

Package B**Various types of O&M works in Substations**

Sl. No	Description of Work	UoM	Itemwise Lowest Rate
1	Replacement of damaged clamp of CT/PT		
a	For 33kV Level	Per Job	1050.00
b	For 132kV Level		1185.00
c	For 220kV Level		1300.00
d	For 400kV Level		2000.00
2	Replacement of damaged clamp of Isolator		
a	For 33kV Level	Per Job	1050.00
b	For 132kV Level		1185.00
c	For 220kV Level		1300.00
d	For 400kV Level		2000.00
3	Replacement of damaged clamp of Breaker		
a	For 33kV Level	Per Job	1040.00
b	For 132kV Level		1185.00
c	For 220kV Level		1300.00
d	For 400kV Level		2000.00
4	Replacement of damaged clamp of LA		
a	For 33kV Level	Per Job	1050.00
b	For 132kV Level		1185.00
c	For 220kV Level		1300.00
d	For 400kV Level		2000.00
5	Replacement of damaged clamp of CVT		
a	For 33kV Level	Per Job	1100.00
b	For 132kV Level		1185.00
c	For 220kV Level		1300.00
d	For 400kV Level		1529.00
6	Replacement of damaged clamp of Transformer		
a	LV Side upto 33kV Level	Per Job	1200.00
b	HV Side above 33kV level.		1500.00
7	Replacement of damaged clamp of Bus/etc		
a	Upto 132kV Level	Per Job	1100.00
b	Above 132kV Level		1500.00
8	Replacement of Jumper/Drop of CT		
a	Upto 132kV Level	Per Drop/Jumper	1100.00
b	Above 132kV Level		1600.00
9	Replacement of Jumper/Drop of Isolator		
a	Upto 132kV Level	Per Drop/Jumper	1100.00
b	Above 132kV Level		1400.00
10	Replacement of Jumper/Drop of Breaker		
a	Upto 132kV Level	Per Drop/Jumper	1100.00
b	Above 132kV Level		1400.00

11	Replacement of Jumper/Drop of LA		
	a Upto 132kV Level	Per Drop/Jumper	1100.00
	b Above 132kV Level		1400.00
12	Replacement of Jumper/Drop of CVT		
	a Upto 132kV Level	Per Drop/Jumper	1100.00
	b Above 132kV Level		1450.00
13	Replacement of Jumper/Drop of Transformer		
	a LV Side	Per Drop/Jumper	1150.00
	b HV Side		1450.00
14	Replacement of Jumper/Drop of Bus/etc		
	a Upto 132kV Level	Per Drop/Jumper	1300.00
	b Above 132kV Level		1529.00
15	Dismantling of CT/PT in the Substation (including all necessary associated works)		
	a For 33kV Level (Without Structure)	Per Unit	2500.00
	b For 132kV Level (Without Structure)		4900.00
	c For 220kV Level (Without Structure)		6700.00
	d For 400kV Level (Without Structure)		8000.00
16	Dismantling of CT/PT in the Substation (including all necessary associated works)		
	a For 33kV Level (With Structure)	Per Unit	2500.00
	b For 132kV Level (With Structure)		5800.00
	c For 220kV Level (With Structure)		7500.00
	d For 400kV Level (With Structure)		8500.00
16	Dismantling of LA in the Substation (including all necessary associated works)		
	a For 33kV Level (Without Structure)	Per Unit	2500.00
	b For 132kV Level (Without Structure)		5000.00
	c For 220kV Level (Without Structure)		6000.00
	d For 400kV Level (Without Structure)		9000.00
17	Dismantling of LA in the Substation (including all necessary associated works)		
	a For 33kV Level (With Structure)	Per Unit	2500.00
	b For 132kV Level (With Structure)		5500.00
	c For 220kV Level (With Structure)		7000.00
	d For 400kV Level (With Structure)		10500.00
18	Dismantling of CVT in the Substation (including all necessary associated works)		
	a For 33kV Level (Without Structure)	Per Unit	
	b For 132kV Level (Without Structure)		5500.00
	c For 220kV Level (Without Structure)		6500.00
	d For 400kV Level (Without Structure)		10000.00
19	Dismantling of CVT in the Substation (including all necessary associated works)		
	a For 33kV Level (With Structure)		
	b For 132kV Level (With Structure)		6200.00

