

A - 2 :Bill of Material for Upgradation of existing 11 KV Sub Station

Sl. No.	Item Description	Unit	Rate (In Rs.)	No. of S/s Quoting for	Value (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)
1	Installation, testing and commissioning of following 11/0.4 KV 3 phase Distribution Transformer on the existing Double Pole Structure including strengthening of the existing DP structure as per site condition, dismantling / removal of old Distribution Transformer & Distribution Box, loading, transportation & unloading and transportation of the dismantled items to designated store of Purchaser or other location, fixing of Anti climbing device (Barbed wire), Danger Plate in Substation Structure. The scope also includes termination of 11 KV line, Installation of LT Distribution Box and associated cable, replacement of damaged cable / jumpering of substation, installation of all clamps, connectors, lugs / sockets, binding wire, and providing insulating tape and any other consumables as per relevant standard including supply and painting of s/s structures with two coats of red oxide and two coats of approved make aluminium paint.				
	25 KVA to 63 KVA	No.			
	63 KVA to 100 KVA	No.			
2	Installation, testing and commissioning of following 11/0.4 KV 3 phase Distribution Transformer on the existing Plinth including strengthening of the plinth with brick/stone masonry and plastering as per site condition, dismantling / removal of old Distribution Transformer & Distribution Box, loading, transportation & unloading and transportation of the dismantled items to designated store of Purchaser or other location, fixing of Anti climbing device (Barbed wire), Danger Plate in Substation Structure. The scope also includes termination of 11 KV line, Installation of LT Distribution Box and associated cable, replacement of damaged cable / jumpering of substation, installation of all clamps, connectors, lugs / sockets, binding wire, and providing insulating tape and any other consumables as per relevant standard including supply and painting of s/s structures with two coats of red oxide and two coats of approved make aluminium paint.				
a	250 KVA to 315 KVA	No.			
b	250 KVA to 500 KVA	No.			

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Sl. No.	Item Description	Unit	Rate (In Rs.)	No. of S/s Quoting for	Value (in Rs.)
3	Installation, testing and commissioning of following 11/0.4 KV Transformer on new plinth, dismantalling/removal of old Distribution Transformer & Distribution Box, loading, transportation & unloading and transportation of the dismantled items to designated store of Purchaser or other location, fixing of Anti climbing device (Barbed wire), Danger Plate in Substation Structure. The scope also includes termination of 11 KV line, Installation of Distribution Box and associated cable, replacement of damaged cable / jumpering of substation, installation of all clamps, connectors, lugs / sockets, binding wire, and providing insulating tape and any other consumables as per relevant standard including supply and painting of s/s structures with two coats of red oxide and two coats of approved make aluminium paint. The dimension of the plinth shall be 1200x600x1500 mm (above GL). Plinth wall shall be brick/stone masonry of 230 mm thick. Outside of the wall to be plastered with 18 mm thick cement mortar (1:3). Inside of the plinth shall be filled with borrowed sand duly compacted. R.C.C. top slab (1:2:4				
	100 KVA to 250 KVA	No.			
4	In addition the bidder is required to quote the unit rate for intallation, testing and commissioning of following items on existing DP including dismentalling / removal of old equipments loading & unloading and transportation including insurance there of at designated store of Purchaser or other location.				
i	PSC Pole (9 Mtr x 300 Kg)	No.			
ii	3 Pole AB Switch (Horizontal)	No.			
iii	3 Pole HG Fuse	No.			
iv	GI Earth Flat	Kg.			
v	Earthing Electrode complete including chamber.	No.			
vi	Fabrication, weilding & installation of Structural steel	Kg.			
vii	HT Stay Set Complete	No.			
viii	Disc Insulator with Hard Ware	No.			
ix	Pin Insulator with GI Pin	No.			
x	11 KV Lighting Arrestor	No.			

Note : For coumputation of Bid Security, the unit rates quoted for items under srl. no. 4 (i to x) need not be considered.