

**VILATHIKULAM BRANCH & ATM - INTERIOR, FURNISHING, ELECTRICAL, DATA
CABLING AND AIR CONDITIONING WORKS FOR INDIAN BANK
(TIRUNELVELI ZONE)**

A	MAIN WORKS	Amount(Rs.)
1	INTERIOR WORK	
2	FIXTURES WORK	
2	BRANCH ELECTRICAL WORK	
3	BRANCH & ATM DATA CABLING WORK	
4	BRANCH A/C WORK	
5	ATM INTERIOR WORK	
5	ATM ELECTRICAL WORK	
6	ATM A/C WORK	
	TOTAL	
(RUPEES		ONLY)
ALL RATES ARE INCLUSIVE OF 18% GST		

**VILATHIKULAM BRANCH - INTERIOR, FURNISHING WORKS FOR INDIAN BANK
(TIRUNELVELI ZONE)**

BILL OF QUANTITIES

S NO	PARTICULARS	QTY	UNIT	RATE(Rs)	AMOUNT (Rs)
1	<u>PARTITIONS</u>				
a	<u>Full & Half Blocked Partition</u>				
	Providing full height double skin fully blocked partitions upto RCC ceiling ht using aluminium plain rectangular sections of 2 1/2"x 1 1/2" size spaced at 2'0" c/c maximum for the frame work, fixed with 6mm plywood on both sides and lined with 1mm tk. laminate (Bank approved colors) with necessary grooves of 1mm thick. The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (Black) at base and a 100mm wide border (Brown) at the top including making necessary slots for cable conduits to pass through and all incidental materials etc., complete.(Record, dining,strong room,ups room)	265.00	Sft		
b	<u>Partly Glazed Partition Manager & Server Cabin:</u>				
	Providing full height double skin partly glazed partitions using aluminium sections of 2 1/2"x11/2" size spaced at 2'0" c/c maximum for the frame work, fixed with 6mm plywood on both sides and lined with 1mm tk. laminate with necessary grooves of 1mm thick. The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (Black) at base and a 100mm wide border (Brown) at the top and shall include the cost of providing 8mm tk. plain float glass with etching Designe to suitable sizes, including making necessary slots for cable conduits to pass through and all incidental materials etc., complete.	214.00	Sft		

c	Low Height Partition				
	Providing low height double skin partitions along with Counter Divider partition wicket gate of the same type using aluminium sections of 2 1/2" x 1 1/2" size spaced at 2'0" c/c maximum for the frame work, fixed with 6mm plywood on both sides and lined with 1mm tk. laminate (bank approved laminates only) with necessary grooves of 1mm thick. The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (Black) at base& including making necessary slots for cable conduits to pass through and all incidental materials etc., complete.	56.00	Sft		
d	CASH PARTITIONS (BULK CASH)				
	Providing full height upto 7' 3" from floor level, semi grilled plywood partition for cash cabin, using aluminium sections of 2 1/2" x 1 1/2" size spaced at 2'0" c/c maximum for the frame work , fixed with 6mm plywood on both sides and lined with 1mm tk. laminate (bank approved laminates only) with necessary grooves of 1mm thick, The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (Black) at base and a 100mm wide border (Brown) shade at the top and shall include the cost of providing ornamental aluminium grille to suitable sizes, including making necessary slots for cable conduits to pass through and all incidental materials etc., complete.	59.00	Sft		
e	CASH CABIN TOP ALUMINIUM GRIL				
	Providing and fixing in position readymade anodized alumium grill of approved design and quality fixed with continuous steam beech / teak wood beads of approved shape (finished 35 x 25 mm) all round polished (in cash cabin)	45.00	Sft		

