

# **BILL OF QUANTITY FOR ELECTRICAL WORKS FOR INDIAN BANK KARWI BRANCH, CHITRAKOOT**

S.NO.	PARTICULAR OF ITEMS	QTTY	UNIT	RATE		PER	AMOUNT
				RS.	P.		RS. P.
1	SUPPLYING & DRAWING PVC SHEATHED , PVC INSULATED UNARMORED AL CABLE 1.1 KV GRADE AND 4 CORE 25 SQMM ALONG WITH 1 NOS. G.I. WIRE 8 SWG ON WALL/CEILING BY SADDLES AT SUITABLE INTERVAL AND TERMINATION OF CABLE AT BOTH ENDS BY PROPER SOCKET.	28	MTR			MTR	
2	SUPPLYING & DRAWING PVC SHEATHED , PVC INSULATED UNARMORED AL CABLE 1.1 KV GRADE AND 2 CORE 16 SQMM ALONG WITH 1 NOS. G.I. WIRE 8 SWG ON WALL/CEILING BY SADDLES AT SUITABLE INTERVAL AND TERMINATION OF CABLE AT BOTH ENDS BY PROPER SOCKET.	18	MTR			MTR	
3	Supplying and drawing 16x4 armoured AL cable	22	MTR			EACH	
4	SUPPLY& FIXING 100 AMP CUT-OUT FOR MAIN PANAL.	1	SET			EACH	
5	S/F 100 AMP MAIN SWITCH SIDE HANDLED . INCLUDING SUITABLE SIZE WIRE PROPER INCMING & OUTGOING CONNECTION	1	NO			EACH	
6	SUPPLYING, FABRICATION & INSTALLATION OF PANEL BOARD MADE BY 16 MM CRC SHEET 415 VOLT 3 PHASE COMPRISING OF FOLLOWING INCLUDING TERMINATION OF THE INCOMING & OUTGOING LINE BY PROPER SOCKET INTERCONNECTION NATURAL LINK & PAINTING INCOMING 160 AMP TPN MCCB.-1 NO A) 160 AMP CHANGE OVER 4 POLE - 1 NOS. B) 32 AMP SP MCB - 14 NOS. C) 63 AMP SPN MCB - 3 NOS. D) 100 AMP COPPER BUS BAR - 2 NOS. E) AMP METER ,VOLTMETER. FUSE,C.T. COIL ETC. F) 100 AMP MCCB 4 POLE 35 KA --01 NO. G) 63 AMP MCB DP --04 NO.	1	NO			EACH	
7	A.C. SUPPLYING & DRAWING POWER LINE BY 2X4 SQMM+1X1.5 SQMM FR PVC INSULATED COPPER WIRE BY 25 MM PVC PIPE PARTLY SURFACE PROPER SADDLING INCLUDING 32 AMP INDUSTRIAL SOCKET WITH 32 AMP SP MCB.	5	NOS			EACH	
8	SUPPLYING & DRAWING POWER LINE BY 2X6 SQMM+1X1.5 SQMM FR PVC INSULATED COPPER WIRE BY 25 MM PVC PIPE PARTLY SURFACE PROPER SADDLING	63	MTR			MTR	
9	SUPPLYING & DRAWING POWER LINE BY 2X4 SQMM+1X1.5 SQMM FR PVC INSULATED COPPER WIRE BY 25 MM PVC PIPE PARTLY SURFACE PROPER SADDLING	36	MTR			MTR	
10	SUPPLYING & DRAWING POWER LINE BY 2X10 SQMM+1X6 SQMM FR PVC INSULATED COPPER WIRE BY 25 MM PVC PIPE PARTLY SURFACE PROPER SADDLING	42	MTR			MTR	
11	Supplying and connection by 4 x 16 sqmm + 1x6 sqmm FRLSH PVC insulated copper wire between Main Switch and Panel by making proper end socketing including supplying 35mm pvc pipe.	16	MTR			MTR	
12	MAKING POINT WIRING FOR FAN & LIGHT BY 2X1.5 SQMM+1X1 SQMM FR PVC INSULATED SINGLE CORE COPPER WIRE BY SUITABLE SIZE PVC PIPE PARTLY CONCEALED & PARTLY SURFACE INCLUDING 6 AMP MODULAR SWITCH & SOCKET.						
13	A)SINGLE POINT CONTROLLED BY SINGLE SWITCH	64	NOS			EACH	
	B)PLUG POINT ON SWITCH BOARD INCLUDING 2X2.5 SQMM + 1X1.0 SQMM CIRCUIT WIRING SWITCH BOARD TO MCB DB EACH BOARD SEPARATE CIRCUIT	10	NOS			EACH	
14	SUPPLYING AND FIXING CONCEALAD TYPE FACTORY FABRICATED 1 PHASE 240 VOLT DOUBLE DOOR SPN MCB DISTRIBUTION BOARD 12 WAY WITH RCCB AS INCOMER AND 10 NO 16 AMP MCB SP AS OUT GOING COMPLETE WITH INTERCONNECTION WITH COPPER BUS & NATURAL & EARTH LINK.	2	NOS			EACH	

