

PARTIAL RENOVATION OF ADMINISTRATIVE OFFICE JORHATBRANCH
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	a. Main Panel :- Shifting of Main panel from 1st floor to ground floor which include disconnection and reconnection of all the cable with proper lugs if required, cleaning of whole panel inside out and external painting.	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 supply ,installation, commissioning of all the materials required including proper termination,connection in complete as required from main DB to various DBs:-				
i)	with 3nos 4sq.mm (1ECC)	RM	180		
ii)	with 3nos 6sq.mm (1ECC)	RM	210		
3	Point wiring with 660 V grade PVC insulated multi stranded copper wire through ISI marked in MS conduit with junction box ,circular box, elbows ,bends, couplers and other accessories concealed (below the false ceiling) or by chase cutting on wall /floor or on surface by bar saddles :				
a	2 X1.5 sq mm in 20 mm dia conduit for light poing	Mtrs.	80		
b	3X2.5 sq mmin 20 mm dia MS conduit for socket plug	Mtrs.	350		
4	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB,MCB and MCCB Make- Legrands/ Havells/ L&T/ SIEMENS or equivalent) and connecting the same to the system.				
i)	Computer/Raw power DB, SPN double door with 40A (30mA)DP RCCB as incomer & 5nos 10A SP MCB as outgoing.	No.s	6		
ii)	DB with 40A DP MCB.	No.s	4		
iii)	DB with 16A DP MCB.(Security and fire)	No.s	2		
iv)	DB with 32A DP RCCB.	No.s	8		
v)	DB with 25 A 4P RCCB	No.s	7		
vi)	DB with 40A MCB Changeover	Nos.	1		
vii)	VTPN Double Door Distribution Board with 160A 4 Pole MCCB (36kA) as incomer and 1 No. of 63A TP MCB , 4 nos. of 40 A SP MCB, 2 Nos. of 32A MCB and 2 nos of 16A SP MCB at out going	Set	1		
viii)	Light DB SPN double door with 40A (30mA)DP RCCB as incomer & 5 nos 10A SP MCB as outgoing.	No.s	4		
5	Supply and installation of various rating of SP,DP, TP MCB C curve				
i)	MCB SP 10A-32A	No.s	10		
ii)	MCB DP 25A- 40A	No.s	5		
iii)	MCB TP 25A-32A	No.s	8		
6	Supplying, installing and commissioning of PVC Armored cable complete with proper cable glands and two nos. of 8SWG GI wire (Havell's/Richa/RR kebel/KEI or equivalent) alongwith all the other materials required including proper connection in complete as required from main Panel,Power Distribution Board to various DBs .				
ii)	With 3.5 core x 50 sq. mm cable	RM	120		

7	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 with proper earth pit.	Nos.	3		
	i) Supplying and fixing 25x3 mm copper strip, insulated by heat pressurized heavy gauge PVC sleeve, duly jointed by full lap brazing and drawn underground in 40 mm class B GI pipe from the inspection pit to the inside of the branch premises.	RM	10		
	ii) Supplying and fixing 2X8 SWG dia copper earth wire in PVC conduit on surface or in recess for loop earthing from panel to DB	RM	50		
8	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 /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	15		
ii)	With 2nos 16A socket with individual switch.	No.s	15		
iii)	With 1nos 16A socket with individual switch.	No.s	4		
9	Supply, installation testing and commissioning of recessed mounted circular LED downlighter with 15W LED lamp. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent. (Model: Havells INTEGRANXTDLR15WLED857S TR or Equivalent specification)	Nos	45		
10	Supply, installation testing and commissioning of surface mounted circular LED downlighter with 15W LED lamp. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent. (Model: Havells GLOWDLS15WLED830S or Equivalent Specification)	Nos	6		
11	Supply, installation testing and commissioning of recessed type LED luminaire with complete PMMA Difuser with 36 W LED lamp (size 2"X 2")(Model:Plano or equivalent) . Make : Bajaj/ Havels/ Phillips/ Wipro/ Crompton or equivalent	Nos	10		
12	Supply installation testing and commissioning of LED batten Single Tube light fittings with 20W (Model: Havells LUMILINEBS20WLED865SPCWH or equivalent Specification) with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/ Havels/ Phillips/ Wipro/ Crompton or equivalent	Nos	15		
13	Supply and installation of heavy duty Exhaust Fan 300 mm crompton/ bajaj/ usha/ havells make	No.s	3		

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 SBIIIMS Engineer.				
i)	Light/fan point (Two downlighter/ 2"X 2" recessed light fittings to be connected through one point)	No.s	30		
ii)	Light/fan point (four downlighter/ two 2"X 2" recessed light fittings to be connected through one point)		20		
iii)	6A socket & switch at same board	No.s	5		
vi)	Modular type with 6A SP MCB for Exhaust fan and wall fan	No.s	3		
15	MISCELLANEOUS WORK: RE-USE OF EXISTING FIXTURE				
	I) Carefully removal and safe storing of all the 3nos 6A socket with single 16A, 2 nos 6A socket with single 16A and 1nos 16A socket with single 16A from existing Desk at 1st and 2nd Floor A.O. Jorhat and re-installation at new desk after completion.	lot	1		
	II) Carefully removal and safe storing of all the re-usable lighting fixture, DB's, VTPN's, cables from 1st and 2nd floor of AO Jorhat and re-installation of same after completion of ceiling work.	lot	1		
16	Removal of existing un-necessary wiring from the premises and provision of temporary connection as when and where required.	lot	1		
	Total				

GST on work contract will be extra as applicable.