

BOQ FOR ELECTRICAL WORK AT CANARA BANK'S TALAVADE BRANCH

Type of wiring	Concealed
Casing capping (as per approval)	Modi make/ Precision (ISI grade)
PVC pipe and accessories	Precision / Polycab / Swastik (ISI make)
Wires	Polycab / Finolex / R R kabel make with flexible copper c
Computer DataCable	D-Link / Molex / Awaya make
cable	Polycab / Finolex / R R kabel make (ISI grade)
MCB / MCB DB	L & T, Legrand / Siemens (ISI)
ELMCB	L & T, Legrand / Siemens (ISI)
Ft. tubes & fixtures	Philips / Wipro / Crompton / Havells / Bajaj
Ceiling fans	Crompton Greaves / Havells / Usha
screws	Nettlefold
Earthing material	Strictly Bare Copper and with charcoal
Switch fuse unit	L & T make (ISI)
Switches/sockets & accessories	Legrand / Anchor Roma Modular type
switchboards	Concealed modular type
Copper strip type busbar	Havells / Standard make
ONLINE UPS	Fuji / Vertiv
SMF Batteries	Exide / Amaron
Offline UPS / Inverter	Microtek / Havells
Tubular Batteries	Exide / Amaron
Labelling for Raw power and UPS power to be done at all switches	

SR	SUMMARY	AMOUNT
A	TOTAL OF MAIN PANEL / DB's / MCCBs :-	-
B	TOTAL OF CABLES & TERMINATIONS	-
C	TOTAL OF POINT WIRING	-
D	TOTAL OF FIXTURES	-
E	TOTAL OF EARTHING SYSTEM	-
F	TOTAL OF TELEPHONE SYSTEM	-
G	TOTAL OF DATA CABLING SYSTEM	-
H	TOTAL FOR MISCELLANEOUS WORKS- Temperory Shifting	-
	TOTAL FOR ELECTRICAL WORKS	-
	DISCOUNT OFFERED -	0%
	Less Buy back	-
	GRAND TOTAL FOR ELECTRICAL WORK	-

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	MAIN PANEL / DISTRIBUTION BOARDS / MCCBs :-				
1	Meter room Mains MCCB's				
	Supplying & Installing 63A/80A/100A, FP MCCB in Sheet Steel Enclosure, complete with Gland Box etc				
	a. 63A FP MCCB 16kA	1	Nos.		-
	Make : Legrand, Type : DPX3 160 with Thermal & Magnetic protection Unit				
	b. Sheet steel Enclosure Box for FP MCCB	1	Nos.		-
2	MCB DISTRIBUTION BOARDS				
	SITC sheet metal fabricated & powder coated Double Door Type MCB Distribution Boards (surface/flush mounted). DB's shall have MCB/MCCB as incomer, RCCB as sub-incomer & SP/DP/TP MCB as outgoing, complete with Per Phase Isolation. All MCBs of C characteristics and 10 KA breaking capacity & ELCB's, RCCB's, RCBO's should be of 100mA sensitivity. The DB shall have appropriate no. of top & bottom knock outs for outgoing circuits & shall be complete with necessary bus bars, interconnecting terminals & earth studs. All terminations in DB shall be complete with feruling, dressing with lugs & all circuits shall be properly labeled with PVC strip (sticker type) having identification as per the final approval of the Consultant.				
2.1	SITC Mains DB,				
	i) 8 way TPN - MCB DB,	1	Nos.		-
	ii) 63A - FP MCB, 10kA Incomer	1	Nos.		-
	iii) 32A - FP MCB outgoing	1	Nos.		-
	iv) 20A - FP MCB outgoing	1	Nos.		-
	v) 20/25A - DP MCB outgoing	4	Nos.		-
	vi) Blanking plates	4	Nos.		-
2.2	SITC LIGHTING DB				
	i) 6 way TPN - MCB DB,	1	Nos.		-
	ii) 20A - FP MCB, as incomer	1	Nos.		-
	iii) 25 A - DP 30mA RCCB / ELCB, as sub-incomer	3	Nos.		-
	iv) 6~16A - SP MCB outgoing	12	Nos.		-