2	FRONT COUNTER 12MM GLASS				
	Providing front glazing for cash cabin above counter from 3'9" to 7'0" height, and inbetween banking counters using 12mm thick plain glass including edge polishing & etching.	44.00	Sft		
3	DOORS				
a)	ENTRANCE DOOR				
	To be made out of 12mm thk glass with etching as per design. The glass with etching has to be fixed with top & sides rails of 2½"x4" and bottom rails of size 2½" x 6". The rails to be made out of beech wood The door shall have 18" long s/s handle (as shown in the drawing) and also double action floor spring of specified make. The door frame to be mde out of 5"x 2½" best quality beech wood. The etching in glass pattern to be done strictly following instructions of the Architect or following the drawing attached. The exposed wood of frames, rails to be polished as per instructions of the architect. NB: The size of the door may slightly vary as per site conditions for matching the elevation on the fixed glazing. All exposed edges of the glass to be machine polished. The rails are to be made as per the design of the architect. Bank Entrance door (4'0" X 7'0")	42.00	Sft		
b)	FLUSH DOORS				
i)	Door (3'0" x 7'0")	2.00	No		
ii)	ups - (2'6" x 5'0")	1.00	No		
c)	SEMI GLAZED DOORS				
i)	Manager (3'0" x 7'0")	1.00	No		
ii)	Manager, Server & B.cash (2'6"x 7'0")	2.00	No		

d)	WICKET DOOR				
i)	Wicket Door (3'0"x3'0")	1.00	No		
4	SERVER ROOM WORKING COUNTER				
	Working top will be 2' - 6" ht to be provided as per instructions given by the architect. Rest of the working counter as per specifications in fabricated out of 18mm ply for top, sides and 6mm ply for back. The work station will have drawer units, keyboard tray, cpu platforms, leg rest etc., and drawings attached in tender and specifications. All clarifications to be taken before quoting the prices and no extra cost shall be entertained at the time of execution. The entire work as per the instruction of the Architect at the time of execution.	4.00	Rft		
5	Cheque drop box/ Complaint				
	Providing cheque drop box/ Complaint/Suggestion 1'6" length, 0'9" 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	No		

7	FALSE CEILING (GYPBOARD)				
	<p>Providing & fixing suspended gypboard false ceiling, which includes Providing & fixing G.I perimeter channels of size 27mm, 0.5mm thk having one flange of 20mm & another flange of 20mm along with perimeter of the ceiling, screws fixed to brick wall/partitions with the help of rawl plugs & Screws. Then suspending G.I intermediate channels of size 45mm, 0.9mm thk with two flanges of 15mm each from the soffit at 1200mm centres with stell G.I hanger of width 25mm,0.5mm thk fixed to soffit with G.I. cleat & steel expansion fasteners. Ceiling section of 0.5mm thickness having knurled wedge of 51.5mm and two flanges of 26mm 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 centres. 12.5mm tapered edge gypboard is then screwed fixed to ceiling section with 25mm dry wall screws at 230mm centres Screw fixing will be done mechanically either with screw driver or</p>	900.00	Sft		
	<p>with requiste jointing compound, paper tapes, finisher and premier suitable for Gypsum plaster boards. The entire work shall be finished as per instructions of the Architect. And also finished with two or more coats of acrylic emulsion paint of approved shade and make. No extra cost shall be entertained in completing the entire work in all respect.</p>				
	Total Interior Works				

**VILATHIKULAM BRANCH - INTERIOR & FIXTURES WORKS FOR INDIAN BANK
(TIRUNELVELI ZONE)**

ROUGH COST ESTIMATE AND BILL OF QUANTITIES

S NO	PARTICULARS	QTY	UNIT	RATE(Rs)	AMOUNT (Rs)
1	TABLE				
	Manager table as per drawing done with structure made of 18mm plywood with drawer unit comprising of 1 drawer, 1 filing shelf fixed with pull out door (box type hinges), locks, D type handles and all accessories to be provided.All drawers, corners, doors to be finished with beach wood lipping/beading, melamine polished., push in type keyboard, all drawers and key board on telescopic channels. All exposed edges Teak/beach wood beadings is finished with melamine polished and inside laminated with 0.8mm laminate. The table to be topped with 12mm float glass with beveling on all four sides. The side unit is provided with two drawers and filing shelf with two pull out doors, finished in same manner.CPU platform with foot rest to be provided. wall to table gap to closed with plywood.				
a)	Branch Manager 6'0"x2'6"	1.00	No		
2	FRONT COUNTER AND BULK CASH COUNTER				
	Providing and assembling banking counter and Cash,single window counter unit as shown in drawing of size not less than 5'0" x 2'6" x 2'6" or as per site requirements, with regular drawer - 1 No. and shelves on one side, a keyboard drawer at centre and a platform for CPU onto other side for each counter as shown in drawing using 19mm thick commerical plywood lined with 1.0mm thick laminate(Bank approved colors) Cash and single window with 12mm thick glass (to be strictly followed) in front side for all the exposed surfaces, including providing skirting 4" wide with 1.0mm thk laminate (Black) on both sides to match with the adjoining partition and 4" wide border at top with 1.0mm thk laminate (Brown).The customer top at 3'9"ht of 1'3" width & working counter top of 2'6" width to be fixed with 19mm Granite top (Jet Black/approved) with double nosing @ front side as shown in the drawing				
	All the plywood edges shall have teak wood lipping and all inner surfaces shall be painted with two coats of enamel paint over a coat of primer & two coats of putty. The rate shall include providing, fixing & painting a foot rest using first class seasoned country frame of size 3" x 1 1/2".Necessary hardware fittings like draw sliders, hinges, multipurpose locks with set keys, handles shall be provided.				
i)	Bulk cash	5.00	Rft		
ii)	Working counters	19.00	Rft		

