

**TENDER FOR ELECTRICAL WORK OF BANK OF MAHARASTRA
AT NAWANSHAHR , PUNJAB.**

A ELECTRICAL WORK				
S.No.	DESCRIPTION	QTY.	UNIT	RATE
				(In Rs)
B ELECTRICAL				
1	<p>Main LT Panel Distribution Board consists of following:- Design, Manufacture, Supplying and Commissioning Main LT Panel MS 3' X 4'Distribution Board of 1.6mm thick MS sheet fabricated cubicle type with Danger Notice Board indicating sign (DANGER) in English, Hindi, Punjabi. , wall mounted fully recessed / partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming and outgoing connections with inter connections with copper tapes /wires consists of following:-</p> <p>(i) A cubical having 100 Amps TPN(Before bus bar) breaking current 20KA, 100 Amps TPN Bus Bar(Copper Tinned), voltmeter, ammeter & Digital power factor meter , three indicators, C.Ts. with selector switches & backup fuses (HRC type)</p> <p>(ii) 100 Amps 4 Pole Heavy duty on load change over switch-1 No.</p> <p>(iii) 63 amps 3 phase and neutral 6 way lighting D.B. with suitable rated 6/10/16 Amps SP MCB-15 Nos(for switch board wiring)., 32/40Amp DP MCB-2 Nos.(Spare)</p> <p>(iv) 63 Amps 3 phase & neutral 6 way power DB with suitable rated 32/40 Amps DP MCB-8 Nos. (7 for AC ckt 1 spare) 20 Amps SP MCB-5 Nos (4 nos for 16A plug point each separate wiring, 1 for glow sign)</p> <p>(v) 63 Amps FP ELCB-1 Nos. for LDB & 63 Amps FP ELCB-1 No. for PDB, ELCB of 30MA having 30 m Sec. Sensitivity (Complete as per technical specifications and including earthing of each Electrical equipment's)</p>	1.00	EACH	
2	4 way tpn DB	2.00	EACH	
3	4 WAY SPN DB	1.00	EACH	
1	<p>Light and Fan point Wiring Supply, installation, testing and commissioning of wiring with all the required material for the following points with fire Retardant PVC insulated copper wire of FINOLEX make flame guard quality multi stranded copper conductor 1.5 sqmm in concealed 25 mm diameter 2 mm thick PVC pipe inclusive of 6 amps ON\OFF modular type switch , 5 pin sockets 6 amps in PVC boxes and earthing by 1sqmm PVC insulated copper conductor (earth continuity conductor)</p>			
1.1	Light point controlled by 6 amps modular type switch.	60.00	EACH	

1.2	Wiring for 5Amp light plug points with 2x1.50+1.00 sqmm & PVC insulated copper conductor wire of 650/1100 volts grade with PVC insulated Copper earth wire in concealed / exposed PVC pipe,,including 5pin 5Amp Socket with modular switch with MS boxes with earthing the third points, including cutting chases and making good the surfaces wherever required.	10.00	EACH	
1.3	Light plug points(sockets) with light indication for wall\ bracket fans\Ex fan./	18.00	EACH	
1.4	Wiring including fan box, fan hook, electronic regulator and associated hardware .etc.	1.00	EACH	
2	6/16 Amps switch socket wiring.(Power Points) :-Wiring for Power circuit with 2x4 sqmm + 1x1.5 sqmm earth wire.(Max. 2 point at one ckt with 32 A MCB)			
2.1	With 4 sqmm PVC insulated copper conductor wire FINOLEX make flame guard quality with PVC insulated copper wire in concealed PVC pipe including 6 pin 16 amps socket with switch(ANCHOR ROMA)with PVC boxes with earthing the third point.	8.00	EACH	
2.2	Extra loop point 6/16 amps , 6 pin modular type switch with socket looped to other points.	3.00	EACH	
3	Fan			
3.1	Exhaust fan- Supply fixing and installing the 300 mm diameter single phase 230 volt AC exhaust fan for toilets complete with motor, capacitor fan assembly mounting and frame & louvers.	5.00	EACH	
3.2	Supply, fixing and installing the 56 inch diameter, 3 blade, 230 VAC, 50 Hz ceiling fan complete with the motor, starting capacitor, fan assembly, hang pipe, domes,(top & bottom) Regulator, Rubber bush, required hardwares etc. The work involved the assembly testing, installation from ceiling, connecting & commissioning of the fan at site.	1.00	EACH	
3.3	Wall/Brackets fan (Supply & Fixing) HAVELS with socket point	13.00	EACH	
4.1	Wiring for air conditioners points with 2x6 sqmm PVC insulated copper conductor wire of 650/1100 volts grade (FINOLEX make flame guard quality) with 2.5 sqmm PVC insulated copper earth wire in concealed PVC pipe with 3 way connector	8.00	EACH	
4.2	Metal clad Plug/Socket with 40Amps MCB for UPS I/P and O/P Points & outside Strong Room	10.00	EACH	
4.3	Call-bell point wiring including Ding-dong bell with 1.5 sqmm multi strand PVC copper wire including plate switches for Manager Cabin, & Outside Main Gate. with cal bell point .	2.00	EACH	

