

**PRICE BID FOR ELECTRICAL WORK OF STATE BANK OF INDIA FOR DRT 2 AT THIRD FLOOR,
BHIKHUBHAI CHAMBER, AHMEDABAD**

Sr. No./ Code	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	NOTE : ALL CHIPPING AND FINISHING WORKS 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.				
A	INTERNAL WIRING :				
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 FRLS type 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 }.				
a)	One 5A switch controlling one light point	32	No		
b)	One switch controlling Two light points	10	No		
d)	One 5A switch controlling one CEILING fan point	3	No		
e)	5A socket outlet with 5A switch (on common board)	12	No		
f)	5A socket outlet with 5A SP switch (as an independent point) [for ex. Fan, for Wall fan]	4	No		
g)	Call bell point with bell push complete.	4	No		
2	SITC of 6/16 Amp. Switch and socket complete with necessary require wiring from PDB of 2 no of 2.5 sqmm wires and 1 no of 1.5 sqmm PVC Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark.	3	No		
3	SITC of 20 A/ 25 A , 230 V, 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 FRLS type PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of A.C. points, etc <u>Phase wire should be Red colour, Nutral Wire should be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from ACDB 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 b</u>	11	No		

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5	SITC of 40 A , 415 V, with FP MCB all enclosed in all weather IP 65 type Prefabricated Metal Boxes complete. For Cassate AC 3.0/4.0 Tr unit. These will be used for ACDB to Cassate AC Indoor unit Supply.	2	No		
6	Providing, Installing, testing, Commissioning of mains of following sizes PVC insulated copper conductor multistranded flexible type wires with 20 mm/25 mm dia PVC rigid conduits or flexible pipe 1.5 mm thick ISI mark with 2 no of 6.0 sqmm wire and 1 no of 4.0 sqmm PVC Insulated copper conductor wire.(UPS to UPS O/P DB & UPS I/P DB to UPS).	12	Rmt		
B	LIGHTING FIXTURES :				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULTANTS BEFORE ORDERING THEM.				
1	supply, installation, testing and commissioning (including supply and fixing flexible wires from holder to fixtures hardware etc.) Here Led fitting & LED Driver both must be of same make only. The marking & cutting of fixtures should be in ele. contractor's scope..				
a)	36 W LED, Lighting fixture panel suitable for 2'x2' (600mm X 600 mm) Grid/ Gypsum/ POP / Armstrong false ceiling of Crompton Model ORION II Cat Ref No: LCTLRN-36-FO-CDL, CCT 6000 K and CRI > 80, lumen O/P > 3300 lumen, System wattage (LED + Driver) < 40 Watt. or equivalent Philips or Wipro/Bajaj/C&S/ Orient/ Syska make with minimum 2 years warranty Should be clamp with hook in ceiling. and should be connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture.	23	No		
b)	15 W LED Downlighter & Crompton Model CROM LCDD-15-CDL/TL/ WW ,CCT 6000 K and CRI > 80,Lumen output1450 lumen, System wattage (LED + Driver) 15 Watt, or equivalent Philips or Wipro/Bajaj/C&S/ Orient/ Syska make. Energy Efficient round recessed mounted LED down lighter with premium white powder coating and die cast aluminium housing. as per details above. with minimum 2 years warranty.should be connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture.	28	No		
c)	Supply and installation of Call bell with Indicator. (Max or equivalent make)	4	No		
d)	Supply and installation of Exhaust fan of 300 mm, fresh air ventilator type with louver complete & 6 Amp. 3 pin TOP. (Crompton/ Khaitan, havells, Usha, Bajaj make) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor]	3	No		
e)	Supply and installation of 48" Ceiling Fan with fan speed modular regulator, Max. 3 feet Fan Rode, Anchor Fastner, etc.(WHITE COLOUR) Orient PSPO or Equivalent approved make in Crompton,Model High Breeze Plus BEE 5 Star labeled ceiling fan, Aluminium body, copper winding	3	No		

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f)	Supply and instalation of 18 / 20W led batten light fixture (T-5) with electronic driver and tube complete with necessary hardwares, etc and 6000K per watt lumens output must be above 90 lumen/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. <u>and 2 years waranty.LED Batten Comprises of Thermally conductive material.</u>	4	No		
C	COMPUTER POWER SUPPLY SYSTEM.:				
1	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 switch 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		
2	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. <u>[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.</u>	22	No		

