

BBOQ : Interior Decoration & Furniture work : ELECTRICAL WORK
of CHANGODAR BRANCH, REG. 4, AHMEDABAD, AAO for
State Bank of India.

Sr. No.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	NOTE : ALL CHARIS OR CHASES IN WALLS / COLUMNS / SLABS MADE BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CONDUITS / S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSITY MATERIAL AND LABOUR.				
	PART - A ::: BRANCH				
A	INTERNAL WIRING : Phase wire must be Red colour for LDB, Yellow colour for PDB & Blue for ACDB, Neutral Wire of Black colour & Green Wire for Earthing. Color code must be maintained. Tagging from DB MCB and Switch board must be done.				
1	P and M point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.5 sq. mm. phase & neutral & 1 nos. of 1.0 sq. mm. earthing with modular switch with company made flush metal box/surface PVC box etc. comp. with nec. main lines for switch board from LDB of mains of 2 nos. of 2.5 sq.mm wire and 1 no.of 1.0 sqmm pvc Insulated copper conductor wire FRLS type laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . These will be used with point wiring of light, fan, ex. fan, callbell points, etc { Max. 3 Switchboards in one circuit - One Sp MCB }.Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from Lighting DB MCB and Switch board must be done.				
1.1	One 5A switch controlling one light / fan point.	26	nos		
1.2	One switch controlling Two light points .	24	nos		
1.3	5A socket outlet with 5A switch (on common board) (1 FOR WATER COOLER).	19	nos		
1.4	5A socket outlet with 5A SP switch (as an independent point) [for ex. Fan, wall fan , QMS, Token M/C Display, etc. points.]	13	nos		
1.5	Call bell point with bell push complete.	1	nos		
1.6	SITC of one plug point for digital time clock near signboard (in elevation) as per standard layout of DP MCB <u>from Main panel</u> of mains of 2 nos. of 2.5 sq.mm wire and 1 no.of 1.0 sqmm pvc Insulated copper conductor earth wire laying in with 20 mm/25 mm dia type PVC rigid conduits 1.5 mm thick ISI mark. <u>This Point is need to made near Signboard at Entrance for Digital Moving Display Board or Digital Clock.</u>	nil	nos		
1.7	SITC of loop light points of 2 nos. of 1.5 sq. mm. off wires & 1 nos. of 1.0 sq. mm. earth wire from Main panel timer of mains of 2 nos. of 2.5 sq.mm wire and 1 no.of 1.0 sqmm pvc Insulated copper conductor earth wire laying in with 20 mm/25 mm dia type PVC rigid conduits 1.5 mm thick ISI mark (<u>This point is for Signage and Down Lighter Points at Entrance</u>) - 3 for branch & 2 for E Lobby.	4	nos		
1.8	<u>INVERTER EMERGENCY LIGHT DB</u> : (4 Way SPN)-For INVERTER LIGHTING with necessary require wiring from UPS I/P DB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used for point wiring of LIGHTS operated through ups as emergency lights,etc . [This point should be installed near ENTRANCE in concealed manner.] The height of switchboard must be at reachable point for easily operation. <u>This DB Should be In ele. panel cupboard.</u>	1	nos		
	Incoming: 25A DP ELCB, 100mA Sensitivity (1 Nos.)				
	Out Going: 10 A SP MCB (4 Nos.)				

