7'-0", embedded into partition with 1 1/4" thk white beach or white ceader wooden moulding with natural polish for both sides.1/2" X 3" high white beach wood skirting as per design should run along with the entire bottom length of partition on both sides with natural polish.(Rate to calculated upto False ceiling Ht. The rate also includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardwares. The work to be completed as per design and approval of the Architect.	220.75	Sft		
3	LOW HEIGHT PARTITION				
	Providing Half height partitions of height made of 2"x2" Aluminum frame work finished with vertically at every 600 mm c/c and horizontal frame at bottom, 3'0" level, 1'6" level and 10' 6"(Ht of the partition are at 5'0"Ht & 7'0"Ht Respectively). The frame work to be cladded on both sides with 6mm thick commercial plywood and finished with 1 mm thick decorative laminate. The partition with 8mm thk.clear float glass (as per design) shall be provided above 2'6" from GFL.The partition to be provided with TW skirting of size 3" x ¾" on both sides, and including Scaffolding and finished to desired wood effect by application of melamine polish after initial surface preparation.The rate also includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardware's	75.00	Sft		
4	CASH WORK STATION PARTITIONS				
	Providing and fixing of plyboard partion with 10mm thk.The Partion should contains 4'0" ht blocked partion from the floor and above 2'6"ht contains glass partion width of 5'0" remaining 0'6" contains plyboard partion.. Supply and fixng of 12mm thick toughened Glass in Front Counters . In glass all the edges moulded in bull nosing and it should be fitted with hard wood beading at both the ends to with stand the glass and the wooden surfaces finished with natural wood finish.Also the glass having a opening as mentoned in the drawing or size of 0'6" x 0'9".	75.00	Sft		
	The rates inclusive of all fittings and accessories,etc. complete.. The door attached to the partition will also have 8 mm toughned glass fixed as shown in the drawing with all accessories with brass finish and necessary hardwares. (including the Godrej make night latch and handles for doors) The entire work to be completed as per the instructions ans consultation of the Architect.The rate also includes supply,fabrication, fixing with all necessary accessories all with brass finish and other hardwares.				

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
5	CASH WORK STATION FRONT GLASS 12MM THICKNESS				
	Providing and fixing 12 mm thk x 1050 mm. high clear non-thoughtned glass finished with machine polished of all free edges above working top providing a semicircular hole of 150 mm. dia. for operation, the glass to be fixed to side partition using 35 x 10 mm. continuous polished wooden bead at both side of the glass, all complete as per design and drawing by our Architects Rate includes including edge polishing & etching.	18.50	Sft		
6	CASH CABIN TOP DECO GRILL				
	Providing and fixing in position of the top portion is to be covered by Deco grill as per approval of architect (7.5 mm thick 35mm x 25mm opening Deco grill (AL 101)) fixed with suitable corner beadings, rubber beadings and quality fixed with continuous steam beech / teak wood beads of approved shape (finished 35 x 25 mm) all round polished (in cash cabin)	44.00	Sft		
7	RUNNING COUNTER FRONT GLASS 12MM THICKNESS (S/W)				
	Supply and fixng of 12mm thick toughened Semi arched Glass B/R Rs250/Sft in front counters. In glass all the edges moulded in bull nosing and it should be fitted with hard wood beading at both the ends to with stand the glass and the wooden surfaces finished with natural wood finish.the glass should have a opening as mentoned in the drawing or a size of 0'6" x 0'9". The rates inclusive of all fittings and accessories etc.	20.25	Sft		
8	MAIN ENTRANCE GLASS PARTITION				
	Providing and fixing of full Glass partition with 12mm thick toughened glass using Standard fittings of approved makes at the top and grouting at the bottom with U - Shaped Aluminium rails and EPDM gaskets including cutting, making holes in glass and fixing the fittings in floors, false ceiling etc. and making the same good with necessary screw, sealant wherever required. Includes frosted films. The top fittings to be fitted to the Wooden section fixed above the Gypsum board in the level of GI channels of False ceiling. (the solid partition above toughened glass will count under solid partition not under toughened glass partition. For measurement area from finished floor level to finished false ceiling level will be considered) (etching design/bank logo/sticker etching Note: The design of film is schematic and subject to changes, sizes and proportion of the same shall be subject to the final design implementation issued by the Bank	72.50	Sft		
9	MAIN ENTRANCE DOOR				
	Providing, fabricating and fixing in position 12mm thick edge polished toughened glass shutters. The quoted rate shall include necessary MS supports etc. required to hold the Glass door from the true slab adhering to the manufacturer's specification and catalogue. The 60% of glass surface shall be fixed with approved make of frosted film/etching film to pattern as directed by EIC. This also includes providing and fixing in position necessary etching film/LOGO, approved patch fitting locking systems, stainless steel brush finished hardware like concealed handles, door stopper, concealed door locks, screws, floor spring, of Godrej/Everite/Dorma/OZONE make etc all complete as recommended by the Architect/EIC	40.00	Sft		
10	FLUSH DOORS				
	Providing and fixing Solid Core Flush Door Shutter of 35 mm thk. finished both side with 1 mm thk. approved colour laminate (IS : 2046) with 1.5 mm. groove design fixed to Wooden framework of partition. One vision panel of size 6"x 10" made out of 6 mm thk. Clear glass with moulding with polish to be provided. The rate shall be inclusive of fitting and fixing of 3 nos. 100 mm. s/s hinges, door closer, door stopper, screws, cylindrical lock, tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.				
	Safe Room (3'0"x7'0")	21.00	Sft		
	Record Room (3'0"x7'0")	21.00	Sft		
	Ups Room (2'6"x7'0")	15.00	Sft		
11	SEMI GLAZED DOORS				

