



**ESTIMATE FOR ELECTRICAL WORK -PUNJAB GRAMIN BANK, BRANCH – KHARAR , MOHALI**

S.N	Descriptions of items	QTY	Unit	Rate	Amount
1	<b>LIGHT &amp; FAN POINT ( 6 amp.)</b>	40	No's		
	P & L 6 amp lights, fans, plug & five pin multi socket etc point wiring 2 x 1.0 sq mm + 1x1.5 sq mm PVC Insulated multi strand copper conductor cable ISI mark in conduit or under false ceiling with modular switches in Ms box complete in all respect with inter connection with button holder.				
2	<b>16 AMP POINT</b>	4	No's		
	P & L 16 amp. modular switch & five pin multi socket with indicator complete with interconnections between switch & socket with wiring 2 x 4 sq mm + 1x 2.5 Sq mm PVC insulated multi strand copper conductor cable form panel to point in P.V.C pipe with MS box recess in wall connected with 32 amp MCB in the panel. (1 Manager, 1 Panty & 1UPS).				
3	<b>32 AMP WIRING FOR AC</b>	4	No's		
	P & F 32 amp. wiring 2 x 4 Sq mm + 1 x 2.5 Sq mm from panel to point of AC, wire shall be multi strand insulated by copper conductor cable .Point shall have one AC starter in nearest switch board, connected with DP MCB in the panel and controlled by 4 way isolator in the panel. Wiring shall be in wall & under ceiling in PVC pipe.				
4.	<b>PANEL TO UPS WIRING</b>	20	Mtr.		
	2 x 6 sq mm PVC insulated multi strand copper conductor cable & 1.75 sq mm ISI mark form panel to UPS including PVC conduit pipe/ false ceiling complete in all respect.				
5.	<b>COMPUTER POINT (1 for each computer)</b>	7	Nos.		
	Installation of computer points with 4 sockets and 1 switch with indicator including wiring with 2 x 1.5 mm + 1mm sq mm PVC insulated multi strand copper conductor cable in wall or under false ceiling with switches socket & box complete in all respect.				
6.	<b>TELEPHONE POINT</b>	2	Nos.		
	One Nos telephone jack, complete with interconnections Modular type ISI Mark including wiring with 2 x 0.51 sq mm copper with silver coated one pair PVC insulated sheathed twin core telephone wire ( for telephone) from main line to telephone jack in Ms box Recess in wall or under computer.				



7.	<b>CALL BELL : (Manager)</b> P & F electrical point wiring for call bell with 2 X 1.5 sq mm PVC insulated multi strand copper conductor cable of in PVC conduit pipe wiring providing bell ceiling rose or connector & 6 amp ding done bell.	1	No.		
8.	<b>TUBE LIGHT-LED ( On the walls)</b> P & F 22 watts tube light one in the cashier cabin and in the back portion complete set. The tube lights should Philips/ Bajaj/ Company. ( Strong Room )	1	No.		
9.	<b>LED -BULB</b> P & F 20 WATTS in the Strong Room, Stationary, Pantry, U.P.S. and Wash Room.	7	No.		
10.	<b>WALL FAN</b> P & F of 16" wall fan with necessary wiring and switches.	7	No		
11.	<b>CEILING LIGHT ( 36 watt LED)</b> P & F of 2'x2' sq LED lights of Crompton co. The rate includes the complete fitting of chowks, rods and wire i.e. complete job in all respects.	10	No's		
12.	<b>CEILING FAN WITH REGULATOR:</b> P & F of Ceiling FAN of Orient or Crompton greaves 48"	2	No's		
13.	<b>EARTHING FOR THE U.P.S &amp; DP PANEL (with guarantee of 10 years)</b> Supply & installation of earth stations with 600 x 600 x 3 mm thick. Copper plate electrode complete with 25 mm dia "B" class G.I. pipe for watering including funnel 30 cm masonry chamber with precast RCC cover complete with salt & charcoal filling ( as per IS : 3034 – 1987) incl. copper strips 25 mm x 3 mm thick. With copper base plate up to earth level 4.5 mtr. deep from earth level with complete wiring including 6 sq. mm copper wire form earth to UPS & panel.	1	No		
14.	<b>PANEL : (Anchor Company)</b> Supply & installation testing & commissioning of cubical type control panel made out with 16 SWG CRCA sheet duly painted with two coat of red oxide one coat of enamel paint complete with interconnections in such a way that when main supply, security and fire alarm system remain energized both supply i.e. PSEB and E/A supply complete in all respects comprising with following items:	1	No		
i)	125 amp. 4 pole MCCB for PSEB INCOMING SUPPLY.				
ii)	Kit Kats 100 amp. – 3 nos				



