

Subject	Proposed Electrical work for State Bank of India Regional Business Office IV at Jallandhar. (PB.)				
	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/ Polycab / Finolex)				
a	3X6 sq. mm copper conductors armored cable with one Nos. 8 SWG GI wire (For UPS DB)	30.00	mtr.		
b	3X2.5 sq. mm copper conductors armored cable (For AC Supply - AC DB to metal clad box)	35.00	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.	6.00	no.		
b	3X2.5 sq. mm Copper cable gland.	6.00	no.		
3	Cost of maintaining & working 24 X 7 from date of commensment of work to date of completion.	1.00	Job		
	COMPUTER POINTS & DISTRIBUTION				
4	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 (to be provided above the table top in partition) with moduler cover plate etc. & suitable gland with termination 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: Legrand/Crabtree/North-West/MK	10.00	each		
5	Providing & fixing premium quality double charged (1st quality) vitrified tiles (similar to existing tile) for new wiring as and where required of approved make in flooring laid in any pattern(with 3-4mm spacer) as specified over base of 20 mm thick cement coarse sand mortar 1:3,and jointed with white cement slurry mixed with pigment to match the shade to tiles or adhesive.The tiles shall be of premium quality double charged (first quality) of reputed manufacture i.e. JOHNSON/NITCO/KAJARIA/NIRO GRANITE. The work includes cleaning of NOTE : PCC to maintain the floor level is included in the rate if required not more than 75mm-100mm., no additional payment will be made for PCC beneath tiles. The work also includes dismantaling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site.	45	Sq.mt		
6	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/Indoasian/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)	1.00	No		

b)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP TPN MCB and 6 Nos.32 A DPMCBs etc complete as required. (for Air conditioning only).	2.00	no.		
7	RAW POWER: 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 modular type switch and indicator with modular cover plate etc complete as required including 2X2.5 sq. mm FRLS copper wire + 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: Legrand/Crabtree/North-West/MK	4.00	each		
8	RAW POWER: Supply all material, storing, handling, fixing of Raw power points in suitable size of GI/PVC box including providing 1 nos 05 amps 06 pin modular power sockets to be provided controlled by 1 no 05 A modular type switch with modular cover plate etc complete as required including 2X1.5 sq. mm FRLS copper wire + 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: Legrand/Crabtree/North-West/MK	10.00	each		
9	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, 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/ Polycab / Finolex) (Switches : Make: Legrand/Crabtree/North-West/MK) (Maximum 06 no. wire in one 2mm thick 25mm pvc pipe)				
	(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 controlling 1 light point for required T-5, Cove light, exhaust Fans, Ceiling fan, 2x2 ft LED light and other separate room supply only.	15.00	no.		
b)	single 6 Amp Switch controlling 2 no. LED downlight	20.00	no.		
c)	single 6 Amp socket controlling by 5 Amp Modular switch in switch boards complete as required.	10.00	no.		
d)	One switch controlled by one socket (independent for wall fan etc.)	6.00	no.		
	Note: Lights/fans points to be calculated by numbers of lights and no extra cost shall be paid for dummy switch.)				
	TELEPHONE & DATA CABLE				
10	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolytic 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/Polycab/Finolex)	6.00	no.		
11	Providing , Laying, testing & commissioning of 30 pair telephone cable from outside govt. / bsnl DB to Rack for lease line, ISDN of Make: Delton, finolex, polycab.	15.00	mtr.		
12	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 with Furling need to be done for marking of networking cable at both end of the point i.e.	12.00	no.		

in the rack as well as seat (plastic printed colour numbering tags)
complete as reqd. (Make: D-Link/MOLEX/AMP/COMMScope).
Maximum 05 no. data cable must be run in one pvc pipe. (Extra Data
points not to be provided as per bank's guidelines)

	AC WORKS				
13	Supply and installation of GI tray of following sizes including horizontal and vertical bends, cross member with suitable hangers and supports complete as required.				
	150mm (wide) x 50mm(depth) x 1.6mm (thick)	20	Mtrs.		
14	Electrical Panel				
	Designing, Supply, Erection, Testing & commissioning of indoor Type LT cubical panel enclosure (dust, vermin and inter change able modules with facilities for extensions or reduction as per the space or requirements) with digital Voltmeter & Ammeter with R-B-Y Phase Indicator Lamp. fabrication with 2.0 mm CRCA Sheet Powder coated with sienens grey shed (RAL 7032) outdoor Protected type IP-55. cable entry from bottom. Bus BAR - 200 Amp. Approx Size 700X450X300 mm	1	Nos.		
15	Supply and erection of Moulded Case Circuit Breaker (Panel mounting Cubical type) in the existing Cubical Panel (confirm to IEC:60947-2) having Ics=100% Icu, 100% neutral with spreader links and relevant PWD general specifications complete with G.I. Bolts, Nuts & Connection on both sides of MCCB with suitable size of thimbles etc:-				
	TPNMCCB 63 amp. 415volts, 25kA	3	Nos		
16	Supply, laying and erection of Copper conductor XLPE insulated PVC sheathed armoured and served cable 1100 volts grade as per IS 7098 (Part-1)1988 to be laid loose in the existing trench or pipe as per PWD General Specifications:-				
	Overall size 50sq.mm (3½ Core) Armoured (Loose)	10	Rmt		
	Overall size 10sq.mm (3½ Core) Armoured (Loose)	30	Rmt		
	Overall size 1.5sq.mm (3 Core) Armoured (Loose)	80	Rmt		
17	Minor Civil Work				
	All necessary civil works like Making foundations ,cutting, chasing and making holes/opening in walls/floor/ glass/RCC Slab etc. and make them good thereof. Including Scaffolding centring and shuttering, and material as required complete job in all respect as directed by bank/Architect/Consultant	Job/lum p sum	1		
	PART- B : LIGHTS & FANS FIXTURES				
18	SITC of 2"x2" Ceiling 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 in PVC flexible pipe etc Complete as reqd. Cat. No. BZRSQ 43L LED GF of Bajaj or equivalent of Philips / Wipro. 120 Lumens per Watt. Color temperature 6000K. Make Phillips / Wipro / Crompton.	6.00	no.		
19	SITC of 15 watt LED fixtures /dowlighters 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 in PVC flexible pipe etc complete as reqd. Make Phillips / Wipro / Crompton.	15.00	no.		
20	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd Make; Phillips / Wipro / Crompton.	2.00	no.		
21	Supply of 400/450 mm sweep Metal Body and Metal Blades Polar(or equivalent) SDX BLCK GOLD wall fan etc. 1325 rpm High Flow Mode complete as required with rotation feature (M/s equivalent of Havells / Usha Orient / Crompton greaves)	6.00	no.		