2	STORAGE				
	Providing and fixing filing cabinet in manager cabin for a height of 2'6" & 7' ht. made of 18mm plywood structure comprising of suitable intermediate horizontal racks with open type doors, finished with 1mm laminate and teak wood beadings neatly melamine polished and inside finished with 0.8mm laminate with locks, handles and all accessories				
i)	Manager	7.50	Sft		
ii)	Cash	10.00	Sft		
iii)	Banking Hall	48.00	Sft		
vi)	Record Room	22.00	Sft		
3	WRITING LEDGE WITH 12mm GLASS TOP				
	Made out 18 mm ply as per design and exposed external surfaces to be laminated and internal surface to be painted with top provided 12 mm thk etched glass with machine polished edges . The entire work has to be done to the satisfaction of the architect. The design given has to be strictly followed	1.00	No		
4	NOTICE BOARD				
	Providing and fixing of the soft board on the customer lobby made of jolly board with a fabric of B / R @ 200 / - per meter .The design and the entire work has to be done as per the instructions of the architect a the time of execution	12.00	Sft		
	Total Interior Works				

VILATHIKULAM BRANCH - ELECTRICAL WORKS FOR INDIAN BANK (TIRUNELVELI ZONE)

BILL OF QUANTITIES

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
A	Supply&Installation&Commisioing of the following				
1	MAIN DB (8WAY VTPN DB)				
	Three Phase, Vertical Distribution board				
	with nueutral bar,earth bar,cables ties,top and				
	bottom removable gland plate and with necessary				
	adopter boxes if any.The DB should be IP 42 metallic				
	double door with provisioin of MCB etc as				
	required including cuting of wall and plastering the				
	same with neat finish.It comprising as flolows:-				
	Incomer :				
	100A TPN MCCB -1Nos				
	Outgoings:				
	63A TP MCB -4Nos				
	32/25/20A SP MCBs- 5Nos	Set	1		
B	Supply&Installation&Commisioing of the following				
1	LIGHTING DB(4WAY TPN DB)				
	Three Phase, Phase Segrigated Distribution board				
	with nueutral bar,earth bar,cables ties,top and				
	bottom removable gland plate and with necessary				
	adopter boxes if any.The DB should be IP 42 metallic				
	double door with provisioin of MCB etc as				
	required including cuting of wall and plastering the				
	same with neat finish.It comprising as flolows:-				
	Incomer : 40A TPN MCB				
	Outgoings:				
	10/6A SP MCBs- 12Nos	Set	1		
2	POWER DB(4WAY TPN DB)				
	Three Phase, Phase Segrigated Distribution board				
	with nueutral bar,earth bar,cables ties,top and				
	bottom removable gland plate and with necessary				
	adopter boxes if any.The DB should be IP 42 metallic				
	double door with provisioin of MCB&ELCB etc as				
	required including cuting of wall and plastering the				
	same with neat finish.It comprising as flolows:-				
	Incomer : 63A TPN MCB				
	Outgoings:				
	32/25/20A SP MCBs- 12Nos	Set	1		

