

BOQ ELECTRICAL & ALLIED WORKS FOR CANARA BANK BRANCH & ATM AT PUSAD DIST . YAWATMAL MAHARASHTRA					
SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT
A	MAIN PANEL / DISTRIBUTION BOARDS / MCCBs :-				
	Supplying , Installing Testing & Commissioning of LED Indicator ( Red Blue Green & Yellow colour ) for showing the Power ON/ Off position in Branch Light / Raw Power (1) , AC (1) , UPS OUT POWER SUPPLY (1) , INVERTER OUT POWER SUPPLY (1) . All indicators which needs to by off will be placed in one line and all indicator which needs to be off must be in other line . Marking of the Indicators to be done suitably.	Nos.	5.00		
1.1	Mains MCCB's				
	Supplying & Installing 100A, FP MCCB in Sheet Steel Enclosure, complete with Gland Box etc ( For disconticting Main Power Suply in Branch except UPS Charging and ATM Power supply and Glow Sign Board )				
	a. 100 A FP MCCB 16kA	Nos.	1.00		
	b. Sheet steel Enclosure Box for FP MCCB	Nos.	1.00		
1.2	Supplying , Installing Testing & Commissioning 40 A, DP MCB in Sheet Steel Enclosure, complete with Gland Box etc( To be installed at gate/Main Entrance to disconnect the UPS Power supply & Inverter Output Power supply the Branch )	Nos.	2.0		
1.3	Supply , Installation, connection of 200Amp Kit kat Fuse unit 3 nos with 200 Amp neutral link on wooden board (3' x 3') complete in all respect as required.	Nos.	1.00		
1.4	MCB DISTRIBUTION BOARDS				
	ELECTRICAL PANEL: Design, manufacture, providing, storing & installing in position, effecting proper connection, testing and commissioning of panel made of 14 SWG, CRCA sheet steel. It shall be dust and vermin proof. It shall have compartmentalized construction with bus bar chambers, cable alley, cable glands plate etc. as required, duly painted from inside as well outside. It shall have the following - Incomer :1 No. 100 Amp. TPN, MCCB (16 KA breaking capacity), Busbars.:150 Amp., 3 phase, 4 strips, 415 volts, 50 Hz. copper busbars with colour coded PVC heat shrinkable sleeves. Instruments. Multi function Meter : for Voltage, Ampere, Power factor, KWH, Data 1 No. with CT 75/5 Outgoing. 0 Nos. 100 Amp ,16KA, TPN MCCB ( For AC VRF input and spare feeder ) 3 Nos. 63 Amp TPN,MCCB ( For AC DB, Light / PDB , input and spare feeder ) 0 Nos. 40/63 Amp. TPN, MCB (For and Spare Feeder) 2 Nos 10 /16/32 Amp 10KA DP MCB.(for Glow Sign board and Strong Room Lighting, spare feeder ) The design of panel should be got approved by the Architect before manufacturing.The job shall be completed, to the satisfaction of the Bank Engineer/Architect.	Nos.	1.00		
1.5	SITC VTPN Power DB, (UPS, ,INVERTER , ATM DB, Glow Sign Board Power Supply ) complete in all respect as required				

	<b>4 way VTPN - DB</b>	Nos.	1.00		
	<b>100 A - 1 no. - 16kA TP MCCB as incomer</b>	Nos.	1.00		
	<b>63 A -TPN, MCB 3 no.</b>	Nos.	3.00		
	<b>40/24A DP MCB -2Nos</b>	Nos.	2.00		
<b>2.1</b>	<b>SITC DB</b>				
a)	<b>4 way TPN DB, as AC DB</b>	Nos.	1.00		
	<b>40 A - 1 no. - TPN MCB</b>	Nos.	1.00		
