BOQ (Package-B)

Various types of O&M works in Substations

Sl. No	Description of Work	Unit	Rate(Excl. GST)
1	**Replacement of damaged clamp of CT**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
2	**Replacement of damaged clamp of PT**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
3	**Replacement of damaged clamp of Isolator**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
4	**Replacement of damaged clamp of Breaker**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
5	**Replacement of damaged clamp of LA**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
6	**Replacement of damaged clamp of CVT**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
7	**Replacement of damaged clamp of Transformer**		
a	For 33kV Side	Per Job	
b	For 132kV Side		
c	For 220kV Side		
8	**Replacement of damaged clamp of Bus/etc**		
a	For 33kV Level	Per Job	
b	For 132kV Level		
c	For 220kV Level		
9	**Replacement of Jumper/Drop of CT**		
a	For 33kV Level	Per Drop/Jumper	
b	For 132kV Level		
c	For 220kV Level		
10	**Replacement of Jumper/Drop of PT**		
a	For 33kV Level	Per Drop/Jumper	
b	For 132kV Level		
c	For 220kV Level		
11	**Replacement of Jumper/Drop of Isolator**		
a	For 33kV Level	Per Drop/Jumper	
b	For 132kV Level		
c	For 220kV Level		
12	**Replacement of Jumper/Drop of Breaker**		
a	For 33kV Level	Per Drop/Jumper	
b	For 132kV Level		

	c	For 220kV Level		
13		**Replacement of Jumper/Drop of LA**		
	a	For 33kV Level	Per Drop/Jumper	
	b	For 132kV Level		
	c	For 220kV Level		
14		**Replacement of Jumper/Drop of CVT**		
	a	For 33kV Level	Per Drop/Jumper	
	b	For 132kV Level		
	c	For 220kV Level		
15		**Replacement of Jumper/Drop of Transformer**		
	a	For 33kV Side	Per Drop/Jumper	
	b	For 132kV Side		
	c	For 220kV Side		
16		**Replacement of Jumper/Drop of Bus/etc**		
	a	For 33kV Level	Per Drop/Jumper	
	b	For 132kV Level		
	c	For 220kV Level		
17		**Dismantling of CT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
18		**Dismantling of CT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
19		**Dismantling of PT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
20		**Dismantling of PT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
21		**Dismantling of LA in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
22		**Dismantling of LA in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
23		**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)		
	c	For 220kV Level (Without Structure)		
24		**Dismantling of CVT in the Substation (including all necessary associated works)**		

	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
25		**Erection of CT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
26		**Erection of CT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
27		**Erection of PT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
28		**Erection of PT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
29		**Erection of LA in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
30		**Erection of LA in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
31		**Erection of CVT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Unit	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
32		**Erection of CVT in the Substation (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Unit	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
33		**Dismantling of Circuit Breaker (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Set	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
34		**Dismantling of Circuit Breaker (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Set	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
35		**Erection of Circuit Breaker (including all necessary associated works)**		

	a	For 33kV Level (Without Structure)	Per Set	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
36		**Erection of Circuit Breaker (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Set	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
37		**Dismantling of Isolator (Tandem Type) (including all necessary associated works)**		
	a	For 132kV Level (Without Structure)	Per Set	
	b	For 220kV Level (Without Structure)		
38		**Dismantling of Isolator (Tandem Type) (including all necessary associated works)**		
	a	For 132kV Level (With Structure)	Per Set	
	b	For 220kV Level (With Structure)		
39		**Erection of Isolator with (Tandem Type)(including all necessary associated works)**		
	a	For 132kV Level (Without Structure)	Per Set	
	b	For 220kV Level (Without Structure)		
40		**Erection of Isolator (Tandem Type) (including all necessary associated works)**		
	a	For 132kV Level (With Structure)	Per Set	
	b	For 220kV Level (With Structure)		
41		**Dismantling of Isolator (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Set	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
42		**Dismantling of Isolator (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Set	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
43		**Erection of Isolator (including all necessary associated works)**		
	a	For 33kV Level (Without Structure)	Per Set	
	b	For 132kV Level (Without Structure)		
	c	For 220kV Level (Without Structure)		
44		**Erection of Isolator (including all necessary associated works)**		
	a	For 33kV Level (With Structure)	Per Set	
	b	For 132kV Level (With Structure)		
	c	For 220kV Level (With Structure)		
45		**Dismantling of CR Panel (including all necessary associated works)**		
	a	For 33kV Level	Per Unit	
	b	For 132kV Level		
	c	For 220kV Level		
46		**Erection of CR Panel without SAS (including all necessary associated works)**		
	a	For 33kV Level	Per Unit	
	b	For 132kV Level		
	c	For 220kV Level		
47		**Jointing works of 33 KV power cable (Without supply)**	Per Joint	

48	**Replacement of control cable.**	Per Mtrs	
49	**Laying of replaced power cable**	Per Mtrs	
50	**Recovery of Old Cable**	Per Mtrs	
51	**Attending emergency hot spot in the Sub Station.**	Per Job	
52	**Unskilled labour for jungle cleaning or other works.**	Mandays	
53	**Supply of Skilled labour /Fitter**	Mandays	
54	**Dismantling of Wave Trap 132/220kV**	Per Job	
55	**Erection of Wave Trap 132/220kV**	Per Job	
56	**Replacement of Transformer Bushing (Including all associated works)**		
a	**At 132kV Level**	Per Bushing	
b	**At 220kV Level**	Per Bushing	
57	**Switchyard Earthing**		
a	**Earthmat (With supply of earthing materials)**	Per SQM	
b	**Laying of GI Flat Strip with connection to existing earthing system (Supply of Standard GI Strip)**	Per Mtrs	
c	**Rod Electrode (With supply)**	Per Unit	
d	**Pipe electrode with earthpit (Incl supply)**	Per Unit	
58	**Transportation of Equipment/Panel/Etc**	QTL/KM	
Total Amount (Excluding GST)			

Bidder Name and Address →	
Seal & Signature	