3	COMPUTER DB(8WAY SPN DB)				
	12 Way SPN Distribution board				
	with neutral bar,earth bar,cables ties,top and				
	bottom removable gland plate and with necessary				
	adopter boxes if any.The DB should be IP 42 metallic				
	double door with provision of MCB&ELCB etc as				
	required including cutting of wall and plastering the				
	same with neat finish.It comprising as follows:-				
	Incomer : 40ADP MCB				
	Outgoings:				
	10A SP MCBs- 6Nos	Set	2		
4	Supply&Installation of the following with the necessary				
	enclosure and adopter boxes if necessary,				
	a)63A TPN MCB	Set	2		
	b)63A DP MCB	Set	4		
5	Supply&Installation of 32A Metal Clad Socket with				
	top in a specified company manufactured box with				
	suitable rating MCB for AIR CONDITIONS	set	7		
6	Supply&Installation of 63A 4Pole Change over switch	set	1		
7	Supply and Fixing for 63A Phase Selector switch with				
	enclosure and adopter boxes if necessary,	set	2		
C	LT CABLES				
1	Supply&Laying of the following cables in built up				
	trenches,on wall, or in the ground as per the case may be,				
	with proper clamping with necessary fixing materials etc.				
	Installing testing&commissioning of 1100V grade UG				
	cable as per IS 7098/1554 (Finolex/ Universal)				
	3.5Corex50Sqmm Aluminium Armored cable Main DB	Mtr	27		
	3.5Corex35Sqmm Aluminium Armored cable power DB	Mtr	15		
	3.5Corex16Sqmm Aluminium Armored cable LDB Main	Mtr	23		
2	End Termination of the above cables with proper Glands				
	and Lugs				
	3.5Corex50Sqmm Aluminium Armored cable Main DB	Set	2		
	3.5Corex35Sqmm Aluminium Armored cable power DB	Set	2		
	3.5Corex16Sqmm Aluminium Armored cable LDB Main	Set	4		

D	WIRING				
1	Light/Fan point wiring with 3 of 1.5 sqmm PVC insulated copper conductor to be laid in 2mm suitable PVC conduit with Bend,Couplings, etc.. And fixing with clamps screws etc.All conduits to be laid above the false ceiling/partition/concealed in the wall etc. Wiring to be connected with supply&Fixing of 6A Modular type switch(MK/ROMA) with suitable Modular plate and metal Box				
	a) One light Controlled by One Switch	Pts	15		
	b) Two light Controlled by One Switch	pts	10		
	c) 6A Switch box Sockets in the switch board itself	Pts	7		
	d) Ceiling fan with regulator	Pts	4		
	e) wall bracket fan point (6A socket with 6A switch)	pts	10		
	f) Calling bell point with Calling bell instrument	Pts	1		
	g)Exhaust fan point	pts	3		
2	Supply&Wiring with Flame Retardant				
	insulated PVC wire as per grade IS 994 for Circuits,Computer point,Power points within 2mm thk PVC conduits with necessary accessories and with proper clamps and to be concealed below the false ceiling It comprises as follows:-				
	a) 3Runs of 2.5Sqmmcopper wire in PVC conduit for lighting circuit mains	Mtr	150		
	b) 3Runs of 2.5Sqmmcopper wire in PVC conduit for Power points	Mtr	180		
	C) 3Runs of 2.5Sqmm copper wire in PVC conduit for computer points	Mtr	190		
	d) 2Runs of 4Sqmm copper wire+1.5Sqmm copper wire in PVC conduit A/C Wiring	Mtr	180		
	e) 2Runs of 6Sqmm copper wire+2.5Sqmm copper wire in PVC conduit	Mtr	35		
	f) 4Runs of 6Sqmm copper wire+2.5Sqmm copper wire in PVC conduit	Mtr	25		
E	POWER POINT OUTLETS				
1	Supply&Installation of 3 Nos of 6A Sockets controlled by 2of 5A Switches with front plate with enclosure and other accessories etc..(MK /ROMA)	Set	10		
2	Supply&Installation of 1Nos of 6A Socket controlled by 1No 6A Switch with front plate with enclosure and other accessories etc..(MK /ROMA)	Set	8		
3	Supply&Installation of 1Nos of 16A Socket controlled by 1No 16A Switch with front plate with enclosure and other accessories etc..(MK /ROMA)	set	4		
F	LIGHTING FIXTURES				
1	Supply, Fixing & Commisioning of Recess mounting type compact vertical Flat Panel 34W LED fitting in Down Rods with white finish and other fixing accessories.(Crompton, Wipro,Philips)	set	13		

