



Shifting of Phulbari Branch
Break-up of Quantities(BOQ) for Electrical Installation Works

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST on work contract)	Amount (Rs.) (Exclusive of GST on work contract)
1	Main Panel :- Supplying, Installing, testing and commissioning of fabricated floor mounted cubicle type districution Panel Board suitalbe for 415 V comprising of suitable copper bus bars, 250A 4P MCCB as incoming and 2 Nos. of 125A 4P MCCB and 1 No. of 63A 4P MCB at outgoing in compartmentalized chamber fully isolated with 2 mm thick steel sheet and 3 mm steel channel painted with 2 coats of red oxide primer paint followed by finishing paint with interconnection etc. as required.(MCCB make - Legrands/ Havells or equivalent)	Set	1		
2	Sub-main line:- Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all materials supply ,installation connection complete as per circuit diagram and as required from main DB to various DBs:-				
i)	with 3nos 4sq.mm (1ECC)	RM	110		
ii)	with 3nos 6sq.mm (1ECC)	RM	220		
3	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DBs and MCBs - Legrands / Havells or equivalent) and connecting the same to the system.				
i)	Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 3nos 10A SP MCB as outgoing.	No.s	3		
ii)	DB with 40A DP MCB.	No.s	2		
iii)	DB with 63A DP MCB.	No.s	2		
iv)	DB with 16A DP MCB.	No.s	2		
v)	DB with 32A DP MCB.	No.s	10		
vi)	VTPN Distribution Board with 125A 4 Pole MCCB (36kA) as incomer and 10 Nos. 25 A SP MCB's at outgoing	Set	1		
vii)	VTPN Distribution Board with 125A 4 Pole MCCB (36kA) as incomer and 1 No. of 63A SP MCB , 6 nos. of 32 A SP MCB, 2 nos of 16A SP MCB at outgoing	Set	1		
viii)	Light DB SPN double door with 32A (30mA)DP MCB as incomer & 3nos 10A SP MCB as outgoing.	No.s	2		



4	Supplying, installing and commissioning of PVC Armored cable complete with cable glands and two nos. of 8SWG GI wire (Havell's/Richa/RR kebel/KEI or equivalent)				
i)	With 3.5 core x 35 sq. mm cable	RM	100		
ii)	With 3.5 core x 95 sq. mm cable	RM	70		
5	Supply, installing and commissioning of earth station including digging and refilling back the pit with black soil and with 3.15mm x300mm size copper plate duly tinned through out the surface of the plate, placed at least 1.5Mtr,below the ground level with 2nos 10sq.mm PVC insulated stranded copper conductor in 20mm GI pipe, fixed to the plate and providing 40mm,2mtr,long GI pipe with reducer and funnel at top for watering pipe with supplying and laying earth continuity wire of 2x10sq.mm copper stranded PVC green color in heavy duty MS conduit on the wall from earth plate to starting point of the line earth connector.	Set	4		
6	Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48(maximum three points in single circuit)				
i)	With 3nos 6A socket with single 16A switch.	No.s	17		
ii)	With 2nos 16A socket with individual switch.	No.s	8		
iii)	With 1nos 16A socket with individual switch.	No.s	10		
7	Supply, installation testing and commissioning of recessed mounted circular LED downlighter with 17W LED lamp. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent.	Nos	4		
8	Supply, installation testing and commissioning of recessed type LED luminaire with complete PMMA Difuser with 35W LED lamp (size 2"X 2"). Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	26		



9	Supply installation testing and commissioning of LED Single Tube light fittings with 18W at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	18		
10	Supply and installation of Ceiling fan 1200 mm crompton/bajaj/usha/havell's make	No.s	4		
11	Supply and installation of Wall Mounted fan 400 mm crompton/bajaj/usha/havell's make	No.s	15		
12	Supply and installation of Exhaust Fan 300 mm crompton/bajaj/usha/havell's make	No.s	5		
13	Supplying, installation, testing & commissioning of Security ligh with 25W LED lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary GI bracket with clamp. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos.	4		
14	Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor wire(Finolex/Havell's/Richa/RR kebel/KEI or equivalent) for phase, neutral and earth in 25 mm dia heavy duty MS conduit along with associated accessories like MS junction boxes, bends, saddles, screws et. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 10 Amp modular plate type switches etc.(MK/Legrand's/Havel's or equivalent), as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and as per site requirement and as instructed by engineer.				
i)	one light/fan controlled by one switch	No.s	68		
ii)	6A socket & switch at same board	No.s	10		
iii)	Fan Point with electronic modular type regulator.	No.s	4		
GST on work contract will be extra as applicable.				Grand Total	