5	FIXTURE: Lighting Fixture Supply & Installation:Supply, unpacking, assembling, testing, fixing, connecting and commissioning the following luminaries required for internal wiring of the bank premises complete in all respect.			
5.1	Providing & Fixing Light fixture Make: Crompton18 W LED SQUARE DOWNLIGHTER , MODEL NO-LSDN-18-CDL, Wipro Make: 17 W recess mounted square LED downlighter (CRDL15R015HP60)	26.00	NOS	
5.2	Providing & Fixing 2'x2' LED Light fixture Make: Crompton (LCTLR-36-CDL)OR WIPRO Make: 38 W 2'X2' Recess mounted LED luminaire with complete PMMA diffuser WIPRO Make (CRCO10R038HP57)	17.00	NOS	
5.3	LED FOR COVE LIGHT	0	RFT	
5.4	T-5 led Tube lights for cash cabin & Record room Philips , Syska , Crompton make as per sepcified company in tender specification .	4	Nos.	
5.5	Halonix Inverter LED Bulb B22 9-Watt - White	7	Nos.	
6	Telephone Points:			
6.1	Wiring for Telephone points with 2 pair 0.61 mm Taped Copper wire with PVC pipe with 2 pin Telephone outlet (Anchor Roma) in modular type cover.	8.00	EACH	
6.2	MDF box 20 pair for Telephone/Lease & ISDN line.	1.00	JOB	
6.3	Providing and fixing 10 pair telephone cable outside branch to rack	30.00	mtr	
7	UPS			
7.1	Wiring for UPS points with 2 x 2.5 sqmm PVC insulated copper conductor wire 650/1100 Volts grade (FINOLEX make flame guard Quality) with required earth wire with concealed/exposed PVC pipe including making of all the connections Computer Socket board maximum 2 points on each circuit, supply & fixing in position with 4 Nos 5 amps 5 pin Sockets with 4 No 5A switch (Anchor Roma) with light Indicator & fuse 5A HRC Fuse	10.00	EACH	
7.2	6 way Double-Door TPN Distribution Board for UPS supply fitted with:- i. 63 Amps TPN ELCB -1No. ii. 40 Amps DPMCB -2 Nos. for UPS input supply iii. 32 Amps DPMCB -2 Nos. for UPS output (Gate & Ckts) iv. 16 Amps MCB -8 Nos.	2.00	EACH	

7.3	Extra Loop point 5 Amps 5 Pin Sockets with 4 Nos. 5A Switch looped to other points wiring for UPS circuit with 2x2.5 sqmm+ 1x1.5 sqmm earth wire with light indicator and 5A HRC fuse.	3.00	EACH	
8	EARTHING SYSTEM:			
8.1	GEL TYPE MAINTENANCE FREE EARTHINGS			
	Supply and installation of Terradyne GI 30mm dia 10 feet long electrode filled with hygroscopic, non corrosive Terasalt having breathing ports at top @ leaching ports at bottom with 2 bags of Terrafill. Rate should include bore-well, ready made chamber with cover of Alltec Corporation and all required civil and allied works			
a	ASH -19 Length 3000mm outer dia 46-50-GI Gel Earthing	2	nos	
b	ASH -50 Length 3000mm outer dia 60-63-CU Gel Earthing	1	nos	
9.0	SITC of engraved stainless steel earthing tag plate 150x 150 sqmm to be fitted near respective earthing pits indicating pit no. user, type of earthing	3	nos	
	Supply, installation, testing, commissioning of copper earth wire / GI strip fixed to wall / side of / column / beam / shaft with 5 mm. Thick GI spacers and 2mm. Thick saddles or in ground at 750 mm below including excavation in all types of soil / rock with protective baked brick, temporary reinstatement and back filling of trench, interconnection of earth strip / wire with G.I. nut bolts and washer and solder jointing , painting with two coats of black bituminous compound for earth wire / strip in ground and green enamel paint for earthwire / strip on surface, etc. all as per drawing, specifications and as per the instructions of Consultants / Architects.			
9.1	25 x 6 mm Copper strip from Earthing Pit to GROUND BUS /DG/ TX/ AND N-POINT.	40	Rmtr	
9.2	50x6 mm GI strip from Earthing Pit to HTROOM/VCB/ GOSW/ DG/TX/BODY .	60	Rmtr	
10	CABLES			
10.1	Main Supply Wiring with 4x25 mm ² Flame proof PVC Copper Wires	50.00	MTR	
10.2	Generator wiring with 4x25mm ² Flame proof PVC Aluminium Wire	75.00	MTR	
10.3	Glow Sign Board pt. Wiring:- 2 x 4 sqmm + 1 x1.5sqmm multi strand PVC copper wire in PVC Pipes with 32 Amps MCB and one power point with timer Quartz & Contractor complete.	2.00	EACH	

11	ICTP Switch for receiving 3 Phase & Neutral Supply 100 Amps(Main Supply PSEB)	1.00	EACH	
12	2x4 Way Double-Door Single Phase MCB Box HAVELL's make fitted with:- (i) 63 Amps TPNMCB-1 No. (ii) 32 Amps DPMCB-2 Nos. to be installed at the main Gate of Bank Premises to switch off main Supply for light and Power & UPS Supply (output) except Router & Camera. Complete wiring for main Supply and UPS Supply MCB's with 4x6 sqmm+ 1x2.5 sqmm separately for both supplies are required.	2.00	EACH	
13	Providing and fixing UPS sub main wiring 4X6 sq mm from panel to UPS db	20.00	mtr	
14	Providing and fixing sub meter in ATM	1.00	nos	
15	Supply installation ,testing ,and commissioning of servo controlled 3 phase and neutral 50 Hz. Ac 40 kva voltage stabilizer for 3 phase unbalanced loads in SS enclosure complete with wiring of size 4x10 sq. mm flame proof copper wires with MS angle iron fabricated frame complete in all respects to the entire satisfaction of the architect		nos	
SUB-TOTAL				

