

**Bill of Quantity**

for

**Provision and Installation of External Power Distribution Feeder Panel near Civil Engineering Extension Building in IITG Campus**

Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (in Rs.)	Rate in Word	Amount (Rs.)
1	Laying of one no PVC insulated and PVC sheathed/ XLPE power cable of 11KV grade of following sizes direct in ground including excavation, sand cushioning , protective covering and refilling the trench etc as required					
	i) above 185 sqmm and upto 400sqmm	mtr	170.00			
2	Supply and making end termination with brass compression gland and aluminium lugs for the following sizes of PVC insulated and PVC sheathed XLPE aluminium conductor cable of 1.1KV grade as required					
	i) 3 1/2 C X 185sqmm	sets	1.00			
	ii) 3 1/2 sqmm 35sqmm	sets	1.00			
3	Earthing with GI earth pipe 4.5mtr long 40mm dia including accessories and providing massoaries enclosure with cover plate having locking arragement and watering pipe etc with charcoal/ coke and salt as required	sets	1.00			
4	Supplying and laying 25mmx5mm GI strip at 0.50 mter below ground as strip earth electrode including connection / termination with GI nut bolt,spring washer etc as required	mtr	5.00			
5	Supply and embedding following GI pipe (medium class) in ground including trenching (75cm deep) and refilling etc as required					
	i) 100mm dia	mtr	12.00			

6	Supply of 1.1KV Grade PVC/XLPE insulated Armored Aluminium underground Cable ( Approved Make ,Havells,KEI,Polycab,RR Kabel,RPG,NICCo,Finolex, CCI Incab)					
	ii) 3 1/2 sqmm 35sqmm	mtr	50.00			
7	Proding and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and thermal spreader in exiting cubicles panel board including drilling holes in cubicles panel, making connection etc as required					
	i) 100A ,16KA TP MCCB	nos.	1.00			
8	Supply and Delivery and fixing of Metal one way Encosure for 4 Pole MCCB as Required	nos.	1.00			
9	Supply of 1.1KV Grade PVC/XLPE insulated Armored Aluminium underground Cable ( Approved Make ,Havells,KEI,Polycab,RR Kabel,RPG,NICCo,Finolex, CCI Incab)					
	i) 120 sqmm 3 1/2Core	mtr	120.00			
10	Design fabrication, Supply installation testing and commissioing outdoor type free standing, dust and vermin proof, fabrication 2mm CRC sheet with powder coating and providing TPN 300A aluminilum busbar @ wiring etc as per following-					
	As Incomer i) 250A 4P 36KA MCCB=1 no ii) Spresder Link for 250A 4P MCCB( Set of 8 Pcs)=1No iii) Extended Rotary handle for 250A 4P MCCB=1 No iv) Digital Multifunction meter ( V,A,PF,KW,KWH) =1 No v) LED Indicator Switch= 3 Nos vi) CT 250/5A CI-1 Tape Wounded=3 Nos vii) 6A SP MCB =3 Nos As Outgoing i) 100 A 4P 25KA MCCB=1 No	No	1.00			

ii) Spreder Link for 100A 4P MCCB ( Set of 8 Pcs)=1 No				
iii) Extended Rotary handle for 100A 4P MCCB=1 No				
iv) 63A 4P 25KA MCCB=4 Nos				
v) Spresder Link for 63A 4P MCCB( Set of 8 Pcs)=4 nos				
vi) Extended Rotary handle for 63A 4P MCCB=4 No				
vii)Earthing Bus =1 No				
<b>TOTAL AMOUNT</b>				
Discount @ .....%, if any				
<b>GRAND TOTAL</b>				

Seal  
Date :

Signature of the Tenderer