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
2.3	SITC ACDB				
i)	6 way TPN - MCB DB,	1	Nos.		-
ii)	32A - FP MCB, as incomer	1	Nos.		-
iii)	40A - DP 30mA RCCB / ELCB, as sub-incomer	3	Nos.		-
iv)	10~20A - SP MCB outgoing	3	Nos.		-
2.4	SITC UPS Output DB				
i)	12 way SPN - MCB DB,	1	Nos.		-
ii)	25A - DP MCB as incomer	0	Nos.		-
iii)	25A - DP 30mA RCCB / ELCB, as sub-incomer	1	Nos.		-
iv)	6~16A - SP MCB outgoing	5	Nos.		-
2.5	SITC BRANCH UPS DB				
i)	12 way SPN - MCB DB,	1	Nos.		-
ii)	20A - DP MCB as incomer	1	Nos.		-
iii)	25A - DP 30mA RCCB / ELCB, as sub-incomer	1	Nos.		-
iv)	6~16A - SP MCB outgoing	5	Nos.		-
2.6	SITC INVERTER Lighting DB				
i)	12 way SPN - MCB DB,	1	Nos.		-
ii)	25A - DP MCB as incomer	0	Nos.		-
iii)	25A - DP 30mA RCCB / ELCB, as sub-incomer	1	Nos.		-
iv)	6~16A - SP MCB outgoing	8	Nos.		-
2.7	SITC ATM LRDB				
i)	6 way SPN - MCB DB,	1	Nos.		-
ii)	25A - DP MCB as incomer	0	Nos.		-
iii)	25A - DP 30mA RCCB / ELCB, as sub-incomer	1	Nos.		-
iv)	6~16A - SP MCB outgoing	4	Nos.		-
2.8	SITC ATM UPS DB				
i)	Sheet steel Enclosure Box for FP MCB	1	Nos.		-
ii)	25A - DP 30mA RCCB / ELCB, as sub-incomer	1	Nos.		-
iii)	6~16A - SP MCB outgoing	4	Nos.		-
2.9	MCB BOX				
a.	SITC 4 way - MCB with Box, for switching off the lightng DB near main gate to switch OFF all the light points after office hours				
i)	Sheet steel Enclosure Box for FP MCB	1	Nos.		-
ii)	20A - FP MCB	1	Nos.		-
b.	SITC 4 way - MCB with Box, for switching off the AC DB near main gate to switch OFF all the AC's after office hours				
i)	Sheet steel Enclosure Box for FP MCB	1	Nos.		-
ii)	32A - FP MCB	1	Nos.		-
c.	SITC 2 way - MCB with Box, for Cassette AC, at Out Door Unit				
i)	Sheet steel Enclosure Box for DP MCB	3	Nos.		-
ii)	16~32A - DP MCB	3	Nos.		-
d.	SITC 2 way - MCB with Box, for UPS Input / Output and for switching OFF UPS outputs to branch				
i)	Sheet steel Enclosure Box for DP MCB	3	Nos.		-
ii)	20/25A - DP MCB	3	Nos.		-
e.	SITC 2 way - MCB with Box, for Signage and for switching OFF Inverter outputs to branch				
i)	Sheet steel Enclosure Box for DP MCB	2	Nos.		-
ii)	20/25A - DP MCB	2	Nos.		-
4.0 a)	Supplying & Installing 10/20 A Modular Power Socket points complete with MS concealed box, Modular Switch plate, 20A Modular Socket, controlled by a Modular 20 / 25A SP MCB with necessary screws, nylon plug, Saddles, hardware etc. including cost of 3 x 4.0 sqmm PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, For ATM UPS & Inverter Input & Output connections	2	Nos.		-
	Rate in words : -				
b)	Supplying & Installing 20A Power Socket points complete with MS concealed box, Modular Switch plate, 20A Modular Socket, controlled by a Modular 20 / 25A SP MCB with necessary screws, nylon plug, Saddles, hardware etc.	1	Nos.		-
	including cost of 2x4.0 sqmm + 1x2.5 sqmm PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, For High Wall Split AC Units				
	Rate in words : -				
c)	Supplying & Installing 20 A Power Socket points complete with MS concealed box, 20A Modular Socket, without local switch (directly controlled by a 20 / 25A SP MCB in AC DB) with necessary screws, nylon plug, Saddles, hardware etc. For High Wall Split AC Units	3	Nos.		-