2	Supply, Fixing & Commissioning of Recess mounting type compact vertical round shaped 1x15W LED downlighter fitting with white finish and other fixing accessories.,(Crompton, Wipro,Philips)	set	4		
3	Supply&Fixing of Patti Type LED 20Watts Fittings (Crompton, Wipro,Philips)	Set	8		
4	Supply&Fixing exhaust fan(Crompton, Almonard)	set	3		
5	Supply&Fixing & Commissioning of wall mounting Metal Body fan with necessary Down Rods and with all fixing accessories.,(Crompton / Havells)	Set	9		
6	Supply&Fixing & Commissioning of 48" ceiling fan with necessary Down Rods and with all fixing accessories.,(Crompton / Havells)	Set	4		
G	EARTHING				
1	Providing dedicated earthing with 600x600x3.15 mm copper plate along with 50mm dia.10feet long G.I pipe with other accessories in the earth filled with necessary salt,charcoal,etc. It should be covered with G.I Manhole cover with necessary civil works.etc..	Set	1		
2	Supply & Laying of 10 Sqmm PVC Insulated Multi strand copper conductor laid in 25mm dia PVC pipe for Dedicated earth leads from the earth electrodes to the UPSsystem	Mtr	33		
3	Providing general earthing with 50mm dia.10feet long G.I pipe with other accessories in the earth filled with necessary salt,charcoal,etc. It should be covered with G.I Manhole cover with necessary civil works.etc..	Set	1		
4	Supply&Laying of 8SWG copper wire	Mtr	50		
F	TELECOMMUNICATION				
1	Supply&Laying of 2 Pair Telephone Cable within PVC Conduit and its necessary accessories etc..	Mtr	180		
2	Supply&Laying of 20Pair Telephone Cable within PVC Conduit and its necessary accessories etc..	Mtr	25		
3	Supply&Installation of RJ II Jack with necessary Face plate and Box for connecting telephone points	Set	10		
4	Supply & fixing of 10 pair KRONE Box with lock and key	Set	1		
	TOTAL				

VILATHIKULAM BRANCH & ATM - DATA CABLING WORKS FOR INDIAN BANK (TIRUNELVELI ZONE)					
<u>BILL OF QUANTITIES</u>					
S.No	Description Of Work	Unit	Qty	Rate	Amount
	DATA CABLING				
1	Supply&Laying of CAT 6 Data Communication cable in 2mm				
	thk heavy duty 20mm dia PVC conduit and makinng holes in				
	the aluminium partitions/wall all accessories as required (DLink)	Mtr	180		
2	Supply&Installation,Testing&Commisioing of Modular type				
	1Nos of RJ45 Female Jack housed in GI anodised metal box				
	with suitable Faceplate fixing the same in the wall/partitions				
	with all accessories etc. as required.	Set	7		
3	Supply and fixing of 1M Mounting Cord	Set	7		
4	Supply and fixing of 2M Mounting Cord	Set	7		
5	Supply&Installation of 24por cat6 SWITCH	Set	1		
6	Supply and installation of 24port cat 6 jack panel	Set	1		
7	Supply and installation of 9u wall mounting rack	Set	1		
	TOTAL				

VILATHIKULAM BRANCH - AIR CONDITIONING WORKS FOR INDIAN BANK (TIRUNELVELI ZONE)

BILL OF QUANTITIES

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
1	Supply, Testing and commissioning of indoor and outdoor split air conditioner with remote control, with 3 star rating units and necessary civil works etc., The rate of units is including the supply and laying of 3 mtr of copper pipes with insulations, rubbers, white cements etc., (Brand: Voltas)				
a	2 TR - Banking hall	4	No		
b	1 TR - Server	2	No		
2	Supply and laying of copper pipes with rubber insulations, rubbers, white cements etc.,	30	Mtr		
3	Supply and installation of Stabilizer for following units				
a	1 TR - 4 KVA	2	No		
b	2 TR - 5 KVA	4	No		
b	Installation Charges for 1 Tr,2 Tr Split Air Conditioner	6	No		
4	Supply and Installation of Outdoor Stand with necessary civil works	6	No		
5	Supply and laying of PVC Blue pipes for water drain from the indoor units.	43	Mtr		
6	Civil works like cutting AC hole,packing,drain pipe cutting and packing with mortar etc.	1	Ls		
7	Supply and fixing Timer controlled for server Unit	1	No		
	Airconditioning works Total:				