15	Supplying and fixing concealed type factory fabricated 3 phase 400 volt TPN MCB Distribution board 4 way per phase with 63 Amp TPN RCCB of 300 mA sensivity as incomer and 12 nos (6-25) Amp MCB SP as out going complete with interconnection with copper bus & neutral & earth link. ( A.C)	1	NOS	EACH	
16	SUPPLYING AND FIXING CONCEALAD TYPE FACTORY FABRICATED 1 PHASE 240 VOLT DOUBLE DOOR SPN MCB DISTRIBUTION BOARD 8 WAY WITH 40 AMP DP RCCB 300 MA AS INCOMER AND 6 NO 10 AMP MCB SP AS OUT GOING COMPLETE WITH INTERCONNECTION WITH COPPER BUS & NATURAL & EARTH LINK.	1	NOS	EACH	
17	RHS 4 WAY VTPN DB DOUBLE DOOR WITH 100 AMP MCCB 35 KA	1	NOS	EACH	
18	63 AMP ROTARY SWITCH FOR UPS	1	SET	SET	
19	SUPPLY AND INSTALLATION OF SAFE CHEMICAL EARTHING ELECTRODE 3 M DEEP WITH BFB COMPOUND IN COMPLETE	2	NOS	EACH	
20	DRAWING EARTH LINE WITH 6MM COPPER WIRE WITH 19 MM M.S. PIPE AND SADDLE,BUS BAR AS REQUIRED FOR PROPER COMPLETION OF THE JOB.	30	MTR	MTR	
21	SUPPLYING AND FIXING 1 NO. 6PIN 16/6 AMP SOCKET WITH CONTROLLING SWITCH OF MODULAR TYPE INCLUDING M.S. BOX. COVER PLATE AND TOP PLATE INCLUDING 2X 2.5 SQMM + 1X1.0 SQMM WIRING IN COMPLETE.	9	NOS	NOS	
22	SUPPLYING AND FIXING 1 NO. 6PIN 10/5 AMP SOCKET WITH CONTROLLING SWITCH OF MODULAR TYPE INCLUDING M.S. BOX. COVER PLATE AND TOP PLATE INCLUDING 3X 1.5SQMM SQMM WIRING IN COMPLETE.	8	NOS	NOS	
23	SUPPLYING & FIXING 4 NO. 3PIN 6AMP SOCKET & WITH 4 NOS CONTROLLING SWITCH IN SUITABLE SIZE BOARD FOR OUTLETS POINTS MODULAR TYPE INCLUDING 3X1.5 SQMM WIRING EACH WIRING SWITCH BOARD TO MCB DB SEPARATE	15	NOS	EACH	
24	SUPPLYING & FIXING 36 WATT PATTI TYPE LED FITTING	6	NOS	EACH	
25	SUPPLYING & FIXING LED PANEL 15 WATT COMPLETE AS PER DRAWING.	16	NOS	EACH	
26	S/F 40 AMP DP MCB FOR INPUT OUTPUT PLUS INVERTER	4	NOS	EACH	
27	SUPPLYING & FIXING RECESSED 2'x2' LED PANEL 40W AS PER DRAWING.	16	NOS	EACH	
28	SUPPLY AND FIXING 300MM WALL FAN	1	NOS	EACH	
29	SUPPLY AND FIXING EXHAUST FAN 300MM METAL BODY	2	NOS	EACH	
		GRAND TOTAL = RS.			

MATERIAL SPECIFICATION		
1	PVC insulated Copper Wire (FRLS grade)	Finolex/Polycab/Havels/RR Kabel/ KEI
2	Electric Cables	Havels/Gloster/ KEI
3	ELCB+ MCB or RCCB	L&T//Siemens/GE/ Havels/MDS/ Merlin Gerin/HPL
4	MCBs/MCCBs/DBs	L&T//Siemens/GE/ Havels/MDS/ Merlin Gerin/ HPL
5	Modular Switches/Sockets	Anchor Crabtree /M. K./ N W
6	PVC Conduit /Pipe	AKG/ Precision/Prestoplast/Asian
7	Earthing for Bldg. & UPS	Earth Electrode as per IS: 3043-1978 / Chemical Earthing
8	Telephone cable	Delton/ITL/Polycab/Finolex/ RR Kabel / KEI
9	Changeover Switch	KEW
10	Lugs	Dowells/Jainson/Equ.
11	Low Tension SFU with HRC fuse	L & T / Siemens
12	Metal Clad Socket	Siemens/MDS /Equ.
13	ELECTRICAL FIXTURES(FAN/EXHAUST/LED LIGHT FITTING)	CROMPTON/BAJAJ/HAWELLS/ORIENT/ WIPRO