

Subject	Proposed Interiors for State Bank Of India, Officer's Cabin of various departments.				
	BOQ - Electrical Work - 1				
	ITEM DETAILS	QTY.	UNIT	RATE	AMOUNT
	PART- A :				
1	Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex) to be laid as per drg.				
a)	3X6 sq. mm copper conductors armored cable with one Nos. 8 SWG GI wire (For UPS Supply only)	40.00	mtr.		
b)	3X2.5 sq. mm copper conductors armored cable	20.00	mtr.		
2	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium/Copper conductor cable of 1.1 kV grade as required.				
a)	3X6 sq. mm Copper cable gland.	12.00	no.		
b)	3X2.5 sq. mm Copper cable gland.	4.00	no.		
	COMPUTER POINTS & DISTRIBUTION				
3 / i	UPS POINT - Supply all material, storing, handling, fixing of computer points computer points in suitable size of GI/PVC box including providing 3 nos 5 amps 3 pin modular sockets to be provided under table top and controlled by 1 no 15 A moduler type switch and indicator with moduler cover plate etc complete as required including 3X2.5 sq. mm copper armored cable. Note: Maximum two computer points are to be provided on one circuit. (Switches : Make: Anchor/Crabtree/North-West/MK.	12.00	each		
ii	UPS POINT - As per item above but with 2 Nos. 15 A 5 pin socket controlled by 1 no 15 A switch and indicator.	1.00	each		

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4	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. Make: Havells/HPL/Standard/ Legrand/L&T.				
a)	6 way SPN MCBDB comprising of 1 No 63 Amp DP Isolator and 4 No SPMCB 10/16 Amp. (UPS output)	2.00	No		
b)	4 way SPN DB comprising with 2 no. of 63 amp DPMCB.	2.00	no.		
5	<u>RAW POWER:</u> Supply all material, storing, handling, fixing of Raw power points in suitable size of GI/PVC box including providing 1 nos 15 amps 6 pin modular power sockets to be provided controlled by 1 no 15 A moduler type switch and indicator with moduler cover plate etc. (Black Colour - matte finish) complete as required including 2X2.5 sq. mm FRLS copper wire + 1 x 2.5 earth wire in dia 2 mm in thickness ISI Mark PVC pipe. Note: One RAW power points are to be provided on one circuit and directly to be connected on Power DB. (Switches : Make: Anchor/Crabtree/North-West/MK	6.00	each		
6	Basic electrical Wiring of light points, plug points				
	Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with 6Amp modular switch, modular plate (Black Colour - matte finish) , suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.(Wires Make: Havells / RR Kable / KEI/Finolex) (Switches : Make: Anchor/Crabtree/North-West/MK)				
	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC conduit for circuit/sub main wiring along with earth wire)				
a)	single 6 Amp Switch (Black Colour - matte finish) controlling 1 light point for T-5, Cove light, exhaust Fans, Ceiling fan and other seprate room supply only.	10.00	no.		
b)	single 6 Amp Switch (Black Colour - matte finish) controlling 4 no. LED downlight / 2 no. 2'- 0"x 2'-0" light fittings.	20.00	no.		

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c)	single 6Amp socket controlled by 5Amp Modular switch in switch boards with switch & socket (Black Colour - matte finish) in separate switch board etc complete as required.	6.00	no.		
d)	One switch controlled by one socket (Black Colour - matte finish) (independent for wall fan etc.)	8.00	no.		
7	Light point/ ceiling fan / wall point/ exhaust fan point without wiring with 6Amp modular switch, Modular socket, modular plate (Black Colour - matte finish), suitable GI junction & switch boxes & clip etc. as required. (Switches : Make: Anchor/Crabtree/North-West/MK).				
a)	Replacement of existing 5A piano type switch with new 5A Moduler type switch (Black Colour - matte finish) .	10.00	no.		
b)	Replacement of existing 5A socket with new 5A Moduler type Socket (Black Colour - matte finish) .	5.00	no.		
c)	Replacement of existing 15 A piano type switch with new 15A Moduler type switch (Black Colour - matte finish) .	5.00	no.		
d)	Replacement of existing 5A socket with new 5A Moduler type Socket (Black Colour - matte finish).	5.00	no.		
	Note: Lihgts/fans points to be calculated by numbers of lights and no extra cost shall be paid for dummy switch.)				
	TELPHONE & DATA CABLE				
8	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I./PVC box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. (Make: Dglink/KEI/Finolex)	8.00	no.		