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1.9	P and M point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.5 sq. mm. & 1 nos. of 1.0 sq. mm. with modular switch with company made flush metal box/surface PVC box etc. comp. with nec. main lines for switch board from INVERTER EMERGENCY LIGHT DB of mains of 2 nos. of 2.5 sq.mm wire and 1 no.of 1.0 sqmm pvc Insulated copper conductor wire laying in with 20 mm/25 mm dia type PVC rigid conduits 1.5 mm thick ISI mark .These will be used with point wiring of light, fan, ex. fan, wall fan points, callbell points, etc.(<u>Wiring Points of INVERTER Operated Fixtures</u>)	16	nos		
2.1	SITC of 6/16 Amp. Switch and socket complete with necessary require wiring from LDB of 2 no of 2.5 sq mm wires and 1 no of 1.0 sq mm PVC Insulated copper conductor earth wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points ,etc. No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit.This Points Need to Be Connected through LDB. (For Cash Room, Locker Room, Record Room - wiring points).	3	nos		
2.2	SITC of 6/16 Amp. Switch and socket complete with necessary require wiring from PDB of 2 no of 4.0 sq mm wires and 1 no of 2.5 sq mm PVC Insulated copper conductor earth wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points ,etc. . No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit.This Points Need to Be Connected through PDB. (For Printer, Water Cooler, Freeze, Motor, Note Counting Machine points).	3	nos		
3	SITC of 20 A/ 25 A , 230 V, with DP MCB all enclosed in a prefabricated M S boxes complete to the satisfaction of E.I.C. For SPLIT AC 1.5TR / 2.0 TR unit with necessary require wiring from ACDB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire FRLS type laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of A.C. points ,etc . Server Room AC Supply need to be given through Main Panel. Color code must be maintained. Tagging from DP MCB and AC point must be done. This point should be installed near Split / window AC in concealed manner. No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit. For Cassate AC power supply indoor or outdoor need to be given as per AC vendor's requirement. The height of switchboard must be at reachable point for easily operation.from that point to Split AC,empty conduit + necessary bends must in concealed mode by ele. contractor. THE ENCLOSURE SHOULD BE SAME MAKE AS MCB MAKE	5	nos		
B	LIGHTING FIXTURES :				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULTANTS BEFOTE ORDERING THEM.				
4	Supply, installation, testing and commissioning (including supply and fixing flexible wires from holder to fixtures hardwares etc.) of.... - The LED lamps should be of same make as fixture make. - The marking & cutting of fixtures should be in ele. contractor's scope.. fixtures should be approved by bank's ele. engineer / ele. consultant / architect. from the given make list before installations. LM 79 & LM 80 test reports to be submitted. nichia / LUmileds / cree - LED should be used by manufacture. Lighting Luminaire of LED for Office single piece die cost aluminium M24 housing complete with driver unit, mirror optic and other accessories Lamps of about 100 lumen/W injection moulded PC diffusers with high brightness complete unit complying with international standard (LU49, LH801) - opertive on 190V - 270 V 50 Hz with Mini 3 years warranty complete with mounting stystem and lamp dully wired and tested Details as under.				

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4.1	LED 1 x 31 W (3100 lumens) (2' X 2') RECESS MOUNTED LUMINAIRE with 2KV surge protection, making earthing conection complete to be recessed in false ceiling with all necessary hardwares, hanging - die cast frame arrangement, chains or hook arrangement with ceiling, connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture, etc. complete. (CROMPTON make cat no. AURA 1 LCPL-36-CDL or Equivalent in GE/ Philips / Havells / Wipro make).	17	nos		
4.2	1x12 W Square / Round LED DOWN LIGHT pressure die cast fixture with 2KV surge protection (950 lumens) to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete.(CROMPTON make cat no. CROM ROUND / CROM SQUARE LCDN - 12 - CDL/TL/WW or Equivalent in GE / Philips / Havells / Wipro make). Energy Efficient round recessed mounted LED down lighter with premium white powder coating and die cast aluminium housing, as per details above. Die casting material should not be CRCO type material. should be connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture.	37	nos		
4.3	LED tube light 1 x10 W (560 lumens) Surface mounting type with LED tube, complete. (Wipro make Cat. No. MEGMA-P 7007 or Equivalent PHILIPS / GE make) .For Toilet area.	3	nos		
4.4	Supply and insallation of Call bell with Indicatore. (Max or equivalent make)	1	nos		
4.5	Supply and installation of Exhaust fan of 300 mm, fresh air vantilator type complete & 6 Amp. 3 pin TOP. (Crompton/ Khaitan / Havells make) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.] - One Ex. Fan is of heavy duty industrial for Ups room.	4	nos		
4.6	Supply and instalation of 48" Ceiling Fan with fan step socket modular regulator, Max. 3 feet Fan Rode, Anchor Fastner, etc. (WHITE COLOUR - BEE 5 star labeled ceiling fan Alluminium body and copper winding.) (Orient PSPO or equivalent approved make in Crompton / Havells).	7	nos		
4.7	Supply and instalation of 1 x 18W led batten light fixture (T-5) with electronic driver and tube complete with necessary hardwares, etc and per watt lumens output must be above 120/watt and 90%lumems maintaiance for 90% of life with input voltage 90-270v ac 50hz operational without affecting the life, input mov.gtd protection in driver for above 270v protection. and 2 years waranty.LED Batten Comprises of Thermally conductive material. Pre-wired with high efficiency electronic driver. High translucent frosted diffuser gets glare free, smooth light distribution.	20	nos		
4.8	Supply and installation of 450 mm sweep wall mounted fan with metal stand and guard With on site 2 years warranty. (Crompton/ Havells make - Off white colour) .	8	nos.		
