

<b>BOQ FOR ELECTRICAL WORK AT AMBAJOGAI BRANCH</b>					
<b>ALL FRLS wires to be used</b>					
<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	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 flexib copper conductor, FRLS grade insulation			
	Computer DataCable cable	D-Link / Molex / Awaya make 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 switchboards	Legrand / Anchor Roma Modular type 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			
<b>SR</b>	<b>SUMMARY</b>				<b>AMOUNT</b>
<b>A</b>	<b>TOTAL OF MAIN PANEL / DB's / MCCBs :-</b>				-
<b>B</b>	<b>TOTAL OF CABLES &amp; TERMINATIONS</b>				-
<b>C</b>	<b>TOTAL OF POINT WIRING</b>				0.00
<b>D</b>	<b>TOTAL OF FIXTURES</b>				-
<b>E</b>	<b>TOTAL OF EARTHING SYSTEM</b>				-
<b>F</b>	<b>TOTAL OF TELEPHONE SYSTEM</b>				-
<b>G</b>	<b>TOTAL OF DATA CABLING SYSTEM</b>				-
<b>H</b>	<b>TOTAL Of Dismantling of old wiring etc</b>				-
<b>I</b>	<b>TOTAL Of Temporary arrangement Of Electrical Supply &amp; Laisoning work Etc</b>				-
	<b>TOTAL FOR ELECTRICAL WORKS</b>				-
	<b>Amt. in words Rs. :</b>				
<b>BOQ FOR ELECTRICAL WORK AT AMBAJOGAI BRANCH</b>					
<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>A</b>	<b>MAIN PANEL / DISTRIBUTION BOARDS / MCCBs</b>				
<b>1</b>	<b>Meter room Mains MCCB's</b>				
	<b>Supplying &amp; Installing 100A, FP MCCB in Sheet Steel Enclosure, complete with Gland Box etc</b>				
	a. 100A FP MCCB 10kA	Nos.	1.00		-
	b. Sheet steel Enclosure Box for FP MCCB	Nos.	1.00		-
<b>2</b>	<b>MCB DISTRIBUTION BOARDS</b>				

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	SITC sheet metal fabricated & powder coated <b>Double Door Type</b> 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.				
<b>2.1</b>	<b>SITC Mains DB,</b>				
	<b>6 way VTPN - MCB DB,</b>	Nos.	1.00		-
	<b>63 A - 01 no. - FP MCB as incomer</b>	Nos.	1.00		-
	<b>25 A - 02 no. - TP MCB outgoing</b>	Nos.	2.00		-
	<b>32 A - 04 no. - TP MCB outgoing</b>	Nos.	4.00		-
<b>2.2</b>	<b>SITC LIGHTING DB</b>				
	<b>4 way TPN - MCB DB,</b>	Nos.	1.00		-
	<b>25 A - 01 no. - FP RCCB as incomer</b>	Nos.	1.00		-
	<b>6A - 25A - 12 no. - SP MCB outgoing</b>	Nos.	12.00		-
<b>2.3</b>	<b>SITC RAW POWER &amp; AC DB</b>				
	<b>4 way TPN - MCB DB,</b>	Nos.	1.00		-
	<b>32 A - 01 no. - FP RCCB as incomer</b>	Nos.	1.00		-
	<b>20 A - 12 no. - SP MCB outgoing</b>	Nos.	12.00		-
<b>2.4</b>	<b>SITC UPS DB</b>				
	<b>12 way SPN - MCB DB,</b>	Nos.	1.00		-
	<b>32 A - 01 no. - DP MCB as incomer</b>	Nos.	1.00		-
	<b>20A - 10 no. - SP MCB outgoing</b>	Nos.	10.00		-
<b>2.5</b>	<b>SITC INVERTER DB</b>				
	<b>8 way SPN - MCB DB,</b>	Nos.	1.00		-
	<b>25 A - 01 no. - DP MCB as incomer</b>	Nos.	1.00		-
	<b>10A - 6 no. - SP MCB outgoing</b>	Nos.	6.00		-
<b>2.6</b>	<b>SITC Entrance Master Control Switch ( UPS,Light,Power &amp; AC) DB</b>				
	<b>8 way SPN - MCB DB,</b>	Nos.	1.00		-
	<b>25 A - 01 no. - DP MCB as incomer</b>	Nos.	4.00		-
<b>2.7</b>	<b>Supplying , Installing Testing &amp; Commissioning of LED Indicator ( Red Blue Green &amp; Yellow colour ) for showing the Power ON/ Off position in Branch Light / Raw Power (1) , AC (1) , UPS OUT Power Supply (1) , Invertor OUT Power Supply with 2.5 sqmm wire etc, complete.</b>	Set	1.00		0.00

