

CURRENCY CHEST - INTERIOR FURNISHING, ELECTRICAL, DATA CABLING AND AIR CONDITIONING WORKS FOR INDIAN BANK (KUMBAKONAM ZONE)		
A	MAIN WORKS	AMOUNTS (Rs.)
1	INTERIOR/FURNISHING WORK	
2	ELECTRICAL WORK	
3	DATA CABLING WORK	
4	A/C WORK	
	TOTAL	

CURRENCY CHEST - INTERIOR FURNISHING WORKS FOR INDIAN BANK KUMBAKONAM ZONE)					
ROUGH COST ESTIMATE AND BILL OF QUANTITIES					
S NO	PARTICULARS	QTY	UNIT	RATE(Rs)	AMOUNT (Rs)
1	<u>PARTITIONS</u>				
a	<u>Full Height Blocked Partition</u>				
	Providing full height double skin fully blocked partitions 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 (Fusion Maple - wood finish) with necessary grooves of 1mm thick. The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (IB BLUE) at base and a 100mm wide border (IB - BLUE) 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)	519	Sft		
b	<u>Partly Glazed Partition Manager Cabin:</u>				
	Providing full height double skin partly glazed partitions using aluminium sections of 2 1/2"x1 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 (Fusion Maple - wood Finish) with necessary grooves of 1mm thick. The rate shall include the cost of providing 100mm wide skirting with 1mm tk. laminate (IB - BLUE) at base and a 100mm wide border (IB - BLUE) at the top and shall include the cost of providing 6mm tk. plain float glass to suitable sizes, including making necessary slots for cable conduits to pass through and all incidental materials etc., complete.	699	Sft		
2	<u>DOORS</u>				
a)	<u>ENTRANCE DOOR</u>				

	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")	28.00	Sft		
b)	SEMI GLAZED DOORS				
i)	Door (4'0" x 7'0")	3.00	No		
i)	Door (3'0" x 7'0")	4.00	No		
3	COUNTERS				
	Providing and assembling banking 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 commercial plywood lined with 1.0mm thick laminate (Fusion Maple - Wood finish) for all the exposed surfaces, including providing skirting 4" wide with 1.0mm thk laminate (IB - BLUE) on both sides to match with the adjoining partition and 4" wide border at top with 1.0mm thk laminate (IB - BLUE).customer top will be at 3 ' 9 " including thickness of the granite (19mm Thk) which will have machine polished edges 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)	Off	10	Rft		
ii)	Cash Table & gun Table	12	Rft		
ii)	Cash Table II	3	Rft		
4	TABLE				
	Manufacturing and placing in position of tables for Providing and fixing Currecy Sorting table to shape of overall size about 3'0" X 4'0" made of Stainless Steel base with comprising table top at two layers of 12mm thick toughened glass fixed with necessary patch fittings rate includes making the same good with necessary cutting, corner, edge polishing, making holes as necessary etc complete as per approved by Eng Incharge.				
a)	Shorting Table(6'0"X3'0"X2'6")	4.00	No		
5	STORAGE				
	Manufacturing and placing in position of side storage for SWC, officer & clerical staff using 19mm. thick plywood as shown in drawing. All the plywood edges shall have teak wood lipping & the inner surfaces shall be painted. The exposed surfaces shall be pasted with 1mm laminate with necessary grooves as per the drawing. Necessary hardware fittings like draw sliders, lock, handles etc., shall be provided.				
i)	Reception Hall	49	Sft		
ii)	Police Room	60	Sft		
iii)	Record & Dining	133	Sft		
6	Vertical Blinds:				
	Providing and fixing 100mm wide Vista Make or equivalent vertical blinds of approved make quality and colour shade and pattern. Rate shall include necessary scotch guard treatment on both side. The overlaps should be uniform and adequate	110.00	Sft		
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 drilling machine with suitable attachment. Finally the tapered and squared edges of the boards are jointed at finished to give a flushed finish</p>	1200.00	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				

