

Bill of Material for New 11 KV Sub Station along with Associated HT & LT Line			
Sl. No.	Item Description	Unit	Rate (In Rs.)
1	Installation, testing and commissioning of 11/0.4 KV, 3 Phase Transformer on PCC Double Pole structures, along with installation of LT Distribution Box with cable arrangement from Distribution transformer to Distribution Box, Insulators & fittings, Material for concrete foundation, Channel for supporting insulators, Channel and angle for supporting HG Fuse unit and AB Switch, Channel for supporting transformer, Belting and belting support for transformer, MS Channel for Cable support, PG connectors, Danger plate, Sign board, Anti climbing device (barbed wire), Earthing arrangement with 4 no.s Earth Electrodes with Pit, Lighting Arrestor (where ever applicable) Fasteners with washers, All clamps and required hardware & all other sundry items complete as per REC Standard TS. The scope also includes termination of 11 KV line, replacement of damaged jumpering of substation as per relevant standard installation of all clamps, connectors, lugs / sockets, binding wire, and providing insulating tape and any other consumables.		
a	25 KVA Transformer	No.s	
b	63 KVA Transformer	No.s	
c	100 KVA Transformer	No.s	
2	Installation of Stay Sets, Stay Wire, Stay Insulator complete including Concreting as per TS	Sets	
3	Construction of 1.5 m high Barbed Wire Fencing, supply and erection of PCC Post of size 3" x 3" at top and 5" x 5" at bottom 2.0m high, 2.0 m c/c imbeded in 1:3:6 concrete (20 mm nominal size of aggregate) block 450x450x600 mm. Corner post shall be strutted on both sides and end post shall be strutted on one side only as per TS.	Run. Mtr	
4	Supply and Installation of Double Leaf MS Gate of height 1.5 m height x 1.5 m width, made up of 30x30x6 angle and 25x6 Flat as per approved Drawing. Gate is to be supported on concrete column size 300x300x2000 m. The gate shall be painted with two coat of approved primer with two coats of approved epoxy paint.	Kg.	
6	Installation of Following Items with all required accessories to complete the Incoming 11 KV Line work		
a	9 Mtr x 300 Kg PSC Pole with Base Plate	No.s	
b	8 Mtr x 200 Kg PSC Pole with Base Plate	No.s	
c	Coil Earthing	No.s	
d	34 MM <sup>2</sup> AAAC (3 Phase)	Km.	
e	55 MM <sup>2</sup> AAAC (3 Phase)	Km.	
f	HT Stay Set Complete	No.s	
g	Insulator		
h	Disk Insulator with Hard Ware	No.s	
i	Pin Insulator with GI Pin	No.s	
j	V Cross Arm & Pole Top Bracket (F Clamp)	No.s	
k	Straight Cross Arm (75x40x6 mm Channel)	Set	
l	Danger Board	No.	
m	Anti Climbing Device (Barbed wire)	Kg.	
n	GI Wire for Guarding at Road Crossing	Mtr	

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Sl. No.	Item Description	Unit	Rate (In Rs.)
7	Installation of Following Items with all required accessories to complete the Outgoing LT AB Cable work		
a	PSC Pole (8 Mtr x 200 Kg)	No.s	
b	Coil Earthing	No.s	
c	3 x 35 + 1 x 25 MM <sup>2</sup> AB Cable including Eye Hook, Pole Clamp, Suspension / Strain Fitting	Km.	
d	3 x 50 + 1 x 35 MM <sup>2</sup> AB Cable including Eye Hook, Pole Clamp, Suspension or Dead End Fitting	Km.	
e	LT Stay Set Complete	No.s	
f	Service Distribution Box including Service Connection to existing consumers.		
(i)	4 Way	No.s	
(ii)	8 Way	No.s	
(iii)	12 Way		
g	Piercing Connector (AB Cable to SDB)	No.s	
h	Neutral Connector	No.s	