	<b>6/10/16 A - 12 no. - SP MCB outgoing</b>	Nos.	12.00		
	<b>SITC of Lighting &amp; Raw Power DB</b>				

b	4 way TPN DB, as Lighting & RAW POWER DB	Nos.	1.00		
	40 A - 1 no. - TPN MCB	Nos.	1.00		
	6/10/16 A - 12 no. - SP MCB outgoing	Nos.	12.00		
c	4 way TPN DB, as ATM DB	Nos.	1.00		
	63 A - 1 no. - TPN MCB	Nos.	1.00		
	40 A TPN A - 1no. - MCB outgoing	Nos.	1.00		
	16/20/25/32 A - 8 no. - SP MCB outgoing	Nos.	8.00		
2.3	UPS input / output DB's Branch&ATM				
a.	SITC 4 way - MCB Box, for UPS Input				
	Sheet steel Enclosure Box for FP MCB	Nos.	2.00		
	63 A - FP MCB :- 1 nos.	Nos.	2.00		
b.	SITC 2 way - MCB Box, for UPS Output Branch&ATM				
	Sheet steel Enclosure Box for FP MCB	Nos.	2.00		
	63 A - DP MCB :- 1 nos.	Nos.	2.00		
b.1	SITC 2 way - MCB Box, for Inverter Input / Output				
	Sheet steel Enclosure Box for FP MCB	Nos.	2.00		
	40 A - DP MCB :- 1 nos.	Nos.	2.00		
b.2	SITC 12 way SPN-INVERTER DB				
	12 way SPN-DB, as Inverter O/p DB	Nos.	1.00		
	40/63 A - 1 no. - DP MCB	Nos.	1.00		
	10/16/20 A - 10 nos. - SP MCB outgoing	Nos.	10.00		
	Blank Plates - 2 nos	Nos.	0.00		
c.	SITC 8 way SPN-UPS OUTPUT MASTER DB				
	8 way SPN-DB, as UPS O/p DB	Nos.	1.00		
	40/63 A - 1 no. - DP MCB	Nos.	1.00		
	40/20 A - 2 no. - DP MCB	Nos.	2.00		
c.	SITC 8 way SPN-UPS OUTPUT DB (CCTV/FA/BA/DATA RACK/ATM)				
	8 way SPN-DB, as UPS O/p DB	Nos.	1.00		
	40/63 A - 1 no. - DP MCB	Nos.	1.00		
	10/16/20 A - 6 nos. - SP MCB outgoing	Nos.	6.00		
	Blank Plates - 2 nos	Nos.	0.00		
d.	SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )				
	12 way SPN-DB, as UPS O/p DB	Nos.	1.00		
	40/63 A - 1 no. - DP MCB	Nos.	1.00		
	10/16/20 A - 10 nos. - SP MCB outgoing	Nos.	12.00		
	Blank Plates - 2 nos	Nos.	0.00		
2.4	SITC DP / FP MCB with Weather proof Metal Enclosure, for Cassette AC Units				
a.	Weather Proof Enclosure Box for DP MCB	Nos.	3.00		
	40 A - 1 no. - DP MCB, for AC	Nos.	3.00		
b.	Weather Proof Enclosure Box for FP MCB	Nos.	0.00		
	40 A - 1 no. - FP MCB, for AC	Nos.	0.00		
2.5	A.C. point- wiring with 2 X 4 sq. mm copper conductor & 1 X 2.5sq. mm copper conductor form AC DB to AC point in 16 swg PVC conduit with 10/ 20/25 Amp MCB, Metalic Plug & Socket DB complete in all respect Indoor / OutDoo (1TR & 1.5 TR AC ) (Anchor/Havells/Legrand make )	Nos.	4		
2.6	A.C. point- wiring with 2 X 6 sq. mm copper conductor & 1 X 4 sq. mm copper conductor form AC DB to AC point in 16 swg PVC conduit, 20/25 Amp Metalic Plug & Socket DB complete in all respect Indoor / OutDoor (2TR AC)	Nos.	3		
	Rate in words :-				

d.	SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )				
	A. TOTAL OF MAIN PANEL / DB's / MCCBs :-				
B	CABLES & TERMINATIONS				
	Supply and Laying of following LT cables confirming to IS 1554 (part 1) with necessary M.S. clamps. All such cables shall be provided with temporary labeling at every 20 mtr. & then finally with metal identification tags showing the size & the location from/to the specific panel/DB; at both the ends.				
