

**CHAPTER-10**  
**ERECTION OF 33KV SUB-STATIONS & BUS BAR**

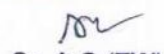
Chapter Code No	DESCRIPTION OF WORK	UNIT	Rate/ Unit
1	2	3	4
10.1	Erection of steel supports in the excavated pit in alignment after checking then same with plumb line as per approved design and drawing of 33/11KV Sub- station.The support should be grouted and muffed in cement concrete ratio 1:3:6 as per chapter -5 code No.5.7.The remaining portion of the pit will be back filled with soil.The charges for grouting & muffing will be paid by extra as per chapter code no 5.7 The nuts & bolts will be supplied by the contractor for which payment will be made as per prevailing Store issue rates.		
10.1.1	R.S.Joists	M.T.	1797.05
10.1.2	Fabricated structure AB type	M.T.	2071.20
10.1.3	Fabricated structure AB-1 type	M.T.	2071.20
10.1.4	Isolator / C.T.structure	M.T.	2071.20
10.2	Erection of PCC poles in excavated pit in alignment after checking the same with plumb line as per approved design & drawing of 33/11kv sub-station.The pit should be back filled with the soil with proper ramming below 30cm ground level and then muffed above 15cm average ground level with cement concrete ratio1:3:6.The charges for muffing will be paid extra as per chapter code no 5.7 The nuts & bolts will be supplied by the contractor for which payment will be made at the prevailing store issue rates.		
	(A) IN URBAN AREA		
10.2.1	PCC Poles 8 Mtr. Long	Nos.	390.94
10.2.2	PCC Poles 9 Mtr. Long	Nos.	595.25
10.2.3	PCC Poles 10/11 Mtr. Long	Nos.	677.37
	(B) IN RURAL AREA		
10.2.4	PCC Poles 8 Mtr. Long	Nos.	311.29
10.2.5	PCC Poles 9 Mtr. Long	Nos.	453.26
10.2.6	PCC Poles 10/11 Mtr. Long	Nos.	522.95
10.3	Laying / stringing of bus bar with ACSR Dog & jumper connection using tie rod ,33KV /11KV insulator strings,required hardware,P.G.clamps/T clamps etc.as per requirement including Y-connections at bus bar jumpering point as per the direction of engineer in-charge.		
10.3.1	ACSR PANTHER	Mtrs.	33.69
10.3.2	ACSR DOG/RABBIT	Mtrs.	26.01
10.4	Supply, stacking & spreading of stone boulders 40 mm. Mono size.(Less voids 17%)	Cum.	1097.27

**Note:**

- 1 The quality of material supplied by the contractor shall be got checked & approved by the circle SE.
- 2 The nuts & bolts provided / supplied by the contractor will confirm to relevant ISS.
- 3 The Rates are inclusive of all applicable Taxes/ Duty except service tax which will be paid extra by Nigam if applicable.

  
AEN(TW)

  
XEN(TW)

  
Sr. A.O.(TW)

  
SE(TW)