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>3.0</b>	<b>UPS/inverter input / output DB's</b>				
a.	<b>SITC 4 way - MCB with Box, for UPS Input and For switching off the lightng DB near main gate to switch OFF all the light points after office hours</b>				
	<b>Sheet steel Enclosure Box for FP MCB</b>	Nos.	2.00		-
	<b>32/25 A - FP MCB :- 1 nos.</b>	Nos.	2.00		-
b.	<b>SITC 2 way - MCB with Box, for UPS output</b>				
	<b>Sheet steel Enclosure Box for DP MCB</b>	Nos.	1.00		-
	<b>32/25 A - DP MCB :- 1 nos.</b>	Nos.	1.00		-
c.	<b>SITC 2 way - MCB with Box, for Inverter Input &amp; Output</b>				
		Nos.	2.00		-
	<b>25 A - DP MCB :- 1 nos.</b>	Nos.	2.00		-
	<b>Sheet steel Enclosure Box for DP MCB</b>				
<b>3.2</b>	<b>Supplying &amp; Installing 20 A Power Socket points complete 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. <u>including cost of 2x4.0 sqmm + 1x2.5 sqmm</u> PVC insulated FRLS copper Wires and 25mm/20 mm PVC conduit, <b>For High Wall/Cassete Split AC Units</b></b>	Nos.	7.00		-
	<b>A. TOTAL OF MAIN PANEL / DB's / MCCBs :-</b>				-
<b>B</b>	<b>CABLES &amp; TERMINATIONS</b>				
	Supply and Laying of following LT cables conforming 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. <b>(The rates are inclusive of Termination of cables)</b>				
<b>1</b>	<b>Aluminium Armoured Cables</b>				
a.	<b>3 1/2 C x 50 Sq.mm Aluminium AYFY Armoured Cables, from MSEB Meter Mains to Mains Power DB</b>	Rmt	40.00		-

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>2</b>	<b>Copper Flexible Cables</b>				
a.	<b>3C x 4 Sq.mm Copper Flexible Cables, from UPS Output to UPS DB Incoming MCB</b>	Rmt	20.00		-
b.	<b>4C x 6 Sq.mm Copper Flexible Cables, from Mains DB to Raw Power &amp; AC DB Incoming MCB</b>	Rmt	140.00		-
c.	<b>4C x 4 Sq.mm Copper Flexible Cables, from Main DB to UPS Input MCB &amp; Main DB to Lighting DB Incoming MCB and up to the main</b>	Rmt	120.00		-
d.	<b>4C x 10 Sq.mm Copper Flexible Cables, from Main DB to UPS Input MCB &amp; Main DB to Lighting DB Incoming MCB and up to the main</b>	Rmt	50.00		-
<b>4</b>	<b>Flexible cables/ Wires</b>				
	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	<b>4 C x 10 sq.mm. Cu flexible wires, for UPS Input MCB to UPS terminal</b>	Rmt	5.00		-
b	<b>3 C x 6 sq.mm. Cu flexible wires, for UPS Output MCB to UPS terminal</b>	Rmt	5.00		-
c	<b>3 C x 2.5 sq.mm. Cu flexible wire, for Signage &amp; invertor</b>	Rmt	160.00		-
d	Supplying and erecting programmable digital timer microcontroller based with real time clock to operate on derived switching "ON" and switching "OFF" glow sign board light as per daily sunset and sunrise respectively automatically having 4 digit LED continuous time display erected in M.S. box.	No.	1.00		-
					-
	<b>B. TOTAL OF CABLES &amp; TERMINATIONS</b>				-
<b>C</b>	<b>POINT WIRING</b>				
<b>1</b>	<b>POWER POINTS</b>				

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	SITC of following concealed Power Point Wiring using 1100V grade 3C x 2.5 sq.mm. PVC insulated, PVC Sheathed White Colored flexible copper FRLS 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 seperate measurements for circuit wiring &amp; PVC Conduits)</b>				
<b>a.</b>	<b>Primary UPS points</b>	No	10.00		-
	<b><u>(The main circuit will be considered as primary circuit and balance circuit to other tables will be used as secondary circuit)</u></b>				
	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 FRLS 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>2 Nos of 6A, 5 Pin Modular sockets and 1 No. of 6/16A, 6 pin socket 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.</b>	<b>Secondary UPS points</b>	No	4.00		-
	Rate in words : -				
	<b><u>(The main circuit will be considered as primary circuit and balance circuit to other tables will be used as secondary circuit)</u></b>				

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	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 FRLS 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>2 Nos of 10A, 5 Pin Modular sockets and 1 No. of 6/16A, 6 pin socket 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>for 2 table served by the same circuit from adjacent 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, Complete Job with necessary screws, nylon plug, Saddles, hardware. Etc. All Switch Boards should be Properly numbered for identifications.				
	<b>c. Primary 10/20 A power points, for Printers / Pantry / Hot Plate / Water cooler / inverter etc</b>	No	3.00		-
	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 Raw Power & ACDB				
					-
<b>2</b>	<b>LIGHT POINT WIRING</b>				-

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	SITC of following concealed point wiring using 1100V grade 3C x 1.5 sq.mm. copper conductor PVC insulated <b>FRLS wires</b> (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.</b>	<b>Primary Light points</b>	No	24.00		-
	Rate in words : -				
	SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring.				
	<b>Primary Light points, on Inverter</b>	No	12.00		-
	Rate in words : -				
	SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring through Inverter DB				
<b>b.</b>	<b>Secondary Light points</b>	No	14.00		-
	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.</b>	<b>Primary 5 A socket points</b>	No	3.00		-
	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.				
					-
<b>d.</b>	<b>Secondary / Separate 5 A socket points (other than on Board plug points)</b>	No	3.00		-
	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.				