1	Aluminium Armoured Cables				
a.	3 1/2 C x 50 Sq.mm Aluminium AYFY Armoured Cables,	Rmt	50.00		
	Rate in words :-				
b.	3 1/2 C x 70 Sq.mm Aluminium AYFY Armoured Cables, <i>from MSEB Meter Mains to Mains Power Panel</i>	Rmt	0.00		
	Rate in words :-				
2	Copper Armoured Cables				
a.	2C x 2.5 Sq.mm Copper YFY Armoured Cables,	R.O.	0.00		
	Rate in words :-				
a.	2C x 4 Sq.mm Copper YFY Armoured Cables, <i>from Mains Power DB to all Split &amp; Cassette AC's</i>	Rmt	70.00		
	Rate in words :-				
b.	2C x 6 Sq.mm Copper YFY Armoured Cables, <i>from UPS o/p MCB to UPS o/p DB</i>	Rmt	40.00		
	Rate in words :-				
c.	2C x 10 Sq.mm Copper YFY Armoured Cables,	R.O.	0.00		
	Rate in words :-				
d.	2C x 16 Sq.mm Copper YFY Armoured Cables,	R.O.	0.00		
	Rate in words :-				
e.	4C x 6 Sq.mm Copper YFY Armoured Cables, <i>from Mains Panel to Power DB, LDB, UPS INPUT</i>	Rmt	60.00		
	Rate in words :-				
f.	4C x 10 Sq.mm Copper YFY Armoured Cables, <i>from Mains Power Panle to AC MCB,</i>	Rmt	35.00		
	Rate in words :-				
g.	4C x 16 Sq.mm Copper YFY Armoured Cables, <i>from Mains Power DB to AC DB,</i>	Rmt	0.00		
	Rate in words :-				
3	Terminations				
	Preparing terminations of all the above mentioned armored cables using Siemens type double compression, chrome plated brass cable glands & crimp type tin copper lugs. Bimetallic lugs are to be provided wherever two different type conductors are present, Insulation tape etc. as required complete with earthing of glands.				
a.	3 1/2 C x 70/50/35 Sq.mm Aluminium AYFY Armoured Cables	No	4.00		
	Rate in words :-				
b.	2 C x 16/10/6/4 Sq.mm Copper YFY Armoured Cables	No	4.00		
	Rate in words :-				
c.	4 C x 16/10/6 Sq.mm Copper YFY Armoured Cables	No	6.00		
	Rate in words :-				
4	Flexible cables				
	Supplying & laying following size of 1.1 KV grade PVC insulated flexible copper cables through the <b>Metalic Flexible Pipe</b> neatly clamped where ever required using Spacer plates, GI saddles, including fixing with PVC / Brass glands and termination of cables using suitable crimp type tin copper lugs at both ends.				
a.	4 C x 10 sq.mm. Cu flexible cables, <i>for UPS Input MCB to UPS terminal</i>	Rmt	15.00		
	Rate in words :-				
b.	2 C x 10 sq.mm. Cu flexible cables, <i>for UPS Output MCB to UPS terminal</i>	Rmt	5.00		
	Rate in words :-				
c.	3 C x 2.5 sq.mm. Cu flexible cables, <i>for Signage</i>	Rmt	30.00		
	Rate in words :-				

d.	SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )				
<b>B. TOTAL OF CABLES &amp; TERMINATIONS</b>					
C	POINT WIRING				
1	POWER POINTS				
	SITC of following concealed Power Point Wiring using 1100V grade 3C x 2.5 sq.mm. PVC insulated, PVC Sheathed White Colored flexible copper cable, laid through 20mm / 25mm size MMS Grade, PVC conduits. All cabling / conduiting below false ceiling shall be concealed. Each circuit feeding not more than 3 Tables / Work STations). The rate shall include cabling including conduit cost from DB to mentioned Power Points. <b>(No sepearate measurements for circuit wiring &amp; PVC Conduits)</b>				
a.	<b>Primary UPS points</b>	No	10.00		
	Rate in words :-				
	Supplying & Installing <b>Primary UPS or Stabilized Power points</b> on workstations / tables for computers using <b>3C x 2.5 Sq.mm PVC sheathed white color flexible copper cable pulled through 25mm size MMS Grade PVC conduites</b> , laid on surface above false ceiling and taken upto table top using 25/20 mm size MMS Grade PVC rigid or flexible conduits run within wooden or metal partitions.				