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Providing and fixing Solid Core Flush Door Shutter of 35 mm thk. finished both side with 1 mm thk. approved colour laminate (IS : 2046) with 1.5 mm. groove design fixed to Wooden framework of partition. One vision panel of size (For BM Chamber door, larger size glass of 600 x 1800 mm. to be provided.) made out of 6 mm thk. Clear glass with moulding with polish to be provided. The rate shall be inclusive of fitting and fixing of 3 nos. 100 mm. s/s hinges, door closer, door stopper, screws, cylindrical lock, tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.				
	Branch Manager (3'0"x7'0")	21.00	Sft		
	Branch Manager (2'6"x7'0")	17.50	Sft		
	Cash Counter (2'6"x7'0)	17.50	Sft		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	WICKET DOOR				
	Providing & fixing solid core flush door/Wicket Door of 32mm thk with 1.0mm Laminate on both sides.A door frame of salwood section covered by 3" X 1 1/2" white beach or white cedar beeding same size as frame with natural polish shall be provided. The rate shall be inclusive of brass hinges, screws, handle, cylindrical locks(golden, Godrej) , door closer, door stoppers, etc. The work to be completed as per drawing and approval of the architect.				
	Wicket Door (3'0"x4'0")	12.00	Sft		
13	CHEQUE DROP BOX/COMPLAINT BOX (1'6" x 1'0"x 1'6")				
	Fabricated out of 19mm ply for sides and back 6mm thk ply to be provided, all exposed areas to be finished with laminate 1.0mm thk of approved shade and make for both ledge and drop box. The same shall have provision for keeping brochure/slips. The entire work to be carried out as per tender drawings attached and no extra cost shall be provided in completing the same in all respect.	1.00	Nos		
14	DRESSING TABLE				
	Supply and Installation of Dressing Table in Strong Room	1.00	Nos		
15	VERTICAL BLINDS:				
	Providing & fixing 100mm vertical blinds having top rail 39mm x 34mm high with wall thickness of 1.2mm having 25mm decorative insert. Control unit shall be of Derlin plastic runner shall be moulded from Derlin Plastic with antrifriction head rail and the top end of the louvers shall not exceed 0.5cm. The louvre fabric shall be polyster viscose/ polyster yarn dyed in last colour with or without protective coating on louvers with chemical for stain resistance & soil repetancy and shall have GI weight and steel/ polymer ball chain for spacing. The top rail should be fixed on bracket of 14 SWG galvanised spring steel, fixed firmly on walls by nylon plug and screw as per approved design and directions of the Architect.	25.00	Sft		
16	WOODEN WALL/COLUMN PANNELLING				
	Providing & fixing in position wall / column panelling consisting of 6.0 mm thk. BWP ply as per IS:710, 1.0mm thk laminate with hardwood ribbing of 25 x 25 mm. @ 500 mm. both direction. The face of the cladding is to be laminated with approved design. The item is to be completed in all respects as per design & approval of the architect.	144.50	Sft		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	FALSE CEILING (GYPSUM BOARD CEILING)				
	Providing and fixing suspended Gypboard false ceiling, which includes providing & fixing GI perimeter channels of size 27mm, 0.5mm thick having one flange of 20mm & another flange of 30mm along with perimeter of the ceiling, screws fixed to brick wall / partitions with the help of rawl plugs & screws. Then suspending GI intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1200mm centers with steel GI hanger of which 25mm, 0.5mm thick fixed to soffit with GI cleat & steel expansion fastners. Ceiling section of 0.5mm thickness having knurled wedge of 51.5mm and two flanges of 25mm each with leafs of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450mm centers.	376.00	Sft		
	12.5mm tapered edge gypboard is then screwed fixed to ceiling section with 25mm dry wall screws at 230mm centers screw fixing will be done mechanically either with screw driver or drilling machine with suitable attachment. Finally the tapered and squared edges of the boards are jointed at finished to give a flushed finish with requisite jointing compound, paper tapes, finished and premier suitable for Gypsum plaster boards. The entire work shall be finished as per instructions of the Architect. No extra cost shall be entertained in completing the job in all respect. The ceiling to be finished with 2 coats of approved colour of plastic emulsion paint over a primer coat.				
18	FALSE CEILING (MINERAL FIBRE BOARD GRID CEILING)				
	Providing and fixing in true horizontal level false ceiling grid of Prelude exposed 24 mm grid system with 15mm manufactured by Approved Make by Architect. Using hot dipped chemically cleaned capping prefinished in baked polyester galvanized steel section exposed surface paint wall angle of size 3000 x 19 x 19mm used in the periphery of the ceiling fixed to the wall partition RC column band walls with the help of screw at 600mm C/C. main runner of size 3000x15x32mm suspended at 1200mm C/C by using 2mm/3mm dia GI wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm (max) and 1200mm long cross tee of size 15 x 32mm to be interlocked between in main runner at 600mm C/C. (max) to form a grid of 1200 x 600mm. long cross tee of size 15 x 32 fixed in between 1200 mm long cross tee for forming a grid of 600 x 600mm. Finally laying Armstrong Lay - in Fine fissured 99 Board edge Ceiling with Perforated (standard) tile of Trulok Edge manufactured by M/s Armstrong world Industries Ltd.,	532.00	Sft		
19	REFLECTIVE/DECORATIVE FLIMS				
	Supplying and laying reflecting film over glass on windows & front glass	80.00	Sft		
	TOTAL AMOUNT				

HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)					
COST ESTIMATE / BILL OF QUANTITIES (BRANCH AIR-CONDITIONING WORKS)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
IV	BRANCH AIR-CONDITIONING WORKS				
1	Supply and installation of 1.0 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 4KVA Voltage stablizer installation of out door units complete including all civil Works	1	Nos		
2	Supply and installation of 2.0 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 4KVA Voltage stablizer installation of out door units complete including all civil Works	2	Nos		
3	Supply and installation of Ms (Mild Steel) cages made of 1/2" x 1/2" Ms square bars for out door unit size 3 ' - 6 " x 2 ' - 6" including civil works and open arrangement in top and painting with 2 coats of synthetic enamel paint over a primer coat	4	Nos		
4	Supply & Laying of PVC Drain Piping for Split AC Units	30	Mtrs		
5	Supply and installation of 3 /4 " dia additional copper piping	50	Mtrs		
	TOTAL				

HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)					
COST ESTIMATE / BILL OF QUANTITIES (ATM INTERIOR)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
V	ATM INTERIOR WORKS				
1	FULLY GLAZED ALUMINIUM PARTITION & DOOR				
	The partition with 8mm thk. clear float glass with etching (as per design) shall be provided with powder coated aluminium frame.(Rate to calculated upto False ceiling Ht. The rate also includes Aluminium Glass Doors of size: 3' 0" x 7' 0" wherever necessary as shown in the drawing which includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardwares(ATM). No extra charges will be given for Accessories The work to be completed as per design and approval of the Architect.	60.00	Sft		
2	ACP WALL PANELLING				
	Providing & fixing in position wall / column panelling consisting of 6.0 mm thk. BWP ply as per IS:710, 1.0mm thk laminate with hardwood ribbing of 25 x 25 mm. @ 500 mm. both direction. The face of the cladding is to be laminated with approved design. The item is to be completed in all respects as per design & approval of the architect.	288.00	Sft		
3	FALSE CEILING (GYPSUM BOARD CEILING)				
	Providing and fixing suspended Gypboard false ceiling, which includes providing & fixing GI perimeter channels of size 27mm, 0.5mm thick having one flange of 20mm & another flange of 30mm along with perimeter of the ceiling, screws fixed to brick wall / partitions with the help of rawl plugs & screws. Then suspending GI intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1200mm centers with steel GI hanger of which 25mm, 0.5mm thick fixed to soffit with GI cleat & steel expansion fastners. Ceiling section of 0.5mm thickness having knurled wedge of 51.5mm and two flanges of 25mm each with leafs of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450mm centers..	86.00	sft		
	12.5mmtapered edge gypboard is then screwed fixed to ceiling section with 25mm dry wall screws at 230mm centers screw fixing will be done mechanically either with screw driver or drilling machine with suitable attachment. Finally the tapered and squared edges of the boards are jointed at finished to give a flushed finish with requisite jointing compound, paper tapes, finished and premier suitable for Gypsum plaster boards. The entire work shall be finished as per instructions of the Architect. No extra cost shall be entertained in completing the job in all respect. The ceiling to be finished with 2 coats of approved colour of plastic emulsion paint over a primer coat.				