VILATHIKULAM - ATM INTERIOR WORKS FOR INDIAN BANK (TIRUNELVELI ZONE)

BILL OF QUANTITIES

S.No	ITEMS AND DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	FULLY GLAZED ALUMINIUM PARTITION & DOOR				
a	FRONT BOTH SIDE FIXED PARTITION : Providing and fixing Fully glazed partition in ATM Entrance , made of aluminium MRF vapocured twin style frame work of size:-58 x38mm, 20 micron of IB-Black colour finished with 10 mm thk float glass with derk silicon (SAINT GOBAIN or MODIGUARD) up to the false ceiling level.Support to be done to the rcc ceiling, but measurements would be taken below the false ceiling level only.	80	Sft		
b	ENTRANCE DOOR (Size : 3'6"x7'0") : Providing and fixing of Fully glazed door for ATM entrance, made of aluminium MRF vapocured twin style frame of size:-100 x 50 mm, 20 micron of approved colour finished with 10 mm edge polished glass with silicon (SAINT GOBAIN or MODIGUARD) up to the 7'0" height, door to be provided with dorma make 12" SS handle, lock and door closure(approved make) & stopper	25	Sft		
2	GYPBOARD FALSE CEILING				
	Supply and erection of gypboard false ceiling for Manager cabin area at single level with framework of G.I. Section of spacing 4'0" x 2'0" above with 12mm gypboard fixing. Recessed ceiling is to be done as per architects instruction to have provision for indirect lighting rate is included for cutouts for lights, smoke detectors and AC grills. The ceiling is putty finished and sanded to form clean and homogeneous surface. Rate is included for two coats of acrylic emulsion painting.	85	sft		
3	ATM SOCKETS COVER BOX (1'0"x1'0"x6" - 1no)				
	All ATM Sockets, IO Box to be covered using 12mm plywood structure with 1mm thk lamination finish (matching ACP color colour), Shutter type door (up & down) with lock, handle and necessary wire manager groove (at bottom) to be provided.	2	nos		

4	PIN-UP NOTICE BOARD				
	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	no		
5	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	no		
6	cheque drop box/ Complaint				
	Providingchequedropbox/Complaint/Suggestion1'6"length,0'9"wideand1'6"heightwith19mmtk.Plywoodandlinedwith1mmtk.Laminate(FusionMapleWoodfinish)fortop&exposedsides.Exposededgesofplywoodshallbefixedwithteakwoodbeadingsuitablypolishedandthebacksideshallbecoveredwith6mmtk.plywood.Theinnersidesshallbepaintedwithtwocoatsofenamelpaintoveracoatofprimer&twocoatsof putty.	1	no		
	TOTAL				

VILATHIKULAM ATM - ELECTRICAL WORKS FOR INDIAN BANK (TIRUNELVELI ZONE)