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	including cost of 2x4.0 sqmm + 1x2.5 sqmm PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, For High Wall Split AC Units				
	Rate in words : -				
d)	Supplying & laying circuit wiring for 20 A Power Socket points (without any socket / switch (directly controlled by a 20 / 25A SP MCB in AC DB) with necessary screws, nylon plug, saddles, hardware etc. by laying 2x4.0 sqmm + 1x2.5 sqmm PVC insulated FRLS copper Wires through 25mm/20 mm PVC conduits, For Cassette AC Units	3	Nos.		-
	including cost of 2x4.0 sqmm + 1x2.5 sqmm PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, For Cassette AC Units				
	Rate in words : -				
	Strong Room Power Point				
e)	Supplying & Installing 20 A Power Socket points complete MS concealed box, Modular Switch plate, 20A Modular Socket, controlled by a Modular 20A SP MCB with necessary screws, nylon plug, Saddles, hardware etc. including cost of 2x2.5.0 sqmm + 1x1.5 sqmm PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, For Strong Room / Cash room Entrance as It's Lighting circuit control from outside. Lighting switch board inside the Strong room / Cash room to be connected using, 2 mets of 3 core 1.5 sq mm flexible copper cable with 15 A plug top from this power socket installed outside the room (rate should be given inclusive of flexible cable, plug top and circuit)	1	Nos.		-
	Rate in words : -				
	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. The cost shall include terminations of all the armoured cables using Siemens type single 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.				
1	Aluminium Armoured Cables				
a.	3.5 x 35 Sq.mm Aluminium AYFY Armoured Cables, from MSEB Meter to Main DB	30	Rmt		-
	Rate in words : -				
2	Copper Flexible Cables in PVC Conduit				
a.	3C x 4 Sq.mm Copper Flexible Cable	60	Rmt		-
	Rate in words : -				
b.	3C x 6 Sq.mm Copper Flexible Cable	60	Rmt		-
	Rate in words : -				
c.	4C x 4 Sq.mm Copper Flexible Cable	50	Rmt		-
	Rate in words : -				
d.	4C x 6 Sq.mm Copper Flexible Cables	50	Rmt		-
	Rate in words : -				
e.	3 C x 2.5 sq.mm. Cu flexible cable	75	Rmt		-
	Rate in words : -				
	B. TOTAL OF CABLES & TERMINATIONS				-
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 Colored flexible copper FRLS wire, 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. (No seperate measurements for circuit wiring & PVC Conduits)				
a.	Primary UPS points	11	No		-
	Rate in words : -				
	Supplying & Installing Primary UPS or Stabilized Power points on workstations / tables for computers using 3C x 2.5 Sq.mm PVC sheathed color flexible copper FRLS wires 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.				

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	Each point consisting of 2 Nos of 6A, 5 Pin Modular sockets and 1 No. of 6/16A, 6 pin socket controlled by 1 No 20A Modular switch, wired together forming one point. Earth wire to be of Green colour only. Switch should be above table top & sockets should be below table top				
	Only 3 tables served by one circuit from UPS DB. The Rate should be including the cost of Conduits, wires, 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.	Secondary UPS points	5	No		-
	Rate in words : -				
	Supplying & Installing Secondary UPS or Stabilized Power points on workstations / table for computers using 3C x 2.5 Sq.mm PVC sheathed color flexible FRLS copper wires 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 2 Nos of 10A, 5 Pin Modular sockets and 1 No. of 6/16A, 6 pin socket controlled by 1 No 20A Modular switch, wired together forming one point. Earth wire to be of Green colour only. Switch should be above table top & sockets should be below table top				
	for 2 table served by the same circuit from adjacent Primary point. The Rate should be including cost of wire, 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.	Primary 10/20 A power points, for Printers / Pantry / Hot Plate / Water cooler etc	2	No		-
	Rate in words : -				
	Supplying & Installing Primary 10/20 A Power Socket points 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 1 Nos of 10/20 A Modular sockets controlled by 1 Nos of 20A Modular switch, wired together forming a point. Earth wire to be of Green colour only.				
	Only 2 Sockets served by one circuit taken from Raw Power & ACDB				
d.	Secondary 5/15 A power points, for Printers / Pantry / Hot Plate / Water cooler	0	No		-
	Rate in words : -				
	Supplying & Installing Secondary 10/20 A Power Socket points using 2 X 2.5 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 1 Nos of 6/16 A Modular sockets controlled by 1 Nos of 20A Modular switch, wired together forming a point. Switch should be above table top & sockets should be below table top				
	The circuit should be taken from another Primary 15 A Power Socket Point only, whose circuit taken from Raw Power & ACDB				
2	LIGHT POINT WIRING				
	SITC of following concealed point wiring using 1100V grade 3C x 1.5 sq.mm. copper conductor PVC insulated FRLS 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. (No seperate measurements for circuit wiring & PVC Conduits)				
a.	Primary Light points	17	No		-
	Rate in words : -				
	SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring.				
	Primary Light points, on Inverter	8	No		-

