

.Estimation for TMD colony Security post(near Dhadanga village)and street light U/G cablingAnnx-To NIT -NoT/M-702

Sl. No.	Item Description	Unit	Qty.	Rate RS	Rate RS	Amount Rs	Remarks
1	Laying of 1.1 KV grade Al cable of 3.5 C X4 /10 /16 /25 /35 / 70 sqmm in under ground trench at 760 mm X 760 wide double tier formation including trench excavation& back filling with brick s(per mtrs &sand with protection route marker Etc .This also includes supply of bricks&	Mtrs	700	In figure	In words		
2	Do- but through 50mm GI pipe Supply of pipe will be in the scope of contractor.	Mtrs	50				
3	Supply &Erection of swaged and welded steel tubular pole of 11.5 mtrs long with weather proof junction box, bracket & accessories This include supply and erection of all materials required for cement concrete foundation. This also include supply and fixing of pole junction box, bracket. painting. marking. Supply and fixing of earthing by one no. of earth spike. 32mm x 2.5 mtrs long MS rod with						
A	Supply						
	Pole	Nos.	8				
B	Installation						
i	Pit digging for grauting of tubular pole, Depth-1950mm x Width 900 mm x 900 mm.	Nos.	8				
ii	Erection of pole	Nos.	8				
iii	Painting of poles including bracket two coat of red oxide & two coat of Allumuriun paint of repued make	Nos.	20				
iv	Earthing of pole by supply of 32mm x 2.5 Mtrs long MS rod & GI conduit & Pipe	Nos.	8				

4	Supply and Erection of Pole bracket & lighting fixture with 1x150 watt HPSV lamp on bracket on 11.5 mtrs high swaged type steel tubular pole. The scope of supply of pole & lighting fixture are in the scope of contractor including all the material required like GI bracket hardware, GI wire, GI pipe are in the scope of contractor. The job also includes drilling of 03 nos 10mm dia suitable size drilled hole in the poles at the top of pole for fixing bracket.					
A	Supply					
ii	150watt HPSV fitting Type -(Sky SGP)	Nos.	8			
	Lamp Elliptical (SON 150 watt)	Nos.	8			
B	Installation	Nos.	20			
5	Supply and Erection of post top lantern with conical cover Type SPCIOI I x SON 70 watt E					
	a) Supply	Nos.	4			
	b) Installation	Nos.	4			
6	Supply & laying of 2 x 1C x 2.5sqmm + 1C x 1.5sqmm, PVC insulated flexible copper cable from pole junction box to luminaire including connection & all accessories as per instruction of Engineer-	Mtrs	400			
7	Erection of outdoor type power feeder pillar box suitable for 415V, 3Phase, 4wire system with 250 Ampere TPN I/C SFU OF " L&T make and 4 nos outgoing feeders with 63 Amps TP MCBs of standard make and AL Busbars of 250A capacity. 35sqmm cup per wires shall be used for connections from busbars to outgoing MCBs. Erection includes preparing concrete foundation and	Nos.	1			
8	Preparing of earthpits with supply of all materials including 3 mtrs. Long, 3.64mm thick perforated G.I. tube with alternate layers of salt and charcoal. The earthpits shall have bricks chamber at the top with chequered plate (6mm thick) with lifting	Nos.	8			
9	Supply & Laying of 25 x 6 mm GI strips underground (500mm) below ground including earth excavation, back filling with bricks protection, approx 4 bricks per meter with supply of bricks) and connection to the equipments as well as	Kg	50			
10	Supply & Fixing of outdoor type automatic street lighting panel having distribution with MCBs & Contactors, ML-4 Isolators etc. This also includes supply, fixing & connection of light sensor photo cell with the control panel.	Nos.	1			

11	Erection of outdoor type power feeder piller box suitable for 415V,3Phase,4wire system with 250 Ampere TPN I/C SFU OF " L&T make and 4 nos outgoing feeders with 63 Amps TP MCBs of standard make and AL Busbars of 250A capacity. 35sqmm cup per wires shall be used for connections from busbars to outgoing MCBs. Erection includes preparing concrete foundation and grouting with supply of hardwares.	Nos.	1				
	Total						