CURRENCY CHEST - ELECTRICAL WORKS FOR INDIAN BANK (KUMBAKONAM ZONE)

ROUGH COST ESTIMATE AND BILL OF QUANTITIES

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
A	Supply&Installation&Commisioing of the following Main Panel Board				
1	Supply, erection, testing and commissioning of wall or Floor mounting, dust and vermin proof, bus bar chambers shell made of 14/16 SWG CRCA sheet, with powder coating, extendable on either sides MAIN SWITCH consisting of the following: Incomer: 160A 4P MCCB Input - 1 No. 100A bus bar R1 Y1 B1 voltage indication lamps etc. - 1 sets 1 Nos. 0-500V 96 sq.mm analog voltmeter, Ammeter with selector switch and required CT ciols Out Goings: 100A TPN 4 MCCB - 1 No (VTPN DB) 63A TPN MCCB - 4 Nos. (UPS, & PDB) 32A 2P MCB - 6 No (Cassette AC,SPARE)	Set	1		
B	Supply&Installation&Commisioing of the following				
1	8WAY VERTICAL TYPE DOUBLE DOOR DB				
	Three Phase, Vertical Distribution board				
	with nuetral 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 4P MCCB -1Nos				
	Outgoings:				
	63A TP MCB -3Nos				
	32/25A SP MCBs- 10Nos - A/C	Set	1		
2	LIGHTING DB(6 WAY TPN DB)				
	Three Phase, Phase Segrigated Distribution board				
	with nuetral 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- 18Nos	Set	1		

3	POWER DB(6 WAY TPN DB)				
	Three Phase, Phase Segregated 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 : 63A TPN MCB				
	Outgoings:				
	16/20A SP MCBs- 18Nos	Set	1		
4	COMPUTER DB(12WAY 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		
5	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	8		
	c)40A DP MCB	Set	2		
6	Supply&Installation of 32A Metal Clad Socket with				
	top in a specified company manufactured box with				
	suitable rating MCB for AIR CONDITIONS	set	14		
7	Providing and fixing 63A automatic phase shifter 3phase in single				
	phase out switch for 5kva UPS.	set	2		
	Providing and fixing 63A automatic phase shifter 3phase in				
	3Phase phase out switch for 5kva UPS.	Set	1		
8	Supply&Installation of 100A 4Pole Change over switch	set	1		
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&commisioing of 1100V grede UG				
	cable as per IS 7098/1554 (Finolex/ Universal)				
a	3.5Corex 95 Sqmm Aluminium Armored Main cable	Mtr	32		
b	3.5Corex50Sqmm Aluminium Armored VTPN DBcable	Mtr	12		
c	3.5Corex35Sqmm Aluminium Armored cable	Mtr	13		
d	3.5Corex25sqmm Aluminium Armored cable LDB	Mtr	30		
2	End Termination of the above cables with proper Glands				
	and Lugs				
a	3.5Corex 95 Sqmm Aluminium Armored cable	Set	2		
b	3.5Corex50Sqmm Aluminium Armored cable	Set	2		
c	3.5Corex35Sqmm Aluminium Armored cable	Set	2		
d	3.5Corex25sqmm Aluminium Armored cable		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	30		
	b) Two light Controlled by One Switch	pts	22		
	c) 6A Switch box Sockets in the switch board itself	Pts	10		
	d) Ceiling fan with regulator	Pts	6		
	e) wall bracket fan point (6A socket with 6A switch)	pts	15		
	f) Exhaust fan point	pts	4		
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	230		
	b) 3Runs of 2.5Sqmmcopper wire in PVC conduit for				
	Power points	Mtr	250		
	C) 3Runs of 2.5Sqmm copper wire in PVC conduit for				
	computer points	Mtr	300		
	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 A/C Wiring	Mtr	130		
	f) 4Runs of 6 Sqmm copper wire+4Sqmm copper				
	wire in PVC conduit UPS MAIN	Mtr	10		