	c	For 220kV Level (With Structure)	Per Unit	6500.00
	d	For 400kV Level (With Structure)		12000.00
20	Erection of CT/PT in the Substation (including all necessary associated works)			
	a	For 33kV Level (Without Structure)	Per Unit	2800.00
	b	For 132kV Level (Without Structure)		5890.00
	c	For 220kV Level (Without Structure)		7990.00
	d	For 400kV Level (Without Structure)		9449.00
21	Erection of CT/PT in the Substation (including all necessary associated works)			
	a	For 33kV Level (With Structure)	Per Unit	3000.00
	b	For 132kV Level (With Structure)		6500.00
	c	For 220kV Level (With Structure)		8500.00
	d	For 400kV Level (With Structure)		11000.00
22	Erection of LA in the Substation (including all necessary associated works)			
	a	Upto 132kV Level (Without Structure)	Per Unit	2200.00
	b	Above 132kV Level (Without Structure)		4000.00
	c	Upto 132kV Level (With Structure)		5200.00
	d	Above 132kV Level (With Structure)		6500.00
23	Erection of CVT in the Substation (including all necessary associated works)			
	a	Upto 132kV Level (Without Structure)	Per Unit	6000.00
	b	Above 132kV Level (Without Structure)		6000.00
	c	Upto 132kV Level (With Structure)		6800.00
	d	Above 132kV Level (With Structure)		7800.00
24	Dismantling of Circuit Breaker (including all necessary associated works)			
	a	For 33kV Level (Without Structure)	Per Set	10000.00
	b	For 132kV Level (Without Structure)		11500.00
	c	For 220kV Level (Without Structure)		12000.00
	d	For 400kV Level (Without Structure)		15300.00
25	Dismantling of Circuit Breaker (including all necessary associated works)			
	a	For 33kV Level (With Structure)	Per Set	10000.00
	b	For 132kV Level (With Structure)		11600.00
	c	For 220kV Level (With Structure)		12500.00
	d	For 400kV Level (With Structure)		15500.00
26	Erection of Circuit Breaker (including all necessary associated works)			
	a	For 33kV Level (Without Structure)	Per Set	10000.00
	b	For 132kV Level (Without Structure)		11900.00
	c	For 220kV Level (Without Structure)		13200.00
	d	For 400kV Level (Without Structure)		14950.00
27	Erection of Circuit Breaker (including all necessary associated works)			
	a	For 33kV Level (With Structure)		10000.00

	b	For 132kV Level (With Structure)	Per Set	12000.00
	c	For 220kV Level (With Structure)		14500.00
	d	For 400kV Level (With Structure)		16000.00
28	Dismantling of Isolator (Tandem Type) (including all necessary associated works)			
	a	For 132kV Level (Without Structure)	Per Set	7500.00
	b	For 220kV Level (Without Structure)		8900.00
	c	For 400kV Level (Without Structure)		15000.00
29	Dismantling of Isolator (Tandem Type) (including all necessary associated works)			
	a	For 132kV Level (With Structure)	Per Set	10000.00
	b	For 220kV Level (With Structure)		12000.00
	c	For 400kV Level (With Structure)		19756.00
30	Erection of Isolator with (Tandem Type)(including all necessary associated works)			
	a	For 132kV Level (Without Structure)	Per Set	9174.00
	b	For 220kV Level (Without Structure)		10580.00
	c	For 400kV Level (Without Structure)		17000.00
31	Erection of Isolator (Tandem Type) (including all necessary associated works)			
	a	For 132kV Level (With Structure)	Per Set	10000.00
	b	For 220kV Level (With Structure)		12500.00
	c	For 400kV Level (With Structure)		20460.00
32	Dismantling of Isolator (including all necessary associated works)			
	a	For 33kV Level (Without Structure)	Per Set	6500.00
	b	For 132kV Level (Without Structure)		7500.00
	c	For 220kV Level (Without Structure)		8500.00
	d	For 400kV Level (Without Structure)		12000.00
33	Dismantling of Isolator (including all necessary associated works)			
	a	For 33kV Level (With Structure)	Per Set	7500.00
	b	For 132kV Level (With Structure)		9000.00
	c	For 220kV Level (With Structure)		10500.00
	d	For 400kV Level (With Structure)		13300.00
34	Erection of Isolator (including all necessary associated works)			
	a	For 33kV Level (Without Structure)	Per Set	7000.00
	b	For 132kV Level (Without Structure)		9000.00
	c	For 220kV Level (Without Structure)		10000.00
	d	For 400kV Level (Without Structure)		11286.00
35	Erection of Isolator (including all necessary associated works)			
	a	For 33kV Level (With Structure)	Per Set	8000.00
	b	For 132kV Level (With Structure)		9878.00
	c	For 220kV Level (With Structure)		11286.00
	d	For 400kV Level (With Structure)		12694.00