	Each point consisting of <b>3 Nos of 10 A 5 Pin Modular sockets controlled by 1 No 20A Modular switch</b> , wired together forming one point. Earth wire to be of Green colour only. <b>Switch should be above table top &amp; sockets should be below table top</b>				
	<b>Only 3 tables served by one circuit from UPS DB.</b> The Rate should be including the cost of Conduits, Cables, Switch boards, internal looping wires, necessary Gang Box, PVC box, Modular Plates of other color, Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc. All Switch Boards should be Properly numbered for identifications.				
b.	<b>Secondary UPS points</b>	No	6.00		
	Rate in words :-				
	Supplying & Installing <b>Secondary UPS or Stabilized Power points</b> on workstations / table for computers using 3C x 2.5 Sq.mm PVC sheathed white color flexible copper cable pulled through 25mm size MMS Grade PVC conduites, laid on surface above false ceiling and taken upto table top using 25/20 mm size MMS Grade PVC rigid or flexible conduits run within wooden or metal partitions.				
	Each point consisting of <b>3 Nos of 10 A 5 Pin Modular sockets controlled by 1 No 20A Modular switch</b> , wired together forming one point. <b>Switch should be above table top &amp; sockets should be below table top</b>				
	<b>for 2 table served by the same circuit from adjascent Primary point.</b> The Rate should be including cost of Cable, Switch board internal looping wires, necessary Gang Box, PVC box, Modular Plate of other color , Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc. All Switch Boards should be Properly numbered for identifications.				
c.	<b>Primary 10/20 A power points, for Pantry / Hot Plate / Water cooler etc</b>	No	4.00		
	Rate in words :-				
	Supplying & Installing <b>Primary 10/20 A Power Socket points</b> using 2 X 4.0 Sq.mm. + 1 X 1.0 Sq.mm. PVC insulated multistanded FRLS Grade flexible copper wires (with proper color code) pulled through haevy gauge PVC conduits.				
	Each point consisting of <b>1 Nos of 10/20 A Modular sockets controlled by 1 Nos of 20A Modular switch</b> , wired together forming a point. Earth wire to be of Green colour only.				
	Only 2 Sockets served by one circuit taken from POWER DB				
d.	<b>Secondary 5/15 A power points, for Pantry / Hot Plate / Water cooler</b>	No	3.00		

<b>d. SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )</b>					
Rate in words :-					
Supplying & Installing <b>Secondary 10/20 A Power Socket points</b> using 2 X 2.5 Sq.mm + 1 X 1.0 Sq.mm PVC insulated multistandard FRLS Grade flexible copper wires (with proper color code ) pulled through haevy gauge PVC conduits.					
Each point consisting of <b>1 Nos of 10/20 A Modular sockets controlled by 1 Nos of 20A Modular switch</b> , wired together forming a point. <b>Switch should be above table top &amp; sockets should be below table top</b>					
The circuit should be taken from another Primary 15 A Power Socket Point only, whose circuit taken from LDB / AC DB					
<b>2 LIGHT POINT WIRING</b>					
SITC of following concealed point wiring using 1100V grade 3C x 1.5 sq.mm. copper conductor PVC insulated FR wires (with proper R,Y,B colour code) pulled through 25mm / 20mm Size, MMS Grade PVC conduits. All wiring below false ceiling shall be concealed. The wires from ceiling junction to light points shall be drawn in flexible PVC conduit with adaptor & cover for junction box & crimp type lugs at both ends. Each circuit feeding not more than average 12 points (800 watts). The rate shall include circuit wiring (2C x 2.5 sq.mm. + 1C x 1.0 sq.mm.) from Lighting DB to switchboard and to the fixtures. <b>(No seperate measurements for circuit wiring &amp; PVC Conduits)</b>					
<b>a. Primary Light points</b>	No	50.00			
Rate in words :-					
SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring.					
<b>b. Secondary Light points</b>	No	15.00			
Rate in words :-					
SITC 5A Secondary light points looped from primary light point. All MCB controlled light points will be considered as secondary light points.					
<b>c. Primary 5 A socket points</b>	No	5.00			
Rate in words :-					
SITC <b>Primary 5 A Socket points</b> using circuit wiring (with proper color code) pulled through medium gauge PVC conduits.					