4.9	SITC of Decoretive 3 W (180 lumens) LED DOWN LIGHT PANEL with its driver also. (wipro make or philips / orient or equivalent co. make). (Approved by Architrct) basic rate of fixture Rs. 900/-. (This is for down lighter in ACP work near entrance).	4	nos		
4.10	SITC of Decoretive 3 W (180 lumens) LED DOWN EYE BALL LIGHT with its driver also. (wipro make or philips / orient or equivalent co. make). (Approved by Architrct) basic rate of fixture Rs. 900/-.(Need to be fixed At Entry Gate ACP Panel Work)	nil	nos		
4.11	SITC of LED STRIP LIGHT flexible complete with driver unit, 230 v, 50 Hz, as required . (CROMPTON make LST20WW or equivalent GE/ Philips / Wipro / Havells make).	nil	mtr		

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C	COMPUTER POWER SUPPLY & NETWORKING - TELE. SYSTEM.: Phase wire must be Yellow colour for UPS O/P DB, Red colour for PDB , Neutral Wire of Black colour & Green Wire for Earthing. Color code must be maintained. Tagging from DB MCB and Switch board must be done.				
5	SITC of 2 nos. of 6 A, 5 pin Sockets and 1 no. of 6 \ 16 A socket below table outlets with one 16 A switche with indicator Computer power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from UPSDB to Computer power supply boards.{Maxi. 3 computers in one circuit}. complete with necessary termination etc. complete.[White Colour Outer Plate For These Switchboards]. LOOP POINTS MUST BE OF SAME SIZED WIRES. Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from UPS O/P DB MCB and Switch board must be done.	26	nos		
6	S & I of 2 nos. of 6 A, 5 pin Sockets and 1 no. of with one 6 A switches raw power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from PDB to Computer power supply boards.{Maxi. 3 Raw Power Points in one circuit}. complete with necessary termination etc. complete.. [Black Colour Outer Plate For These Switchboards]. LOOP POINTS MUST BE OF SAME SIZED WIRES. Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from UPS O/P DB MCB and Switch board must be done. .	14	nos		
7	Providing, installing, testing, commissioning of CAT 6 UTP pvc insulated copper conductor data cable of D - Link with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each piece of cable complete. [2 Lines from BSNL Krone to new krone in server room].	80	mtr		
8	Supply, installation, testing and commissioning of CAT 6, RJ 45 information outlet (I/O) of D-link mke with front modular cover plate, flush box metallic or PVC for trucking system etc. complete with terminations etc complete.with Providing, installing, testing, commissioning of CAT 6 UTP pvc insulated copper conductor data cable of D-link make with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each of piece of cable etc. complete as per the requirement from data rack to I/O points below tables. etc. (One for LCD & Two for ATM & one for IP phone in BM cabin). Dual jack plate will not be allowed. Cross Ferruling need to be provided for each point. on Data point tagging must be done).	32	nos		
9	Supply, installation, testing and commissioning of 9 U metal rack for computer clamping switch etc complete with Tray Mounting Fan + power supply board. Bank's hardware - port switch / patch panel must be installed by ele. Contractor in this rack. - (make : D Link / Digi Link / Elixer).	1	nos		
10	SITC of 24 - port ethernet switch. (make : D Link / Digi Link).	nil	nos		

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11	SITC of 24 port patch panel for computers mounting in metal rack. (make : D Link / Digi Link).	2	nos		
12	Supply and crimping of RJ 45 connector with proper testing.	nil	nos		
13	Supply & fixing the Patch cord 1 mtr. Long (factory built) .-When supplying , then first ask to BM / Consultant / Architect / Bank Authority.	32	nos		
14	Supply & fixing the Patch cord 2 mtr. Long (factory built) .-When supplying , then first ask to BM / Consultant / Architect / Bank Authority.	18	nos		