36	Dismantling of CR Panel (including all necessary associated works)		
	a For 33kV Level	Per Unit	5500.00
	b For 132kV Level		6500.00
	c For 220kV Level		7000.00
	d For 400kV Level		8500.00
37	Erection of CR Panel without SAS (including all necessary associated works)		
	a For 33kV Level	Per Unit	6500.00
	b For 132kV Level		6500.00
	c For 220kV Level		7000.00
	d For 400kV Level		8500.00
38	Jointing works of 33 KV power cable (Without supply)	Per Joint	2500.00
39	Replacement of control cable.	Per 10 Mtrs	600.00
40	Laying of replaced power cable	Per 10 Mtrs	600.00
41	Recovery of Old Cable	Per 10 Mtrs	725.00
42	Attending emergency hot spot in the Sub Station.	Per Job	2000.00
43	Un skilled labour for jungle cleaning or other works.	50sqm	320.00
44	Dismantling of Battery Bank 110/220V	Per Job	5000.00
45	Erection of Battery Bank 110/220V	Per Job	4466.00
46	Dismantling of Wave Trap 132/220/400kV	Per Job	6000.00
47	Erection of Wave Trap 132/220/400kV	Per Job	7000.00
48	Replacement of Transformer Bushing HV Side (Including all associated works) Bushing and Gasket will be supplied by AEGCL		
	a At 132kV Level	Per Bushing	15000.00
	b At 220kV Level	Per Bushing	20000.00
	c At 400kV Level	Per Bushing	23178.00
49	Switchyard Earthing		
	a Earthmat (With supply of earthing materials)	Per SQM	1500.00
	b Laying of GI Flat Strip with connection to existing earthing system (Supply of Standard GI Strip)	Per Mtrs	1700.00
	c Rod Electrode (With supply)	Per Unit	2500.00
	GI Pipe electrode with earthpit (Incl supply) 50MM Dia, 3Mtrs Length, 4.5mm thickness including all necessary related works	Per Unit	6000.00
50	Transportation of all equipments (Base rate) and other materials (Subjet to pre engagement of dept vehicle)		
	For Tata Magic or equivalent (Upto 700KG +/- 5%)	KM	3000 Plus 8.00/KM
	For Bolero Camper or equivalent (Upto 1200KG +/- 5%)	KM	5000 Plus 10.00/KM
	For 607 Truck or equivalent (Upto 2.5 Tons +/- 5%)	KM	6000 Plus 12.00/KM

	For Truck or equivalent (Beyond 2.5 Tons)	KM	10000 Plus 15.00/KM
51	Loading & unloading of Equipments	MT	1200/MT
52	Replacement of circuit breaker pole (departmental supply)		2000.00
	33kV	Nos.	3500.00
	132kV	Nos.	4000.00
	220kV	Nos.	6000.00
	400kV	Nos.	7500.00
53	Fabrication of equipment structure CT, PT, CVT, PI, LA (with departmental supply)		
	a LA, CT, PT & CVT upto 33kV Level (20% to be added with unit value for fabrication materials)	Per Job	5000.00
	b LA, CT, PT & CVT for 132kV up to 220kV Level (20% to be added with unit value for fabrication materials)	Per Job	5700.00
	c LA, CT, PT & CVT for 400kV Level (20% to be added with unit value for fabrication materials)	Per Job	6500.00
	d CB upto 33kV Level (20% to be added with unit value for fabrication materials)	Per Job	4500.00
	CB for 132kV to 220kV Level (20% to be added with unit value for fabrication materials)	Per Job	5000.00
	CB for 400kV Level (20% to be added with unit value for fabrication materials)	Per Job	5500.00
	Isolators upto 220kV Level (20% to be added with unit value for fabrication materials)	Per Job	7300.00
	Isolators for 400kV Level (20% to be added with unit value for fabrication materials)	Per Job	8200.00
54	Switchyard groundwire dismantling proper stacking, restringing	Mtrs	100.00