BILL OF QUANTITIES

Sl.	Description	Qty	Unit	Rate	Amount
A	MAINS & DISTRIBUTION BOARDS				
1	Supply, erection, testing and commissioning of three phase 4 WAY, TPN MCB DB double door vertical type, IP 42 powder coated with 40A TPN MCB – 1No as INCOMER 32A DP MCB-1No For UPS 10/25/32A – 4No.s as OUTGOING Including all interconnections & accessories etc	1	No		
B	POWER CABLES & CONDUIT WIRING				
1	Supplying, laying, testing & commissioning of PVC / LT insulated 1.1KV grade aluminium armoured conductor cables of the following sizes, laid in trenches below ground level/ clamped on to the walls as per site condition.				
a	3.5C x 25Sqmm aluminium armoured PVC cable	18	mtr		
C	Supplying and terminating the end of cables of the following sizes using Siemens type single compression cable glands, crimping type aluminium / copper sockets of required size, gland earthing clips etc., complete.				
a	3.5C x 25Sqmm aluminium armoured PVC cable	2	Set		
D	AIR CONDITIONING WIRING & ACCESSORIES				
1	Supply&Installation of 32A Metal Clad Socket with top in a specified company manufactured box with suitable rating MCB for AIR CONDITIONS	2	No		
2	Wiring in position 2 runs of 4.0 sq.mm. cable and 1 run of 2.5 sq.mm cable for earth from Main D.B. to 2 Nos split air – conditioners in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	25	Mtr		
E	UPS WIRING & ACCESSORIES				
1	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 40A DP MCB – 1No as INCOMER 10A SP MCB – 4Nos. as OUTGOING Including all interconnections & accessories etc., complete.	1	Set		
2	Wiring in position 2 runs of 6.0 sq.mm. cable and 1 run of 4.0 sq.mm cable for earth from Main D.B. to UPS and UPS to UPS DB.	40	Mtr		
3	Wiring in position 3 runs of 2.5.sq.mm cable for circuits from UPS.Lighting,Raw power required places in P.V.C. Conduit pipes including chasing in walls / floor wherever necessary	45	Mtr		

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4	Supply,fixing, testing & commissioning of 2No. 16A multi pin socket outlet in UPS circuit controlled with 1No. 16A one way switch in a steel sheet enclosure with 8 module top plate including dummies and incidental materials etc.,	2	No		
F	LIGHTING WIRING				
	Supply,fixing, testing & commissioning of the following switch controls in steel sheet enclosure including 3 runs of 1.5sqmm, steel sheet enclosure & modular top plate and all incidental materials etc., complete.				
1	One light Controlled by One Switch	4	No		
2	1 No. 6A socket controlled by single switch	1	No		
G	LIGHTING & FIXTURES				
1	SFTC for the following light fittings with required hardwares such as suspension wires from ceiling, false ceiling, anchor fasteners, chains, bolts, nuts etc., complete.				
a	36 watts LED light fitting with 2'X2'	1	No		
b	15 watts LED round fitting with LED as	4	No		
c	20watts LED Patty fitting	1	No		
H	DATA POINT				
1	Supply&Laying of CAT 6 Data Communication cable in 2mm thk heavy duty 20mm dia PVC conduit	50	mtr		
2	Supply&Installation,Testing&Commisioing of Modular type 1Nos of RJ45 Female Jack housed in GI anodised metal box with suitable Faceplate fixing the same in the wall/partitions with all accessories etc. as required.	2	No		
I	EARTHING				
1	Providing earthing two numbers , One for ATM and another for AIR-CONDITIONERS including excavating the P.C.C. floor/ earth to 6'0" depth and providing earthing with 50mm dia. G.I. pipe with perforations connected through copper wire including copper flat including copper plate of size 300mm x 300mm, G.I. bolts and filled up with layers of charcoal, salt and earth. (Earth provided for computers shall not be used for any other purpose)	1	No		
2	Supplying and laying of 6 Sqmm multi stranded copper wire for UPS earth in suitable PVC conduit with all incidental materials etc., complete.	13	Mtr		
	Total				

**VILATHIKULAM ATM - AIR CONDITIONING WORKS FOR INDIAN BANK
(TIRUNELVELI ZONE)**

BILL OF QUANTITIES

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
1	Supply, Testing and commissioning of indoor and outdoor split air conditioner with remote control, with 3 star rating units and necessary civil works etc., The rate of units is including the supply and laying of 3 mtr of copper pipes with insulations, rubbers, white cements etc., (Brand: Voltas)				
a	1 TR - ATM	2	No		
2	Supply and laying of copper pipes with rubber insulations, rubbers, white cements etc.,	10	Mtr		
3	Supply and installation of Stabilizer for following units				
a	1.0 TR - 3 KVA	2	No		
b	Installation Charges for 1 Tr Split Air Conditioner	2	No		
4	Supply and Installation of Outdoor Stand with necessary civil works	2	No		
5	Supply and laying of PVC Blue pipes for water drain from the indoor units.	15	Mtr		
6	Civil works like cutting AC hole,packing,drain pipe cutting and packing with mortar etc.	1	Ls		
7	Supply and fixing for Timer for A/C Controlled	1	No		
	Airconditioning works Total:				