Each point consisting of <b>1 Nos of 5 A sockets controlled by 1 Nos of 6A switch</b> , wired together forming a point with Green colour Earth wire.					
a) for Wall Fans .....04 nos					
b) for any other similar equipments .....01 nos					
<b>d. Secondary / Separate 5 A socket points (other than on Board plug points)</b>	No	7.00			
Rate in words :-					
SITC <b>Separate Secondary 5 A Socket points</b> using circuit wiring (with proper color code) pulled through medium gauge PVC conduits. These points should be looped from the nearest Lighting Switch Board or from Primary 5A Socket Points.					
Each point consisting of <b>1 Nos of 5 A sockets controlled by 1 Nos of 6A switch</b> , wired together forming a point with Green colour Earth wire.					
a) for Wall Fans					
b) for any other similar equipments					
<b>e. Secondary 5 A socket points (on Board plug points)</b>	No	12.00			
Rate in words :-					
SITC <b>Secondary 5 A Socket points</b> using circuit wiring (with proper color code) pulled through haevy gauge PVC conduits. These points are installed on the Lighting Switch Board.					
Each point consisting of <b>1 Nos of 5 A sockets controlled by 1 Nos of 6A switch</b> , wired together forming a point. Earth wire to be of Green colour only.					

	<b>d. SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )</b>				
	<b>f. Exhaust fan points</b>	No	4.00		
	Rate in words :-				
	SITC Exhaust fan point consisting of 5A socket near fan and switch on light switch board				
	Each Exhaust Fan operated on seperate switch, Rate should be including the cost of 5 A 3 pin Plug top, Connecting cord & Mounting Plates				
	<b>g. Ceiling fan points</b>	No	12.00		
	Rate in words :-				
	SITC Ceiling Fan point operated on seperate switch shall be Controlled by 2 Module, Step type Fan regularator, Rate should be including the cost of Fan hook, Suspending suitable fan rod, Connecting cord and Step type Fan Regulator				
	<b>h. Bell points</b>	No	2.00		
	Rate in words :-				
	SITC Bell point consisting of 5A Modular Bell switch & Suitable Bell, ( Bell switch to be installed in Manager Cabin and in Strong room. The Sound of both the bells should be different )				
	<b>C. TOTAL OF POINT WIRING</b>				
	<b>D FIXTURES</b>				
	SITC of following concealed / surface mounted fixtures of makes as specified with all fixture accessories like suitable tubes/ bulbs/ ballast & internal wiring etc. The contractor has to assemble & install the said fixtures at position with necessary hardware required for installation like S-hook, chain link etc. as per requirement.				
	<b>1 LED tube lights</b>	No	15.00		
	Rate in words :-				
	SITC 1200/600 mm Long Surface/Wall Mounted extruded Aluminium channels, with 22 w / 11 w LED Tube light fixtures complete				
	<b>Model</b> : BN021 LED25S 6500 PSU GR S1,				
	<b>Make</b> : Crompton <b>Model</b> : Linea LDLL20-CDL, LDLL20-WW				
	<b>Make</b> : Wipro, <b>Model</b> : Garnet D532065, D552065				
	<b>Make</b> : Havells <b>Model</b> : E-Lite LED Pride Pus LHEXBLP7PN1W020				
	<b>3 18 w Down lighter with LED</b>	No	15.00		
	Rate in words :-				
	SITC 18 w White Powder Coated Housing LED Round / Square Down Lighter with High Efficiency LEDs & Ballasts				
	<b>Make</b> : Philips, <b>Model</b> : DN193B LED12S-6500 PSU WH S1				
	<b>Make</b> : Crompton, <b>Model</b> : Star Dura LSDRSD-18W-CDL/ NW/ WW,				
	<b>Make</b> : Wipro, <b>Model</b> : Garnet Wave D541565, Infinity Wave DG11565, DG12065				