15	Supply and installing telephone point with Telephine socket outlets of RJ 11 of aapproved make with company made concealed boxes in walls / furniture's etc. complete with Providing, installing, testing, commissioning of 2 pair of 0.51 cross section pvc insulated copper conductor telephone wire of ITI approved with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete.from krone box to tele. RJ - 11 sockets below tables. etc.- for Intercom / fax / direct Tele. facility. Cross Ferruling need to be provided for each point. on Telephone point tagging must be done.	16	nos		
16	SITC of 20 pair jelly filled armoured cable for tele. Lines from GF BSNL BOX to GF FLOOR NEW KRONE BOX / EPABX.	nil	mtr		
17 (A)	Supply, installation, testing and commissioning of 20 pair krone telephone tag block duly enclosed in sheet metal powder coated box with locking arrangement complete with necessary terminations.	1	nos		
17 (B)	Supply, installation, testing and commissioning of 10 pair krone telephone tag block duly enclosed in sheet metal powder coated box with locking arrangement complete with necessary terminations o/s the branch.	1	nos		
D	DISTRIBUTION BOARD AND PANELS :				
18	Supply, installing, testing and commissioning of metallic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete to the satisfaction of the Engineer in charge. The DB should be of same make as MCB make.				
18.1	4 - WAY TPN DB : (LDB). All MCB should be ' B ' type. incoming : 40 A FP MCB - 1 NO. outgoing : 25 A DP ELCB, 100 mA - 3 NO . outgoing : 6 to 20 A SP MCB (6 nos).	1	nos		
18.2	4 - WAY TPN DB : (PDB). All MCB should be ' C ' type. incoming : 63 A FP ELCB, 100 mA. - 1 NO . outgoing : 16 A SP MCB (9 nos).	nil	nos		
18.3	6 WAY TPN DB : (ACDB - PDB) . - All MCBs must be C Type Characteristic. incoming : 63A FP ELCB, 100 mA - 1 NO . outgoing : 20 A / 25 A FP MCB (2 nos) for 3 PHASE CASSETTE AC points. outgoing : 20 A / 25 A DP MCB (1 nos) for HI- WALL SPLIT AC / CASSETTE AC points. outgoing : 16 A SP MCB (4 nos). For raw power & 6 / 16 A. power points.	2	nos		
18.4	12 WAY SPN DB : (UPS DB) OUTPUT. - All MCBs must be C Type Characteristic. incoming : 40 A DP 100 mA ELCB. outgoing : 10 to 20 A SP MCB (6 nos).	1	nos		

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18.5	UPS METAL DP ENCLOSURE. (one for server output & one for E lobby area OUTPUT). - All MCBs must be C Type Characteristic. outgoing : 10 A / 20 A. DP MCB -1 NO FOR SERVER OUTPUT.	2	nos		
18.6	UPS 12 WAY SPN DB (For all computers). - All MCBs must be C Type Characteristic. incoming : 63 A FP MCB - 1 NO FOR 3 - phase UPS.(big) . incoming : 25 A DP MCB - 1 NO FOR 1 - phase INVERTER. incoming : 25 A DP MCB. - 1 no FOR 1 - phase UPS. (E Lobby area). incoming : 25 A DP MCB - 1 NO FOR 1 - phase UPS. (server).	1	nos		
18.7	4 WAY SPN DB : (UPS DB) OUTPUT. - for E Lobby Area. All MCB must be C Type Characteristic. incoming : 25 A DP 100 mA ELCB. outgoing : 6 to 10 A SP MCB (2 nos).	1	nos		
19	SITC of 32A / 40 A / 63 A FP ELCB, 100 mA (C - Curve) with powder coated compny made metallic double door sheet stell enclosure complete For three phase 3.0 / 5.5 / 8.5 TR VRF / DUCTABLE / CASSETTE AC units. This will be executed near trap door of indoor unit at reachable height. (as per IP 65 protection). THE ENCLOSURE SHOULD BE SAME MAKE AS MCB MAKE.	4	nos		
20	Supply, installation, testing and commissioning of Main panels as per drawing and specifications. Panel should be dust and vermin proof. Panel shall be fabricated from 14/ 16 SWG CRCA sheet metal duly powder coated of approved paints. Panel should be as per the sepecifications of ERDA/CPRI. fabrication, Switch gear installation. Internal wiring and Test Certificate from Manufacturer to be submitted. - All MCBs must be C Type Characteristic. Panel Drawing Need to be approved by Electrical Consultanat / Bank's Engineer before starting work.				
