

Erection & commissioning of New B' Type Sub- station NIT-No -TMD/MIN-680 (Re-Tender)						
Sl. No.	Description of work	Quantity		Rate (Rs)		Amount (Rs.)
		Value	Unit	In figure	In words	
1	Installation of 500 KVA Transformer 6.6KV /433Volts on foundation (Apprx. 3 Tone to 5 Tone) Transformer shifting from Dept. store to site to be scop of conrector.	1	No.			
2	Installation of 3 panel HT switch gear .All fixing materials to be supplied by scop of conrector.	1	Set			
3	Instalation of LT switch gear.All fixing materials of LT switch geart- to be supplied by scop of conrector.					
	i) 5 feeder LT switch gear	1	Set			
	ii) MLDB panel	1	Set			
4	Laying & instalton of 3 C x120 Sqmm XLPE AI cable 6.6 KV Underground i) In underground cable trench buried 600 mm (W) x 1000 mm (D) cable in under ground trench in double layer of (Horizo) including trench excavation back filling providing top and side bricks (16 sixteen bricks per/mtr) sand routs markers as per instructio of Engineer incarge. ii) In pre - construted cable trench	800	M			
		50	M			
5	Laying & instalton of LT cable in underground gable trench buried 500mmx750mm(D) and in Pre - construted cable trench. i)1C X240 Sqmm PVC copper armoured ii)3 x 1/2 C x185 Sqmm PVC AL Armoured iii) 3x 1/2 Cx120Sqmm PVC AL armoured cable	200	M			
		800	M			
		500	M			
6	Termination of 3C x 120 Sqmm XLPE 6.6KV armoured cable including supply of kits. i) Indoor ii) Out door/straight through	6	Nos			
		4	No.			
7	Termination glanding soketing of LT cable ii) 3x1/2 Cx185 Sqmm PVC AL armoured iii) 3x 1/2 Cx120Sqmm PVC AL armoured cable iv) 4C x 4 Sqmm Pvc AI armoured	18	cable ends			
		16	cable ends			
		14	cable ends			
8	Intallation of 4C x 4SqmmPvc AI armoured saddle on wall for lighting purpose.	150	M			
9	Supply and Installation of 2 x 40 watts Tube light fixture on wall,Philips Cat. Ref : Opalite TCSO192x TL D36W Supply Installation	10	No.			
		10	No.			
10	Installation of 1 x 70/150 watt HPSV light fixture on wall Philips make Cat Ref no. SRX066 IXSON70W Supply Installation	7	No.			
		7	No.			
11	Supply & installation of earthing pit using pipe earth electrodes as per latest IS. This includes supply & fixing of earth connections with 4SWG GI wire and necessary nuts, bolts, washers etc & restarting the source to original finish. This includes supply of material.					
	i)supply	12	No			
	Isntallation	12	Nos			
12	Supply &Installation of MS Box switch board with sunmica cover with 8 Nos 6Amps piano switches & 1 No 5/15 Amps Five pin socket i) supply 6'x 8 x 4' MS Box Isntallation ii)Supply 6Amps piano switch Installation	1	No			
		1	No			
		1	Nos			
		1	Nos			