4	ATM SOCKETS COVER BOX (1'0"x1'0"x0'6")				
	Fabricated out of 19mm ply for sides and back 6mm thk ply to be provided, all exposed areas to be finished with laminate 1.0mm thk of approved shade and make for cover box for sockets and lan points in ATM. The same shall have provision for keeping brochure/slips. The entire work to be carried out as per tender drawings attached and no extra cost shall be provided in completing the same in all respect	3.00	Nos		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
5	INDOOR NOTICE BOARD (35" x 35")				
	Providing & fixing Pin-up Board of approx size of 600mm x 800mm made of textile wrapped on 12 mm thick soft board with 6 mm com ply backing and a frame work of 50mm wide with 24 mm thk com ply, finished with 1 mm thk Laminate. The Pin-up Board shall be set into the wall panelling with necessary fittings as directed by the Bank.	1.00	Nos		
6	WRITING DESK				
	Writing desk to be done as per plan with 12mm glass topped with pigeon holes made with 18mm plywood structure with additional boxing as per design,	1.00	Nos		
7	CHEQUE DROP BOX / COMPLAINT				
	Providing cheque drop box/ Complaint/Suggestion 1'6" length, 1'0" wide and 1'6" height with 19mm tk. Plywood and lined with 1mm tk. Laminate(Fusion Maple - Wood finish) for top & exposed sides. Exposed edges of plywood shall be fixed with teak wood beading suitably polished and the back side shall be covered with 6mm tk. plywood. The inner sides shall be painted with two coats of enamel paint over a coat of primer & two coats of putty.	1.00	Nos		
8	ROLLING SHUTTER ENCASEMENT				
	Providing & fixing Rolling Shutters Encasement with 3mm thick (0.5mm + 2 mm + 0.5mm) ACP in approved colours all complete with approved aluminium sub structure, aluminium brackets, silicon sealants, gaskets, PVDF coating in approved colour etc. all complete including bird/ vermin proof closer at the bottom and flashing at top, complete as per instructions & drawings.	93.00	Sft		
	TOTAL				

**HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING
WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)**

COST ESTIMATE / BILL OF QUANTITIES (ATM AIR-CONDITIONING WORKS)

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
VII	ATM AIR-CONDITIONING WORKS				
1	Supply and installation of 1.0 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 4KVA Voltage stablizer installation of out door units complete including all civil Works	2	Nos		
2	Supply and installation of Ms (Mild Steel) cages made of 1/2" x 1/2" Ms square bars for out door unit size 3' - 6" x 2' - 6" including civil works and open arrangement in top and painting with 2 coats of synthetic enamel paint over a primer coat	2	Nos		
4	Supply & Laying of PVC Drain Piping for Split AC Units	5	Mtrs		
5	Supply and installation of 3 /4 " dia additional copper piping	5	Mtrs		
6	Supply and installation of 0-24 hr cyclic timer along with 25A 2pole air break contractors with MS box	1	Nos		
	TOTAL				