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	Rate in words :-				
	SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring through Inverter DB				
b.	Secondary Light points	12	No		-
	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.				
c.	Primary 5 A socket points	4	No		-
	Rate in words :-				
	SITC Primary 5 A Socket points using circuit wiring (with proper color code) pulled through medium gauge PVC conduits.				
	Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A switch, wired together forming a point with Green colour Earth wire.				
d.	Secondary / Separate 5 A socket points (other than on Board plug points)	4	No		-
	Rate in words :-				
	SITC Separate Secondary 5 A Socket points 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 1 Nos of 5 A sockets controlled by 1 Nos of 6A switch, wired together forming a point with Green colour Earth wire.				
e.	Secondary 5 A socket points (on Board plug points)	11	No		-
	Rate in words :-				
	SITC Secondary 5 A Socket points using circuit wiring (with proper color code) pulled through heavy gauge PVC conduits. These points are installed on the Lighting Switch Board.				
	Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A switch, wired together forming a point. Earth wire to be of Green colour only.				
f.	Exhaust fan/Wall Fan points on Inverter	6	No		-
	Rate in words :-				
	SITC of concealed point wiring for Exhaust fan and Wall fan using 1100V grade 3C x 1.5 sq.mm. copper conductor PVC insulated FRLS 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 fan points shall be drawn in flexible PVC conduit with adaptor & cover for junction box & crimp type lugs at both ends. 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 Exhaust fan and Wall fan. (No separate measurements for circuit wiring & PVC Conduits)				
	Each Exhaust Fan and wall fan will be operated on separate switch, Rate should be including the cost of 5 A switch, 4 way closed 5A connector & Mounting Plates				
g.	Wall Fan points without Inverter	3	No		-
	Rate in words :-				
	Specifications similar to above item				
h.	Ceiling fan points	3	No		-
	Rate in words :-				
	SITC Ceiling Fan point operated on separate switch shall be Controlled by 2 Module, Step type Fan regulator, Rate should be including the cost of Fan hook, Suspending suitable fan rod, Connecting cord and Step type Fan Regulator				
j.	Bell points Including Bell	1	No		-
	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)				
k.	Indicator Light points	4	No		-
	R-Y-B Indicator Light point from Main Power DB to Banking area, for indication of Mains power supply with wiring, indicator lamps etc., easily visible from the Exit / Entrance Door, so that the Last Person to leave the Branch / office should Turn OFF the Power Supply (MCB) Located in Power DB's to switch Off the Lighting, fans, AC's etc.				

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	Each Indicator Light Point Wiring to be done with 3 X 1.5 Sq.mm. PVC insulated multistanded FRLS Grade flexible copper wires / 3 core 1.5 sq.mm flexible cable drawn through Heavy gauge PVC conduit from Respective DB Power to the Respective Colored Indicator Lamp.				
	Raw Power to be written / Identified on the respective DB with Red Colour				
	UPS Power to be written / Identified on the respective DB with Yellow Colour				
	Lighting Power to be written / Identified on the respective DB with Blue Colour				
	Inverter Power to be written / Identified on the respective DB with Green Colour				
	C. TOTAL OF POINT WIRING				-
D	FIXTURES				
	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.				
1	LED tube lights 4'	9	No		-
	Rate in words : -				
	SITC 1200 mm Long Surface/Wall Mounted extruded Aluminium channels, with 20 w LED Tube light fixtures complete. Rate should be including the cost of Fixture, Suspending suitable rods, other accessories & hardware etc.				
	Model : BN021 LED25S 6500 PSU GR S1,				
	Make : Crompton Model : Linea LDLL20-CDL, LDLL20-WW				
	Make : Wipro, Model : Garnet D532065, D552065				
	Make : Havells Model : E-Lite LED Pride Pus LHEXBLP7PN1W020				
2	LED tube lights 2'	5	No		-
	Rate in words : -				
	SITC 600 mm Long Surface/Wall Mounted extruded Aluminium channels, with 10 w LED Tube light fixtures complete. Rate should be including the cost of Fixture, Suspending suitable rods, other accessories & hardware etc.				
3	15 w Down lighter with LED	10	No		-
	Rate in words : -				
	SITC 15 w White Powder Coated Housing LED Round / Square Down Lighter with High Efficiency LEDs & Ballasts				
	Make : Philips, Model : DN193B LED12S-6500 PSU WH S1				
	Make : Crompton, Model : Star Dura LDRSD-18W-CDL/ NW/ WW,				
	Make : Wipro, Model : Garnet Wave D541565, Infinity Wave DG11565, DG12065				
	Make : Havells, Model : Fazer Neo LHEBMCP7IW1W015, LHEBMCP7IW1W020				
4	600 x 600 mm square LED panel fittings	16	No		-
	Rate in words : -				
	SITC 36 / 40 w LED Panel of 600mm X 600mm size, Square, Powder coated Recess mounting LED Light Fitting				
	Make: Philips, Model: RC380B G2 LED28S / RC140B G2 LED31S-6500 PSE OD WH				
	Make: Crompton, Model : LCTLR-36-CDL 36 w, LCPL-36-TL(2X2)				
	Make: Wipro, Model : Gartnet D424065, D414065 CRCO1OR038HP57				
	Make : Havells, Model : Venus Neo PLR36WLED865PO, Plano PLR42WLED865S				
5	Fans				
	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				
a.	SITC 1200 mm sweep Ceiling fans Complete with Mounting rod, Clamps, Locking pin etc. (Color -White / Ivory / Brown)	3	No		-
	Rate in words : -				
b.	SITC 250mm sweep Exhaust fan of metal body & blade on the outside	3	No		-
	Rate in words : -				
c.	SITC 400mm sweep Wall fan of 1350 RPM. Oscillating type, metal blades chrome plated guard with speed regulator and moisture proof treatment to winding and with 'E' class insulation.	6	No		-
	Rate in words : -				
	D. TOTAL OF FIXTURES				-
E	EARTHING SYSTEM				
1	Plate Earthing				