	MAIN PANEL : Incoming feeder : 100 A C&S Make CSE1N125ETM4P-100A or L& T MAKE; CM92153OOOOAG-100A or LEGRAND MAKE: DPX3-160A:4201 15-100A (1 No.). The MCCB should have inbuilt Earth Fault & Nutral Overload Protection with Power Supply & Display Module for Metering & Fault Recording. * 80 A, FP Change over switch (1 No.). * 160 AMP. 500 Volts, 3 phase 50 Hz FP Alu. bus bars of suitable length -Current ratio shall be 1 sq mm = 1.2 A. * Digital AVF Meter with control fuses. C.T. shall be of 15VA class 1 type and shall be resin cast type. * Phase indicator lamps phase wise. * Outgoing feeder: * 25 A DP MCBS (1 no - SERVER AC & 1 no - E Lobby AC). * Timer of L & T make Cat. No. 67DDTO digicom Timer with 16A. 4P contactor / Theben make Cat no. SUL 180 a - T180 0 001 ANALOG Timer with L & T make contactor MNX 18 (operating coil voltage 230V, 50 Hz). (24 hrs).- 2 No for signage light * 06 A DP MCB (1 no - Sign board digital clock). * 10 A DP MCB (1 no - Sign board for E Lobby). * 20 A DP MCB (1 no - Sign board for branch). * 40 A FP MCB (1 NO - LDB). * 63 A FP MCB (1 NO - UPSDB). * 63 A FP MCB (2 NO - ACDB - PDB). * 40 A FP MCB (1 NO - SPARE DB).	1	nos		

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21	Providing and Installing of 100A FP MCCB(36KA) (1 No.) (Ics =100% Icu., confirmed to IS/ IEC 60947 -2 adjustable Ir rating from 0.7 to 1) Unit M. S. compartment enclosure IP65 with hinged door & locking arrangement duly fabricated from 18 SWG sheet metal box duly painted with one coat of red-oxide paint and two coats of approved enamell paints with 100A OPEN TYPE MCCB UNIT with Phase indicator lamps phase wise , control fuses & wooden back complete. THIS WILL BE INSTALLED NEAR MAIN DOOR - INSIDE OR OUTSIDE - OF THE BANK (first ask to BM / Consultant / Architect / Bank Authority	1	nos		
22	SITC of 40 / 63 A FP MCB (C - Curve) with powder coated compny made metallic double door sheet stell enclosure complete For CAPACITOR BANK unit with 30 KVA CAPACITOR BANK near energy meter with load wires for connecting capacitor bank.	NIL	nos		
E	EARTHING SYSTEM:				
23	Providing and making Earthing Pit with all necessary mattterial and making masonry kundi, watering arrangment etc complete as per ISI 3043-1987 (FOLLOWING ITEMS MAY OPERATE). Resistivity as per IEC / IS. (3 years Manufacturer Warranty. Earthing Certificate Need to Attached). (At the Time of buried of earthing Photograph must be taken Without Photographic Proof Earthing Will be Rejected. Earthing Rod Photo Must be attached with Bill.). Earthing need to measure at Site and it should be less than 5 Ohm. If found more than 5 ohm than will be rejected. Earthing Pit Must be Provided for both Cu as well as GI earthpit.				