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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	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.				
<b>f.</b>	<b>Exhaust fan/</b>	No	4.00		-
	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 seperate measurements for circuit wiring & PVC Conduits)				
	Each Exhaust Fan and wall fan will be operated on seperate switch, Rate should be including the cost of 5 A switch, 4 way closed 5A connector & Mounting Plates				
	<b>Wall Fan points on Inverter</b>	No	7.00		-
	Rate in words : -				
	SITC of concealed point wiring for 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 seperate measurements for circuit wiring & PVC Conduits)				
	Each wall fan will be operated on seperate switch, Rate should be including the cost of 5 A switch, 5 A socket, gang box & Mounting Plates(Rates includes Primery light point or Invertor point are same)				
<b>g.</b>	<b>Ceiling fan points</b>	No	3.00		-
	Rate in words : -				
	SITC Ceiling Fan point operated on seperate 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				
<b>h.</b>	<b>Bell points</b>	No	2.00		-



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<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	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>0.00</b>
<b>D</b>	<b>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</b>	<b>LED tube lights 4'</b>	No	9.00		-
	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.				
	<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				
<b>2</b>	<b>LED tube lights 2'</b>	No	6.00		-
	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.				
<b>3</b>	<b>15 w Down lighter with LED</b>	No	20.00		-
	Rate in words : -				-
	SITC 15 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 LDRSD-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</b>	<b>600 x 600 mm square LED panel fittings</b>	No	14.00		-
	Rate in words : -				
	SITC 36 / 40 w LED Panel of 600mm X 600mm size, Square, Powder coated Recess mounting LED Light Fitting				

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	<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				
<b>5</b>	<b>Fans</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				
	a. SITC 1200 mm sweep Ceiling fans Complete with Mounting rod, Clamps, Locking pin etc. (Color -White / Ivory / Brown)	No	3.00		-
	b. SITC 250mm sweep Exhaust fan <b>of metal body &amp; blade</b> with louvers on the outside	No	3.00		-
	c. SITC 400mm sweep Wall fan of 1350 RPM. Oscillating type, <b>metal blades</b> chrome plated guard with speed regulator and moisture proof treatment to winding and with 'E' class insulation.	No	7.00		-
	<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 CU Plate earthing.</b>	No	4.00		-
	Copper earthing pit made up of 600 x 600 x 3 mm thick, copper electrode including 25 x 5 mm Copper strip.				

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<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>Single core, 6 sqmm FRLS PVC insulated multi threaded, flexible copper cable laid through 20 mm size, MMS Grade PVC Conduites</b>	Rmt	140.00		-
<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.				
	<b>E. TOTAL OF EARTHING SYSTEM</b>				-
<b>F.</b>	<b>TELEPHONE / VOICE CABLING AND OUTLETS</b>				
<b>1</b>	<b>Telephone points</b>	No	1.00		-
	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>				
	<b>F. TOTAL OF TELEPHONE SYSTEM</b>				-
<b>G</b>	<b>DATA CABLING SYSTEM</b>				
<b>1</b>	<b>Data points</b>	No	9.00		-
	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>				
<b>2</b>	<b>Supplying &amp; laying Cat-6, RJ-45, 1 m. length Data</b>	No	10.00		-
	<b>Make : D-Link / Molex / Awaya</b>				
	Rate in words : -				

<b>BOQ FOR ELECTRICAL WORK AT AMBAJOGAI BRANCH</b>					
<b>SR.</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>3</b>	<b>Supplying &amp; laying Cat-6, RJ-45, 2 met length</b> Make : D-Link / Molex / Awaya Rate in words : -	No	9.00		-
<b>4</b>	<b>Patch panel</b>				
<b>a</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>5</b>	Supplying & Installing D-Link / HCL / iBall make 12- <b>U Networking Wall mounting rack</b> , complete with following mentioned accessories * 2U Horizontal Cable Manager * Power Distribution Unit / Power Strip of 6 Sockets * Cooling Fans * Cantilever Trays / Shelves * Hardware Packet	No	1.00		-
	<b>G. TOTAL OF DATA CABLING SYSTEM</b>				-
<b>H</b>	<b>Dismantling of old wiring,Data ,telephone, Fitting fixtures &amp; DB's Etc and disposing away from the site.</b>	<b>Job</b>	0.00		-
	<b>H . TOTAL Of Dismentlling of old wiring etc</b>				-
<b>I</b>	<b>Temporery Lightning supply &amp; data connectivity</b> 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 & preparaiton 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.	<b>Job</b>	1.00		-
	<b>I. TOTAL Of Temporary arrangment Of Electrical</b>				<b>0.00</b>
	<b>TOTAL FOR ELECTRICAL WORKS</b>				<b>-</b>
	<b>(Amount in words Rs.</b>				