iii)	100 amp. 4 pole on load change over switch ( for selection of supply between E/A and PSEB)				
iv)	MCCB as required with isolator to control for direct supply without generator with 4 way isolator 63 amp. & 12 MCB for 6-32. For AC, power plug, ATM, sign board and fire alarm.				
v)	1 no., 4 way TPN for through generator supply, with 4 way isolator 63 amp. & 12 MCB for 6-32 amp. for AC, power plugs lights & fan and UPS.				
vi)	6 nos DP MCCB for UPS, sign board & AC, 1 nos 100 amp. Bus bars before generator & one no 100 amp. Bus bar after generator.				
vii)	VAF meter including 200/5 current transformer.				
viii)	3 no. indication lamp.				
16.	<b>UPS OUTPUT &amp; INPUT</b>	1	No's		
i)	Two DP 25 amp. Including box for input and output supply complete in all respect.				
ii)	8 way SPN distribution board double door with 6 nos MCB, 10 ka breaking capacity and 1 No 25 amp DP MCB ISI Mark ( for UPS output supply) in Ms cubical box of suitable size, necessary misc. hardware, knobs, rubber gas ket duly painted with low coats of red oxide one coat of enamel paint.				
iii)	P/F earth conducting with 8 nos copper wire earth pit to UPS panel.		Nil		
17.	<b>EXHAUST FAN</b>	1	nos		
	Exhaust Fans 12" Dia : 1400 rpm (Double ball bearing) Heavy duty Crompton Greaves/ Phillips.				
18.	<b>DOWN LIGHT</b>	8	nos		
	Providing & fixing 15 W LED recessed down lighter complete with all accessories in the ceiling including giving connections complete as required. Rate should include for all necessary supports for mounting the light fitting.				
19.	<b>AC COPPER PIPE</b>	120	rft.		
	Laying of AC copper pipe including cutting of walls and repair the same with the surface of walls. Copper pipe include 1/4" + 1/2 " & 3 core copper wire 2.5 sq.mm in 1/2" flexible pipe properly insulated complete in all respect. Copper pipe/ wire should not be more than 2'-0" in length near outer unit. Pipe should be of total line co.				
20.	<b>AC DRAINAGE PIPE</b>	40	rft.		
	Drainage pipe for AC 25 mm PVC pipe of supreme co. including fitting. Wall cutting and repair with cement mortar.				
A	<b>TOTAL</b>				



**ESTIMATE FOR DATA CABLING WORK**

**FOR PUNJAB GRAMIN BANK, KHARAR, MOHALI**

S.N	Descriptions of items	Qty	Unit	Rate	Amount
1.	Providing CAT 6E Cable (Make D- Link) With Labor including 2 set of wires from Hub to Main Outdoor.	80	Meter		
2.	Providing CAT 6E information out let single with face plate ( make D- link)	7	Nos.		
3.	Providing tow module PVC box for information outlet complete with Intel connection & SMB.	7	Nos.		
4.	Providing CAT 6E MOUNTING CORD 1 METER ( Make D- Link)	7	Nos.		
5.	Providing CAT 6E MOUNTING CORD 2 METER ( Make D- Link)	7	Nos.		
6.	24 port jack panel (make D- Link, HCL) with fitting complete in all respect.	1	Nos.		
7.	Charges for installation of Hub rack.	1	Nos.		
8.	P &F of U rack including fan and tray including punching of lane cable with I.O. & other end in jack panel	1	No.		
<b>B</b>	<b>TOTAL</b>				

Grand Total (A+B) Rs.....+.....=



**NOTE :-**

CONTRACTORS SHALL SUBMIT THE GUARANTEE OF 2'X 2' LED LIGHT, DOWN LIGHTS, FANS AND ALL 4'-0" TUBE & BLUBS. ALONG WITH HIS BILL. OTHERWISE NO BILL SHALL BE SANCTIONED THE BANK.

**LIST OF APPROVED MATERIALS & MANUFACTURERS**

S.N.	Description	Brand
1.	MCB's & DB's & ELCB	L & T, ABB, Schindler Electric, Crabtree, MK Electric, Legrand, North West or equivalent make.
2.	Switch, plug & Socket (Metal)	Anchor, ABB, Schindler Electric, Crabtree, MK Electric, Legrand, North West or equivalent make.
3.	Pipe (PVC) Conduit	Dip last, Avon, ISI mark, 2mm thick
4.	Tube light LED	Philips
5.	Wires & telephone cable	Finolex, Polycab, Havells, RR Kabel, Anchor, KEI or equivalent make.
6.	Ceiling Fan/Wall Fans	Crompton & Greaves, Havells, Bajaj, USHA, Orient or equivalent make.
7.	Spot light & light fittings	Philips, Havel's & Crompton
8.	Main Panel	Anchor
<b>Note:</b>		
1. GST extra as applicable.		
2. All the payments will be subject to provisions of TDS/TCS of Income Tax Act, 1961 as per applicable rates in force.		
3. Service Provider (Vendor) will be liable for all applicable taxes as may be applicable on said supply of goods and services to the Bank.		
4. If contractor shall use old material brought from old existing office. He Shall be paid only labour for the same.		
5. Before, starting the work, contractor shall have drawings from bank.		
6. Contractor shall not execute any work other than tender without written permission of owner or Bank		
7. Contractor shall complete the work within 3 weeks from the date of work allotted to him.		
8. In Case work is not complete within prescribed time, contractor shall penalized Rs. 1000.00 per day.		
9. Nothing shall be paid for circuit wiring. Rates include for circuit wiring.		
10. No extra work is allowed without written permission from the bank.		
11. All cabling, wiring should be under ground. No surface wiring should be there. Wiring should run in 1" or 1.5" dia PVC pipes. No extra payment will be paid to electrical contractor for cutting the walls and floors for conducting the PVC pipes and after that repair and finished with cement mortar as per existing site up to the complete satisfaction of the bank/ architect.		