APPROVED MAKE OF MATERIALS (ELECTRICAL WORKS)		
HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)		
S.No	ITEM	MAKES
1	CABLES ISI MARK, 11000V (GRADE)	ANCHOR, POLYCAB, SUNCAB.
2	WIRES: 660V GRADE ISI MARK	ANCHOR, POLYCAB, SUNCAB.
3	ERW M.S.CONDUITS ISI MARKS	MOTI, GEMINI, ISI MARK
4	CASING CAPPING & ACCESSORIES	MOTI, GEMINI, ISI MARK
5	TRUNKINGS & TRUNKLINKS	MK, MOTI, GEMINI, ISI MARK
6	PVC CONDUITS	MOTI, GEMINI, ISI MARK
7	5A /6A PLATE TYPE SWITCHES	ANCHOR ROMA, NORTH WEST, MK & SOCKETS, ISI MARK
8	CEILING ROSES, HOLDRES	ANCHOR.
9	BUZZERS, BELLPUSH, BELLS	MK, ANCHOR.
10	DISTRIBUTION BOARDS, MCB's	MDS, SIEMENS, HAGER,C&S
11	ELCB/RCCB	MDS, SIEMENS, HAGER,C&S
12	LIGHT FITTINGS	PHILIPS, WIPRO, CROMPTON GREAVES ,ELENSERVE
13	FANS AND EXHAUST FANS	CROMPTONS, GEC.
14	REWIRABLE SWITCH FUSE UNITS	KEW, BOSMA, STANLEY,
15	CUT-OUT'S	KEW, BOSMA, STANLEY,
16	HRC SWITCH FUSES UNITS	GEC ALSTHOM, L&T, and SIEMENS.ABB
17	TEAK FRAMED SWITCH:	SPEACIAL QUALITY BOARDS AVAILABLE IN MARKET
18	BUS-BAR CHAMBERS	STANLEY, KEW,
19	CABLE GLANDS & LUGS	SIEMENS, DOWELS
20	INDUSTRIAL SOCKETS	MK, CROMPTON, MDS, SIEMENS,C&S
21	15A SWITCH, SOCKETS	MK, ANCHOR ROMA, NORTH WEST,
22	16A DP SWITCHES WITH FUSE	ANCHOR.
23	GEYSERS/WATER HEATER	SPHERE HOT, RACOLD, USHA.
24	TELEPHONE WIRES	DELTON, FINOLEX.
25	FLOURESCENT TUBES & BULBS	PHILIPS, CROMPTON, OSRAM. BAJAJ, ELENSERVE
26	G.I. B-CLASS PIPES (ISI)	ITC, PRAKASH
27	ELECTRONIC REGULATORS	MK, ANCHOR
28	CONTACTORS	L&T, SIEMENS.
29	MCCBs	L&T, GE, ABB, SIMENS
30	MEASURING INSTRUMENTS	A.E., IMP, MECCO,
31	C.T	A.E., IMP, MECCO, SIEMENS.
32	CAPACITORS	CROMPTON, ASIAN, L&T.
33	P.F. RELAY	L&T, CROMPTON.
34	TELEPHONE OUTLETS:	ANCHOR ROMA, NORTH WEST, MK
35	CEILING FANS	CROMPTON GREAVES / KHAITHAN/ USHA Model to be appd. By the architect.
36	EXHAUST FANS	ALMONARD / CROMPTON
37	LAN SWITCHES / JACKS	D - LINK , AMP, SYSCO
38	DATA SOCKETS	D - LINK , AMP, SYSCO
39	NET WORKS RACK & SWITCH	D - LINK , AMP, SYSCO
40	SPEAKERS	AHUJA ,PHILIPS
41	CCTV WITH ACCESSORIES	HIKVISION / AJHUA
NOTE: Apart from the above makes, any further equivalent make as approved by the bank, can also be used with prior permission from the bank.		
		Signature of the Contractor/Tendered (With Seal)