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	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				
a.	GI Plate earthing. Rate in words : -	0	No		-
	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.	CU Plate earthing. Rate in words : -	3	No		-
	Copper earthing pit made up of 600 x 600 x 3 mm thick, copper electrode including 25 x 5 mm Copper strip.				
2	Earthing Wires				
	SITC of insulated copper earthing wire laid through 20 mm PVC conduits from separately made earth pit to the equipment in following sizes				
a.	12 SWG cu bare wire for AC's & DBs Rate in words : -	0	Rmt		-
b.	25mm x 5 mm thick GI strip Rate in words : -	0	Rmt		-
c.	Single core, 6 sqmm FRLS PVC insulated multi threaded, flexible copper wire laid through 20 mm size, MMS Grade PVC Conduites Rate in words : -	160	Rmt		-
3	Main Earth Bus with Box	3	No		-
	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 : -				
	E. TOTAL OF EARTHING SYSTEM				-
F	TELEPHONE / VOICE CABLING AND OUTLETS				
1	Telephone points Rate in words : -	1	No		-
	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 (No separte measurements for PVC Conduits)				
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. (No separte measurements for PVC Conduits)				
a.	10-pair x 0.5 mm size Telephone cable, for MTNL / BSNL mains Rate in words : -	0	Rmt		-
3	Telephone krone tag box	0	No		-
	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. Rate in words : -				
	F. TOTAL OF TELEPHONE SYSTEM				-
G	DATA CABLING SYSTEM				
1	Data points Rate in words : -	14	No		-

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SR. NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	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 (No separate measurements for PVC Conduits)				
2	Supplying & laying Cat-6, RJ-45, 1 m. length Data Patch Cords, Make : D-Link / Molex / Awaya Rate in words : -	14	No		-
3	Supplying & laying Cat-6, RJ-45, 2 met length Data Patch Cords, Make : D-Link / Molex / Awaya Rate in words : -	14	No		-
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 Rate in words : -	1	No		-
5	Supplying & Installing D-Link / HCL / iBall make 12-U Networking Wall mounting rack, complete with following mentioned accessories * 2U Horizontal Cable Manager * Power Distribution Unit / Power Strip of 6 Sockets * Cooling Fans * Cantilever Trays / Shelves * Hardware Packet Rate in words : -	1	No		-
	G. TOTAL OF DATA CABLING SYSTEM				-
H	MISCELLANEOUS WORKS				
1	Temporery Lightning supply & data connectivity & Shifting of Network Rack Arranging temporary Power, data supply & Lighting for all agencies and for staff PCs at work place . The rate shall include statutory aproval from Local MSEDCL / Electrical Inspectorate & other required satatutory bodies, preparation of AS-BUILT drawings, Testing of the installation & prearaition of test report as required by statutory bodies. Note: The rate to include cost of suitable temporary Lighting for all areas as per requirement during work.	1	Job		-
	H. TOTAL MISCELLANEOUS WORKS				-
	BUY BACK of ITEMS				
	The Lightning fixtures, Fans and other unused electrical fittings, wires etc under Buy back including Dismantaling of old wiring,Data ,telephone, Fitting fixtures & DB's Etc and disposing away from the site. The minimum reserve price is Rs. 5,000/- + applicible GST.	-1	No		-
	H. TOTAL BUY BACK of ITEMS				-
	TOTAL FOR ELECTRICAL WORKS				-
	CGST 9%				-
	SGST 9%				-
	GRAND TOTAL				-