	i) supply 5/15 Amps five pin socket	1	No			
	Installation	1	No			
13	Laying installation of 50 x 6mm GI flat buired in ground not less then 500mm deep & connection to earth pits.					
	i) Supply	200	Kg			
	Installation	200	Kg			
14	supply Instalation of lighting distribution box with TPN 63 Amps incomer MCB and 20 Nos 6 Amps outgoing MCBs					
	i) Supply (DB) Box Code 53233 8 Way TPN Box (ANCHOR)	1	No.			
	Installation	1	No			
	ii) Supply TPN 63 Amps Code No 36391	1	No			
	Installation	1	No			
	iii) Supply MCB 6 Amps	20	Nos			
	Installation	20	Nos			
	iii) Supply MCB 10 Amps	3	Nos			
	Installation	3	Nos			
15	SUPPLY & Installation of MS box switch board with sunmica cover with 8 Nos 6 Amps piano sitches and 1 No 5/15 Amps five pin socket.					
	i) Supply 8" x 10" x 4" MS Box	1	No			
	Installation	1	No			
	ii) Supply 6 Amps piano switch	8	Nos			
	Installation	8	Nos			
	iii) Supply of 5/15A five pin socket	1	No			
	Installation	1	No.			
16	Supply & fixing of MS junction boxes for lighting circuit.					
	i) Supply 6" X 8" x 4" MS Box	1	No.			
	Installation	6	Nos			
	ii) Supply 4" x 6" x 4"	6	Nos			
	Installation	4	Nos			
	iii) Supply 4" x 4" x 3"	4	Nos			
	Installation	4	Nos			
17	Supply & Installation of wall mounting type axial flow Exhaust fan of 450 mm sweep 900 Rpm suitable for single Ph 240 volts AC supply complete with fan wheel motomrs & coupling protection guard supporting struture .The above includes cutting necessary size of hole and mending good damaagesto original.					
	Supply	3	Nos			
	Installation	3	Nos			
18	Supply & fixing horizontal runs & vertical runs with 4 SWG GI wire on roof/parapet with 40mm long GI staples spaced not exeeding 1M(3') apart including making good all damages to building.					
	a) Vertical runs	50	M			
	b) Harizontal runs	150	M			
	Installtion	4	Nos.			
19	Making solded joints between conductors to conductors and terminals for GI Wire including supply of jointing materials and painting with 2 (two) coats of bituminous paint.	15	Nos			
20	Supply & Installation G I Pipe 3mts log x 1.5 mm(1/2') bore (class B) air terminals having 7.5cm(3') dia x 6mm (1/4') thick GI Flange at bottom end 4 (Four) discharge points With 4 SWG galv. Iron wire grouted on the paraoet in cement mortar.					
	1) Supply	7	Nos.			
	2) Installtion	7	Nos.			
21	Supply & fixing GI pipe 15mm dia protection with necessary fitting & jointing materials as required for medium type of GI pipe connection to corrsponding earthing elctrode					
	Supply	20	M			
	Installatoion	20	M			

22	Installation of MDBs /JBs including shifting concreting and supply of all required hardwares MDB & JB will be supplied by UCIL. All civil work involved will be done by the contractor with out any extra cost.					
23	Supply & installation of Swaged and welded steel tubular pole of 9.5 Mtr Long with weather proof junction box. Bracket and accessories this included supply and erection of all materials required for cement concrete foundation .This also includes supply and fixing of pole junction box bracket painting marking supply and fixing of by one No earth spike 32mmx2.2 Mtr long MS rod with necessities.					
	Supply	5	Nos			
	Installation	5	Nos			
24	Supply & installation of street lighting fixture with 1x70 watt HPSV lamp Philips Type SR 0661x SON 70W (complete set SON(E) installed on 9.5 Mtr high swaged type steel tubular pole complete with supply and fixing hardwares. This also includes drilling of 3No 10mm holes in the pole at the top of fixing of bracket.					
	Supply	7	Nos.			
	Installation	7	Nos.			
25	Supply & installation of 2x1/C 2 +1x1C 1.5 mm2 PVCinsulated flexible copper cable from pole junction box to luminaire including connections and all accessories as per instruction- Engineer-in charge.					
	Supply	100	M			
	Installation	100	M			
24	Laying & Installation of 1.1KV grade PVC AL armoured cable size 2C/4Cx16 sqmm cable in under ground trench in single layer for (Horiz.) including trench excavation back filling providing top and side bricks sand cable route markers as per instruction Engineer in charge Trench Size 600mm (W)x 750 mm (D)	200	M			
25	Point wiring on casing capping /PVC conduit on wall/ceiling by PVC insulated and sheathed AL conductor cable 2x 1C x 2.5 Sqmm +1.5 Sqmm for earthing .& 2 x 1C x6 Sqmm + 1 x 1.5 Sqmm for earthing for switches(15 A)/ Sockets(15A).This includes supply and fixing of casing capping and all accessories like round blocks JB cable /wires switches/board etc.and fixing materials as requireds (Each point should be considered as 10 Mtrs)	50	Nos			
26	Supply & laying of 2 x 1C x 4 Sqmm PVC insulated & sheathed AL conductor + 1 C x 1.5Sqmm for earthing in.					
	a) 16 / 25/35 mm dia .2mm thick PVC conduit	150	M			
	b) Through 20/25mm thick PVC Channel	150	M			
27	Laying & Installation of 1.1KV grade PVC AL armoured cable size 2 C/ 4C x16 Sqmm cable on under ground trench in single layer for (Horiz.) including trench excavation back filling providing top & side bricks sand cable route markers as per instruction Engineer in charge Trench Size 600 mm (W) X750 MM (d)	200	M			
28	Installation of MDBs /JBs including shifting concreting and supply of all required hardwares MDB & JB will be supplied by UCIL. All civil work involved will be done by the contractor with out any extra cost.	2	Nos			
29	Connection Testing & Commissioning					
	TOTAL-					
	TOTAL(In words)					