APPROVED MAKE OF MATERIALS (INTERIOR & FURNISHING)		
HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)		
S.No	ITEM	MAKES
1	Wood	Teak wood
2	Grid Ceiling	Armstrong / Daikin
3	Gypsum board	India Gypsum Ltd / La gyp /equivalent
4	Veneer	Uro / Garnet
5	Granite	Black colour g-20, Tiger black
6	Laminate	Merino / Greenlam / Asis / Century / Archid
7	Glass	Saint Gobain, Modi guard
8	Flush door	Greenply / Asis / IDEAL PLY , Assam Prestige make
9	Marine plywood	Century Shiny / Swing
10	Commercial plywood	Century Shiny / Swing / Assam top / Green line / Omega / Archid
11	Door closers	Ozone / Dorma / Ebco
12	Floor spring / Patch fittings	Ozone / Dorma / Ebco
13	Furniture hardware	Dorset / Godrej / Ebco / Hettich
14	Melamine coat	Asian or equivalent
15	Putty	Asian / Birla putty/ Jk putty
16	Paints	Asian paints / ICI Dulux / Berger
17	Texture	Terraco / Novatex
18	Adhesive	Fevicol SH , Araldite
19	Mortise locks	Godrej / Dorset/Monarch
20	Cylindrical lock	Godrej / Dorset/Monarch

**HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR
CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)**

SUMMARY

SL.NO	PARTICULARS	AMOUNT (Rs.)
I	BRANCH INTERIOR WORK	
II	BRANCH FIXTURES WORK	
III	BRANCH ELECTRICAL WORKS	
IV	BRANCH AIR-CONDITIONING WORKS	
V	ATM INTERIOR WORK	
VI	ATM ELECTRICAL WORK	
VII	ATM AIR-CONDITIONING WORKS	
VIII	CCTV WORKS	
IX	FIRE ALARM SYSTEM & BURGLAR ALARM WORKS	
	TOTAL	
ALL RATES ARE EXCLUSIVE OF 18% GST		

HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)					
COST ESTIMATE / BILL OF QUANTITIES (FAS & BURGLAR ALARM WORKS)					
NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
IX	FAS & BURGLAR ALARM WORKS				
1	Supplying, installation, testing & commissioning of heat detector operating at 54°C/57°C with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection etc. as required.	3	Nos		
2	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required	10	Nos		
3	Supplying, installation, testing & commissioning response indicator on surface/recess MS box having two LEDs metallic cover complete with all connections etc. as required.	6	Nos		
4	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required	3	Nos		
5	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	2	Nos		
6	Supplying, installation, testing & commissioning sector panel suitable for following zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered, complete with all connections,interconnections as required.				
	8 Zone	1	Nos		
	CABLING WORKS				
9	Supply and wiring with 2C x 1.5 sq.mm FR twisted pair shielded,1.1KV grade PVC insulated unarmoured copper conductor cable, PVC overall sheathed cable in already laid conduit with interconnections complete as required and as directed by EIC.(For fire detector)	175	Mtr		

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Burgler Alarm works				
1	Providing and fixing of Burglar Alarm system covered in Door magnetic contact sensor, PIR sensor,Panic switch, sounder , Cable & conduits. (Make :-Securico/Texecom or equivalent)	1	Nos		
	TOTAL				

**HASANA BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING
WORKS FOR PUNJAB & SIND BANK (CHENNAI ZONE)**

COST ESTIMATE / BILL OF QUANTITIES (CCTV WORKS)

NO	WORK DESCRIPTION	QTY	UNIT	RATE	AMOUNT
VIII	CCTV WORKS				
1	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in ceiling / walls / floors from hub to necessary stations.	170	Mtrs		
2	Supply of Hikvision turbo HD IR Outdoor Bullet Camera 20Mtrs range	QRO	Nos		
3	Supply of Hikvision turbo HD IR Indoor Dome Camera 20Mtrs range with 180 days back up with necessary requirments	9	Nos		
4	Supply of Hikvision HD 8 Channel DVR	1	Nos		
5	Supply of Hikvision HD 4 Channel DVR	1	Nos		
6	Supply of 6TB HDD	1	Nos		
7	Supply of 20Ams 12V DC Power Supply for Cameras	1	Nos		
8	Supply of BNC Connectors & DC Pin Connectors for Cameras & DVR	1	Nos		
9	Supply of 9U Wallmount Rack with Accessories	1	Nos		
	Installation Charges				
10	Laying of CCTV Cat - 6 Cable Through out PVC Conduits	145	Mtrs		
11	Camera Fixing & Termination	9	Nos		
12	DVR Installation and remote view	1	Nos		
13	9U Wallmount Rack Fixing, Patching and Dressing	1	Nos		
	TOTAL				