23.1	ECO SAFE environment friendly electrical grounding system with T-193- Hot Dip Galvanised, having 50mm dia. of outer pipe and 25 mm dia. of inner pipe and length of 3mtrs with 50kg Back Fill Compound as per UL 476, of Powerfill Eco friendly electrical grounding backfill compound and clamp (DB - PANEL) - G. I. -(Chemical GI Earthing) ERDA & NSIC approved, E link or ETP MAKE or ASHLOK MAKE. Any other make will not be consider. (DB - PANEL) .	1	nos		
23.2	ECO SAFE environment friendly electrical grounding system with T-193- Copper electrode used upto 11 KV, having 50mm dia. of outer pipe and 25 mm dia. of inner pipe and length of 3mtrs with 50kg Back Fill Compound as per UL 476, of Powerfill Eco friendly electrical grounding backfill compound and clamp (UPS) - Chemical GI Earthing) ERDA & NSIC approved, E link or ETP MAKE or ASHLOK MAKE. Any other make will not be consider. - Cu. (UPS) .	1	nos		
24	Supply, laying and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete.				
24.1	25 x 3 mm G.I. Strip - From G. I. Earthpit to Main Panel + From Cu. Earthpit to UPS I / P DB.	60	Rmt		
24.2	25 x 3 mm CU.strip.	NIL	Rmt		
24.3	8 SWG G.I. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete for ELE. PANEL, ALL DBS , ETC.	119	Rmt		
24.4	8 SWG CU. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete.	40	Rmt		
F	CABLES & CABLE TERMINATIONS:				
25	Supply, Lying, installation, testing and commissionig of following sizes of PVC insulated PVC sheathed copper / aluminum conductor armoured cable to be laying in existing caboe trench or to be laid in existing pipes of with necessary clamps, spacers with cleating on wall ceiling etc. complete to the satisfaction of EIC. All types of cable excavation works should be in contractor's scope.(LENTH TO BE VERIFY AT SITE).				
25.1	3 C x 2.5 sq. mm Cu . Conductor YWY cable. (for Signboard).	25	mtr		
25.2	4 C x 4.0 sq. mm Cu. Conductor YWY cable. (From 3 phase cassette AC DB to 3 phase cassette AC 4 P ELCB to outdoor units.) .	80	mtr		

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25.3	4 C x 6.0 sq. mm Cu. Conductor YWY cable. (Main Panel to UPS I/P DB) .	25	mtr		
25.4	4 C x 10 .0 sq. mm Cu. Conductor YWY cable. (Main Panel to 3 PHASE CASSETTE AC DB) .	6	mtr		
25.5	4 C x 16.0 sq mm Alu. Conductor AYFY cable. (Main Panel to LDB, ACDB - PDB, ATMDB.) .	3	mtr		
25.6	3.5 C x 50.0 sq. mm Alu. Conductor AYFY cable. (main cable from Panel to main mccb nr. energy meter) (LENGTH as per site contition) .	30	mtr		
25.7	4.0 C x 25.0 sq mm Alu. Conductor AYFY cable. (Main Panel to DG SET) .	nil	mtr		
25.8	25.0 sq. mm single core Cu. wire supply & laying for main load wire from meter to main switch in flexible pipe.	8	mtr		
25.9	3 C X 10.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS).	nil	mtr		
25.10	3 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS). - for branch.	12	mtr		
25.11	3 C X 4.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS). - for E Lobby.	40	mtr		
25.12	3 C X 4.0 sq. mm. flexible PVC Insulated copper conductor cable laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark from AC indoor unit to AC outdoor unit. (For SPLIT AC units.) .	nil	mtr		
26	End termination of following PVC insulated armoured cables including supply and fixing of brass single compression type cable glands and crimping type aluminum / copper lugs suitable for terminations of armoured cables of following overall diameters, incl.				