	<b>Make</b> : Havells, <b>Model</b> : Fazer Neo LHEBMCP7IW1W015, LHEBMCP7IW1W020				
	<b>4 600 x 600 mm square LED panel fittings</b>	No	12.00		
	Rate in words :-				
	SITC 36 / 40 w LED Panel of 600mm X 600mm size, Square, Powder coated Recess mounting LED Light Fitting				
	<b>Make</b> : Philips, <b>Model</b> : RC380B G2 LED28S / RC140B G2 LED31S-6500 PSE OD WH				
	<b>Make</b> : Crompton, <b>Model</b> : LCTLR-36-CDL 36 w, LCPL-36-TL(2X2)				
	<b>Make</b> : Wipro, <b>Model</b> : Gartnet D424065, D414065 CRCO10R038HP57				
	<b>Make</b> : Havells, <b>Model</b> : Venus Neo PLR36WLED865PO, Plano PLR42WLED865S				
	4.1 Profile light 6000k in Canara Bank Logo 75mm0x750mm fixed to ceiling. Complete	No	0.00		
	<b>5 Fans</b>				

<b>d.</b>	<b>SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )</b>				
	Supplying & Installing following mentioned Aluminum, medium duty, powder coated with glossy color Ceiling Fans / Wall Fans / Exhaust Fans with necessary clamps hook, bracket, hardware etc				
<b>a.</b>	SITC 1200 mm sweep Ceiling fans Complete with Mounting rod, Clamps, Locking pin etc. (Color -White / Ivory / Brown)	No	12.00		
	Rate in words :-				
<b>b.</b>	SITC 400 mm sweep Wall fans (Color -White / Ivory)	No	2.00		
	Rate in words :-				
<b>c.</b>	SITC 250mm sweep Exhaust fan of decorative Metal body & blade with louvers on the outside (Color-white / ivory / brown / black)	No	4.00		
	Rate in words :-				
	<b>D. TOTAL OF FIXTURES</b>				
<b>E</b>	<b>EARTHING SYSTEM</b>				
<b>1</b>	<b>Plate Earthing</b>				
	S & I of Earthing Pit / Earth Electrode Station into the true ground level by using GI / Copper Plate type earthing with necessary excavation in soft soil, including Pouring Charcoal & Salt ( Approximately ) 50kg each per Pit with Predrilled 50mm dia B class GI Pipe-2.5 Mtr In length, GI Funnel with wiremesh, 35 x 5mm GI/Cu Earthing Strip, Complete job with necessary construction of appropriate sized Earthing PIT masonry Chamber with providing CI hinged chamber cover, Nutbolts, Earthing Testing Link, Hardware, Numbering of Chamber by using water proof paint. For more details refer IS 3043-1987 Brazing for Cu & Welding for GI Plate to pipe & Strip shall be done with coating by anti-corrosive paint				
<b>a.</b>	<b>GI Plate earthing.</b>	No	2.00		
	Rate in words :-				
	GI earthing pit made up of 600 x 600 x 6 mm thick, Hot dipped galvanized electrode including 25 x 5 mm the. GI strip.				
<b>b.</b>	<b>CU Plate earthing.</b>	No	2.00		
	Rate in words :-				
	Copper earthing pit made up of 600 x 600 x 3 mm thick, copper electrode including 25 x 5 mm Copper strip.				
<b>2</b>	<b>Earthing Wires</b>				
	SITC of insulated copper earthing wire laid through 20 mm PVC conduits from separately made earth pit to the equipment in following sizes				
<b>a.</b>	<b>12 SWG cu bare wire for AC's &amp; DBs</b>	Rmt	150.00		
	Rate in words :-				
<b>b.</b>	<b>25mm x 5 mm thick GI strip</b>	Rmt	25.00		
	Rate in words :-				
<b>c.</b>	<b>Single core, 6 sqmm FRLS</b> PVC insulated multi threaded, flexible copper cable laid through 20 mm size, MMS Grade PVC Conduites	Rmt	25.00		
	Rate in words :-				
<b>3</b>	<b>Main Earth Bus</b>	No	2.00		
	Supplying & Installing of Main bus for isolated earth comprising of 200mm x 40mm x 6mm thick copper bar fixed on insulated support and having 20 nos of holes and nut bolts studs for clamping the earth leads,all contained in MS/PVCbox of size 300mm x 200mm x 50mm deep and having transparent acrylic inspection cover as approved by Bank / Architect.				