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9	Data cabling work for computer networking starting from mounting rack at system room with UTP CAT-6e LAN Data cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, Tees, junction boxes including providing and fixing cat-6 I/O plates and SMB complete with all networking accessories etc complete as reqd. (Make: D-LinK/MOLEX/AMP/COMMSCOPE). Note: Only One Data Points to be provided in One Table/Counter. Extra poitns not to be paid if provided. Maximum 6 no. data cable must be run in one pvc pipe. (Extra Data points not to be provided as per bank's guidlines)	4.00	no.		
10	supply, installation, testing and commissioning of factory manufactured CAT- 6e patch chord complete with 2 no. connectors etc. complete as reqd.				
a)	1 mtr. long	16.00	no.		
b)	2 mtr. long	8.00	no.		
	PART-V : AIR CONDITIONING REFRIGERATION/DRAIN WORKS				
11	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Air Conditioners units complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make: Total Line/Armacell)				
a)	1/4" + 1/2" Refrigerant Copper piping - For Hiwall Split AC's (1.0Tr / 1.5Tr) to be provided as per drg. (for ATM)	10.00	mtr.		
12	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 25 mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)	20.00	mtr		
13	Supplying and providing Eletrical flexible FRLS Copper cable of 3 x 2.5sq.mm multi strand suitable for 1.0Tr / 1.5 Tr H.W Split / 2.00 Tr Cassette Multi-runs between Indoor & Outdoor units and between Metal Clads to Out door (for all AC) for electrical supply etc complete as required (Make: Havells/ RR Kable / KEI/Finolex)	30.00	mtr		

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14	Grills and diffusers - SITC of Alluminium air Grills/diffusers for air supply & Return Providing & fixing in position powder coated aluminum Air louvers fixed in Duct / partition matching to existing with all required hardware including removing of existing, complete.	2.00	Sq. mtr		
15	Cost of maintaning & working 24 X 7 from date of commensment of work to date of completion. The work includes temporary shifting of Departments with in the building premises after that permanentaly, required connections of UPS, networking & lighting etc. complete. The work includes removing & required refixing as required of all fixtures, conduits / wires / cables / all kind of electrical equipments, temporarily / permanently as required. The work including all type of lead / lift, shuttering & scaffolding for all heights & disposable / removal of malba to an unobjectionable place from the site. All old material excluding malba is the property of bank & hand over to the bank authorities. During the period of of renovation all arrangements shall be made to functional the branch.	2.00	Job / Per office		
	PART- B :				
	<u>LIGHTS & FANS FIXTURES</u>				
16	SITC of 2"x2" Celing grid 33-36 watt LED panel fixtures with essential driver in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point (roof etc.) in PVC flexible pipe etc Complete as reqd. Cat. No. BZRSQL 43L LED GF of Bajaj or equivalent of Philips / Wipro. 120 Lumens per Watt. Color temperature 6000K. Note : No, extra payment will be made on account of providing frame for lighting in Gypsum ceiling.	12.00	no.		
17	SITC of 15 watt recess mounted LED down lighter with essential driver, assembly complete with including making necessary connections etc. mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point (roof etc) in PVC flexible pipe etc complete as reqd. Complete as reqd. (M/s Crompton Cat No. LCDE-15-CDL or equivalent of Philips/Wipro/ Bajaj)	20.00	no.		

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18	SITC of 5 watt (Colour - Warm White) recess mounted LED down light with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj).	6.00	no.		
19	Supply of 450 mm sweep full metal Body and metal Blades Crompton greaves (or equivalent) SDX BLCK GOLD wall fan etc. 1325 rpm Mode complete as required. (M/s equivalent of Orient / Bajaj / Havells / Usha).	6.00	no.		
20	LED Strip light (4.5/5 watt) of wharm white shade for cove (M/s Phillips /Wipro / Bajaj / Crompton / Havles / Osram Complete in all respects with suitable drivers.	60.00	MTR.		
	TOTAL OF PART : I +II+III+IV+V (A)				
	TOTAL OF PART : VI (B)				
	TOTAL AMOUNT (A+B)				
	GST extra as per applicable				