26.1	3 C x 2.5 sq. mm Cu . Conductor YWY cable. (for Signboard).	2	nos		
26.2	4 C x 4.0 sq. mm Cu. Conductor YWY cable. (Main panel to LDB , From main panel to 3 phase cassette AC 4 P ELCB to outdoor units.) .	12	nos		
26.3	4 C x 6.0 sq. mm Cu. Conductor YWY cable. (Main Panel to UPS I/P DB) .	2	nos		
26.4	4 C x 10 .0 sq. mm Cu. Conductor YWY cable. (Main Panel to 3 PHASE CASSETTE AC DB) .	4	nos		
26.5	4 C x 16.0 sq mm Alu. Conductor AYFY cable. (Main Panel to LDB, ACDB - PDB, ATMDB.) .	2	nos		
26.6	3.5 C x 50.0 sq. mm Alu. Conductor AYFY cable. (main cable from Panel to main mccb nr. energy meter).	2	nos		
26.7	4.0 C x 25.0 sq mm Alu. Conductor AYFY cable. (Main Panel to DG SET) .	nil	nos		
26.8	25.0 sq.mm single core end termination with copper lugs.	8	nos		
26.9	3 C X 10.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS).	nil	nos		
26.10	3 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS). - for branch.	4	nos		
26.11	3 C X 4.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS). - for E Lobby.	2	nos		

**BBOQ : Interior Decoration & Furniture work : ELECTRICAL WORK
of CHANGODAR BRANCH, REG. 4, AHMEDABAD, AAO for
State Bank of India.**

Sr. No.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
G	MISCELLANEOUS ITEMS :				
27	Supply and installation of 300 x 300 x 40 mm size GI box duly fabricated from 18 SWG m.s. sheet with top cover of s. s. sheet complete with necessary knock outs at all the sides of box for conduit entries duly fixed in floor, including breaking in floor and re-finished the same etc. complete (Wire Draw Box).	nil	nos		
28	Supply and installation of 150 x 150 x 40 mm size GI box duly fabricated from 18 SWG m.s. sheet with top cover of s. s. sheet complete with necessary knock outs at all the sides of box for conduit entries duly fixed in floor, including breaking in floor and re-finished the same etc. complete (Wire Draw Box).	nil	nos		
29	Supply an installation of 24 Hr, 7 days A/C timer with 2 nos. power contactor of M.D.S, L & T ,SEIMENS,THEBEN (indoasian) Make. All enclosed in sheet steel powder coated enclosure of 400 X 400 mm complete with all necessary termination for system room A.C & E lobby AC. Here Ready made Cyclic Timer Will not be permitted.	2	nos		
30	Supply and installation of 2.5 sq. mm. 3 core flexible cable of approved make (3 mtr. Length) with heavy duty industrial pvc flexible pipe & 15 amp. 3 pin top of approved make for the supply of locker room.	3	nos		
31	SITC of CABLE TV cable line with proper fixing and connecting with modular Co-Axial TV Socket. - 2 run.	40	mtr		
32	Supply & laying of the empty conduit . - 25 mm.	nil	mtr		
33	Existing floor cutting for laying conduits & finished by sand - cement mixer for strong finishing (PCC works).	nil	mtr		
34	SITC of core cutting in slab for cables.	nil	job		
35	Laisioning work (addition Load) WITH Electric supply Co. in branch & Apporoval and Neccessary certificate.	1	job		
36	Providing Necessary plug points & light points for tube lights (including necessary wiring) at various locations as required by various contractors for execution of various works / to run equipments such as drill / cutter etc. during the entire execution process. The accessories used for this purpose shall be of temp. nature (anchor piano or eq.) & the contractor has to take back the same on completion of the project. The supply for this shall be taken from the temporary connection provided at / from nearby general meter under co.ordination with the LANDLORD. & also providing temporary power supply for computers and data connection for computers with wiring, switchboard, Comp. I/O Points,etc. for smoothly running of the branch with removing & reshifting of the computers , printers, etc. bank hardware accessories.	1	job		
	TOTAL - PART A :				
	% DISCOUNT IF ANY				
	GRAND TOTAL				
	Net Tender Amount in words: Rupees!.....				

**BBOQ : Interior Decoration & Furniture work : ELECTRICAL WORK
of CHANGODAR BRANCH, REG. 4, AHMEDABAD, AAO for
State Bank of India.**

Sr. No.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	ALL RATES SHOULD BE INCLUDE OF ALL TAXES EXCLUDING GST WHATEVER IS APPLICABLE.				
2	THE CONTRACTOR SHOULD DEPUTE ONE PERSON AT SITE FROM START OF WORK TO FINISH FOR GIVING TEMPORARY CONNECTIONS & ATTENDING PROBLEMS.				