	Rate in words :-				
	<b>E. TOTAL OF EARTHING SYSTEM</b>				



d.	SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )				
F.	TELEPHONE / VOICE CABLING AND OUTLETS				
1	Telephone points	No	7.00		
	Rate in words :-				
	Providing and laying 2 Pair Grey Color 0.5mm Tinned Cu , PVC insulated cable for Telephone / Voice, laid through 20 / 25 mm size, MMS Grade PVC Conduites and Supplying & terminating with RJ-11 Telephone Jack / Outlet with face plates in suitable modular PVC / MS box from EPABX / Krone Tag Box to the work stations and terminate the other on a 10 pair Krone module installed in a Krone Tag box, complete with numbering of each cable with Ferule and Telephone Connection Chart <b>(No seperate measurements for PVC Conduits)</b>				
2	Telephone cables				
	Providing, laying and connecting PVC insulated copper telephone cable, laid through laid through 20 / 25 mm size, MMS Grade PVC conduites of following sizes including termination. <b>(No seperate measurements for PVC Conduits)</b>				
a.	10-pair x 0.5 mm size Telephone cable, for MTNL / BSNL mains	Rmt	0.00		
	Rate in words :-				
b.	20-pair x 0.5 mm size Telephone cable, for Floor EPABX lines interconnections	Rmt	35.00		
	Rate in words :-				
3	Telephone krone tag box				
	Providing and fixing of 20 pair Krone Tag box / 10 pair Krone type connector module housed in a Powder coated GI box with lockable cover of suitable size including termination complete with numbering of each cable with Ferule and a Telephone Connection chart.	No	1.00		
	Rate in words :-				
	<b>F. TOTAL OF TELEPHONE SYSTEM</b>				<b>0.00</b>
G	DATA CABLING SYSTEM				
1	Data points	No	12.00		
	Rate in words :-				
	Supplying and laying D-Link / Molex / Awaya / Amps make, Cat 6 cable for Data, laid through 20/25 mm size, MMS Grade PVC conduites and providing & terminating with RJ-45 Information Outlet Ports with face plates in suitable modular PVC / MS box from Server Rack/ Patch Panel/ Data Switch to individual work stations & terminating other end with RJ-45 connector including numbering with ferule <b>(No seperate measurements for PVC Conduits)</b>				
2	Supplying & laying Cat-6, RJ-45, 1 m. length Data Patch Cords,	No	12.00		
	Make : D-Link / Molex / Awaya				
	Rate in words :-				
3	Supplying & laying Cat-6, RJ-45, 2 met length Data Patch Cords,	No	12.00		
	Make : D-Link / Molex / Awaya				
	Rate in words :-				
4	Patch panel				
a.	Supplying and Installing D-Link make, preloaded, Cat-6, RJ-45, 16 Port Patch Panel, complete with terminations & numbering with ferule	No	0.00		
	Rate in words :-				
b.	Supplying and Installing D-Link make, preloaded, Cat-6, RJ-45, 24 Port Patch Panel, complete with terminations & numbering with ferule	No	1.00		

	<b>d. SITC 12 way SPN-UPS OUTPUT DB (UPS POINT FOR COMPUTER )</b>				
	Rate in words :-				
<b>5</b>	Supplying & Installing D-Link / HCL / iBall make <b>12-U Networking Wall mounting rack</b> , complete with following mentioned accessories	No	1.00		
	* 2U Horizontal Cable Manager				
	* Power Distribution Unit / Power Strip of 6 Sockets				
	* Cooling Fans				
	* Cantilever Trays / Shelves				
	* Hardware Packet				
	Rate in words :-				
<b>6</b>	Labour Chrges for Removing, Shifting, Refitting & Re installing the Data Networking Rack, properly, complete with necessary Cable Managers, Patch Panels, Data Networking Switches complete with fixing all patch cords neatly dressed and numbered using cable ties, numbering ferrules etc.	R.O.	0.00		
	<b>G. TOTAL OF DATA CABLING SYSTEM</b>				
<b>H</b>	<b>MISCELLANEOUS WORKS</b>				
<b>1</b>	Providing light point wiring, data point with computer wiring, Telephone points with telephone wiring and temporary lighting arrangement during renovation is connection of old wiring systems during disposal.	1.00	job		
	<b>H. TOTAL FOR MISCELLANEOUS</b>				
<b>Total Amount Section A to H in Rs.</b>					
	GST EXTRA AS APPLICABLE				