	g) 4Runs of 10 Sqmm copper wire+ 4 Sqmm copper wire in PVC conduit UPS MAIN	Mtr	10		
	h) 2Runs of 10 Sqmm copper wire+ 4 Sqmm copper wire in PVC conduit UPS OUTPUT MAIN	Mtr	18		
	i)3Runs of 2.5 Sqmm copper wire in PVC conduit for Lights (UPS for hall, Cabin & Conf room)	Mtr	120		
E	POWER POINT OUTLETS				
1	Supply&Installation of 3 Nos of 6A Sockets controlled by 1of 16A Switches with front plate with enclosure and other accessories etc..(MK /ROMA)	Set	26		
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	30		
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	8		
4	Supply&Installation of 2 Nos of 16A Sockets controlled by 2of 16A Switches with front plate with enclosure and other accessories etc..(MK /ROMA)- Server,CCTV	Set	2		
F	LIGHTING FIXTURES				
1	Supply, Fixing & Commisioning of Recess mounting type compact vertical Flat Panel 34W LED 2'x2' fitting in Down Rods with white finish and other fixing accessories.	set	28		
2	Supply, Fixing & Commisioning of Recess mounting type compact vertical round shaped 18 W LED downlighter fitting with white finish and other fixing accessories.,	set	20		
3	Supply&Fixing of 4Feet LED 20 Watts Fiitings	Set	10		
4	Supply&Fixing exhaust fan	set	4		
5	Supply&Fixing & Commisioning of wall mounting fan with necessary Down Rods and with all fixing accessories.,	Set	15		
6	Supply&Fixing & Commisioning of 48" ceiling fan with necessary Down Rods and with all fixing accessories.,	Set	6		
7	Supply and fixing 10w LED Lamp for Toilet	Set	3		
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	60		
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	100		
F	TELECOMMUNICATION				
1	Supply&Laying of 2 Pair Telephone Cable within PVC				
	Conduit and its necessary accessories etc..	Mtr	120		
2	Supply&Laying of 50 Pair Telephone Cable within PVC				
	Conduit and its necessary accessories etc..	Mtr	42		
3	Supply&Installation of RJ II Jack with necessary Face				
	plate and Box for connecting telephone points	Set	35		
4	Supply & fixing of 40 pair KRONE Box with lock and key	Set	2		
	TOTAL				

CURRENCY CHEST - DATA CABLING WORKS FOR INDIAN BANK (KUMBAKONAM ZONE)

ROUGH COST ESTIMATE AND BILL OF QUANTITIES

	DATA CABLING	<u>Unit</u>	Qty	Rate	Amount
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	280		
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	8		
3	Supply and fixing of 1M Mounting Cord	Set	8		
4	Supply and fixing of 2M Mounting Cord	Set	8		
5	Supply&Installation of 24por cat6 SWITCH	Set	1		
7	Supply and installation of 24port cat 6 jack panel	Set	1		
8	Supply and installation of 12 U wall mounting rack	Set	1		
	TOTAL				

CURRENCY CHEST - AIR CONDITIONING WORKS FOR INDIAN BANK (KUMBAKONAM ZONE)

ROUGH COST ESTIMATE AND BILL OF QUANTITIES

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
I	CASSETTE AIR CONDITIONER				
1	Supply & Installation of 2 Tr Cassette type Air Conditioner 3 Star rated including copper tubing from indoor to out door unit and water drain pipe complete.(Make: Voltas / Blue Star / Carrier / Haier / Daikin / Hitachi)	No			
2	Installation Charge for Cassette AC	No			
3	Supplying & laying of Copper Pipe for 2 Tr Cassette Air Conditioners with suitable thickness of copper pipe. Rate includes fixing of foam&white tape (I/U to ODU location as per architect instruction)	Mtr			
4	Out door unit stand (if required)	No			
4	Supply and Installation of Outdoor Stand with necessary civil works	No			
5	Supply and laying of PVC Blue pipes for water drain from the indoor units.	Mtr			
6	Civil works like cutting AC hole,packing,drain pipe cutting and packing with mortar etc.	Ls			
	Airconditioning works Total:				