3	THE CONTRACTOR SHOULD WORK ACCORDING TO THE FINAL LAYOUT.				
4	THE CONTRACTOR SHOULD SUBMIT & APPROVE MAKE LIST WITH ARCH./ BANK'S ENGINEER / ELE. CONSULTANT BEFORE WORKING & SUBMIT SIGNED COPY WITH FINAL BILL SUBMISSION.				
5	THE CONTRACTOR SHOULD CHECK ELE. APPROVED MAKE LIST BEFORE QUOTE.				
6	THE CONTRACTOR SHOULD SUBMIT TEST CERTIFICATE OF PANEL FROM PANEL BUILDER AS PER PERFORMA GIVEN IN TENDER. BUT THE PANEL SHOULD BE MADE AS PER CPRI TERMS & CONDITIONS & ALSO APPROVED BY BANK'S ELE. ENGINEER / CONSULTANT . THE CONTRACTOR SHOULD FOLLOW THE GA DRAWING & PANEL SLD IF GIVEN IN TENDER.				
7	LOWEST BIDDER SHALL BE DECIDED AFTER DEDUCTING THE BUYBACK VALUE.				
8	THE CONTRACTOR SHOULD SUBMIT BANK GUARANTEE OR WARRANTY OF FIXTURES - LED FOR MIN. 3 YEARS.				
9	CONTRACTOR SHOULD BE SUBMITTED THE CERTIFICATE OF WIRES THOSE USED FOR THE BRANCH FROM DULY SIGNED BY COMPANY AUTHORISED PERSON. - PER PROJECT BASIS.				
10	EARTH RESISTANCE SHOULD BE CHECKED & SUBMITTED THE REPORT WITH DULY SIGNED BY ELE. CONTRACOTR AT THE TIME OF BILL CHECKING.				
11	SINGLE LINE DIAGRAM SHOULD BE SUBMITTED AT BRANCH & ONE COPY SHOULD BE ATTACHED NEAR DB / MAIN PANEL.				
12	SHOCK TREATMENT CHART SHOULD BE PEST NEAR DB / MAIN PANEL. STICKERS SHOULD BE PEST ON DBS / MAIN PANEL.				
13	THE CONTRACTOR'S PRESENCE MUST BE COMPULSORY FOR SHIFTING / INSTALLING OF UPS , DATA RACK, EPABX SYSTEMS. - MUST HELP TO BANK'S VENDORS LIKE PCS (HARDWARE), UPS , DATACRAFT (PORT SWITCH - SOFTWARE), ETC.				
14	CONFIRMATION/ RECEIVED SIGNATURE FROM BRANCH MANAGER REQUIRED FOR SUPPLY OF PATCH CORDS.				
15	THE RATES QUOTED BY THE CONTRACTOR IN THE COLUMN WHERE QUANTITY & UNIT ARE NOT MENTIONED IN THE TENDER ARE NOT NECESSARY BE ACCEPTED , IF LATER THE SAME ARE TO BE FIXED ON SITE.				
16	THE CONTRACTOR SHOULD BE ADVISED NOT TO LAY ANY CONDUIT / CABLE MAIN LINES THROUGH THE CASH ROOM / LOCKER ROOM / RECORD ROOM FOR SECURITY SAFETY AUDITS.				
17	IF THE CONTRACTOR HAS NOT CARRIED OUT ELECTRICAL WORK AS PER STANDARD SPECIFICATION THEN CONTRACTOR IS LIABLE TO REMOVE AND REWORK AS PER STANDARD SPECIFICATION AND WHATEVER THE DAMAGE IN CONNECTION WITH CIVIL/ FURNITURE/ AC WORK WILL BE BEAR BY CONTRACTOR. IF CONTRACTOR WILL NOT DONE REWORK THEN WHATEVER BEEN THE COST FOR REWORK WILL BE DEDUCTED FROM CONTRACTOR'S BILL.				
18	THE CONTRACTOR SHOULD BE ADVISED TO FIX 2 / 3 INCH SIZE PIES FOR HOLES IN OUTSIDE AREA WHERE THERE WILL BE CREATED THE HOLES IN WALL FOR CABLES / EARTH STRIP LAYING WORKS. FILLED WITH CEMENT / MORTAR WITH END CAPS OF PIPES.				