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D	DISTRIBUTION BOARD AND PANELS :				
1	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. Vertical Type for cable connections				
a)	Removing & Reinstallation of existing Lighting DB including Connection of New Ckt as per requirement	1	No		
b)	Removing & Reinstallation of existing AC DB including Connection of New Ckt as per requirement	1	No		
c)	12 WAY SPN DB: (PDB) Near main Panel incoming : 40A FP,100mA RCCB -1 NO outgoing : 6 to 10A SP MCB (8 nos) All MCB must be C Type Characteristic	1	No		
d)	12 WAY SPN DB : (UPS O/P DB) OUTPUT Making connections of circuits In Coming: 32 A,100mA DP ELCB -1 Nos. Outgoing: 10 to 20 A SP MCB -8 Nos.	1	No		
e)	8 WAY SPN DB : (UPS I/P DB) In Coming: 40 A FP MCB -1 Nos. Outgoing: 32A DP MCB - 2 Nos.	1	No		
2[a]	Reinstallation Of Existing Main Panel Board Maintenance of existing panel, DBS will involve internal cleaning by blower, cleaning of contactors terminals by cotton, CTC liquid reconnections as per requirement Providing cable glands, suitable lugs as per requirement proper body earth by 8G G.I wire/ bare copper wire (Shifting From existing same Premises to New location)	1	No		
2[b]	Supply Installation testing and commissioning of 40 A FP RCCB 100mA Sensitivity RCCB for 3 phase Cassette AC Unit as required in Main Panel Board	2	No		
E	EARTHING SYSTEM:				
2	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.				
a)	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.	30	Rmt		
b)	8 SWG CU. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete	30	Rmt		

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F	CABLES & CABLE TERMINATIONS:				
1	Supply, Lying, installation, testing and commissioning of following sizes of PVC insulated PVC sheathed copper / aluminum conductor armoured cable to be laying in existing cable 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) with Complete termination & Metal Glanding				
a)	3 x 2.5 sq. mm Cu . Conductor YWY cable. (for Signboard)	25	Rmt		
b)	4 X 16 sq mm Cu. Armoured Conductor YWY Cable from Main Panel to AC DB.	5	Rmt		
c)	4 x 6 sq. mm Cu. Armoured Conductor YWY cable. (Main Panel to Input UPS DB, L DB & PDB)	15	Rmt		
d)	4C X 4 sq mm Cu YWY armoured cabel from Main Panel to Out Door 3.0 Tr/ 4.0 Tr cassate AC.	45	Rmt		
e)	Removing & Refixing of existing Main Cable including New Cable Gland & Lugs as per site requirement	5	Rmt		
G	TELEPHONE AND STRUCTURED CABLING :				
1	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 kroone box to table tele. points, etc. complete. <u>Cross Ferruling need to be provided for each point. on Telephone point tagging must be done.</u>				
a)	for Intercom/Direct Tele. facility.	18	No		
2[A]	Supply, installation, testing and commissioning of 20 pair krone telephone tag block duly enclosed in sheet meral powder coated box with locking arrangement complete with necessary terminations	1	No		
2[B]	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].	30	Rmt		

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3[A]	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 complet 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 metal rack to table I / O points complete.(<u>one for LCD) One for IP phone facility in BM cabin. Dual RJ45 I/O point in Single plate not allowed. Cross Ferruling need to be provided for each point. on Data point tagging must be done.</u>	24	No		
3[B]	Supply and crimping of RJ 45 connector with proper testing.	24	No		
3[C]	Supply & fixing the Patch cord 1 mtr. Long (factory built) .-When supplying , then first ask to Owner / Consultant / Architect / Authority.	24	No		
3[D]	Removing & fixing the existing Patch cord 1/2 mtr. Long (factory built). When supplying, then first ask to Owner / Consultant / Architect / Authority.	24	No		
4	Removing, Re-installation, testing and commissioning of 9U metal rack with 2 nos. adjustable self for seperating router & Modem, P.P., switch, computer clamping switch etc. complete with Tray Mounting cooling Fan + power supply board with surge supressor. hardware - port switch / patch panel must be installed by ele. Contractor in this rack.	1	No		
4[a]	Supply, installation, testing and commissioning of 24 port Cat - 6 patch panel of 'D' Link make complete as directed.	1	No		
5	SITC of CABLE TV RG - 6 cable line in PVC Conduit pipe with proper fixing and connecting with modular Co-Axial TV Socket	15	Rmt		
6	Providing temparaly wiring in area which will be redesigned & Providing Necessary plug points & light points for tube lights (including nesssry 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 accessaories 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.ordintion 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. officer hardware accessories.	1	No		
7	Removing, Rearranging the existing Light, Fan Points, Ckts including Re-installation of Fittings, Fans as per New Drawing Layout (Contractor must visit site before quoting rate)	1	Job		
	<u>TOTAL COST OF ELECTRICAL WORK</u>				