

ENERGY & POWER DEPARTMENT
GOVERNMENT OF SIKKIM
SCHEDULE OF RATES FOR 33KV GARDE WORKS.

SL. NO	DESCRIPTION OF MATERIALS	UNIT	SR
1	33 KV 'V' type cross arms 100x50x6mm M.S.Channel (7.9 kg/m) without clamps (Total length 2.5m)	No.	1,750
2	Cross arms holding clamps with nuts and bolts	No.	1,063
3	F bracket for 33 kV	No.	563
4	E bracket for 33 kV	No.	563
5	M.S.angle iron 65x65x6mm, 4300 mm long bracing with clamp		8,500
6	Top channel 125x65x6mm 3200 mm (10.70 kg/m) with clamp		3,306
7	33 KV Pin Insulator 10KN	No.	683
8	33 KV GI Pin with nuts	No.	254
9	33 kV danger board with clamps for STP		545
10	8 SWG G.I.wire	kg	65
11	33/11 kV Power Transformer		-
i)	3.15 MVA	Nos.	41,05,774
ii)	5 MVA	Nos.	45,56,156
iii)	8 MVA	Nos.	60,81,484
iv)	10 MVA		73,85,240
v)	12.5 MVA	Nos.	80,34,124
12	Circuit Breaker		-
	33 KV 800 Amps 7.5 KVA SF-6 breaker complete with operating mechanism, including first filling of gas complete with supporting structures, accessories and terminal connecteors	Set	4,95,000
13	Current Transformer 33KV	No.	-
	33KV 3-core CT having ratio 200:100:50/1 or 5 Or .577 A of accuracy class 0.2S for metering , 5P20 & PS for protection Lightning Impulse withstand Voltage 170KV rms, and burden as specified in SLD of the specification with first filling of oil and complete with terminal conectors.		48,313
14	Potential Transformer 33KV		-
	Single core 33KV/110v voltage Transformer of accuracy class 0.2 and 100 VA burden with first filling of oil and complete with terminal connectors.	No.	52,711
15	Isolators		-
i)	33KV 800 Amps rated current and 12.5 KA short time rating tripple pole, gang operated outdoor type isolator with motor operated mechanism, complete with terminal connectors etc. as required	No.	72,875
ii)	33KV 800 Amps rated current and 12.5 KA short time rating tripple pole, gang operated outdoor type isolator with motor operated mechanism, complete with terminal connectors and earth blade	No.	82,500
16	Lightning Arrestors		-
i)	33KV lightning arrestors normal duty metal oxide (Discharge class-2) complete with insulating phase, surge counters, terminal connectors complete as required		15,281
ii)	27 KV Gapless type (10 KA) for 33 KV Line		4,119
17	Control & Relay Panel		-
i)	33KV simplex type control and relay panel for 33/11 KV Power transformer with 110 volts DC control, differential and other auxilliary protection system	Set	7,30,000
ii)	33 kV simplex panel for line.		5,03,500
19	Terminal Gantry		2,13,375
20	Main bus-bar complete with structure		3,90,375
21	Supporting Structure		-
i)	Supporting structure for 33KV 3-phase isolator		23,431
ii)	Supporting structure for 33KV single phase current transformer		10,728
iii)	Supporting structure for 33KV lightning arrester		9,384

iv)	Post top insulator		11,260
v)	33KV post top insulator		918
22	Sub-station earthing complete (Special Chemrod earthing)	LS	6,25,000
23	90 lbs rail pieces for transformer (44.64 kg/m) 6.92 m per transformer	No.	28,750
24	33 KV 3 Core XLPE UG Aluminium Cable:		-
i)	3 x 95 sqmm	m	2,888
ii)	3 x 120 sqmm	m	3,150
iii)	3 x 150 sqmm	m	3,413
iv)	3 x 185 sqmm	m	3,806
v)	3 x 240 sqmm	m	4,331
vi)	3 x 300 sqmm	m	4,988
vii)	3 x 400 sqmm	m	5,906
25	Heat Shrinkable Straight Through jointing kit with lugs for 33 KV grade 3 core XLPE. Denson or Equivalent		
i)	3 x 95 sqmm	Kit	58,788
ii)	3 x 120 sqmm	Kit	58,788
iii)	3 x 150 sqmm	Kit	58,788
iv)	3 x 185 sqmm	Kit	65,463
v)	3 x 240 sqmm	Kit	68,125
vi)	3 x 300 sqmm	Kit	69,613
vii)	3 x 400 sqmm	Kit	79,100
26	Heat Shrinkable outdoor type end termination kit with lugs for 33 KV grade 3 core XLPE:		-
i)	3 x 95 sqmm	Kit	19,513
ii)	3 x 120 sqmm	Kit	19,863
iii)	3 x 150 sqmm	Kit	19,863
iv)	3 x 185 sqmm	Kit	19,863
v)	3 x 240 sqmm	Kit	26,544
vi)	3 x 300 sqmm	Kit	26,544
vii)	3 x 400 sqmm	Kit	26,544
26	Heat Shrinkable indoor type end termination kit with lugs for 33 KV grade 3 core XLPE:		-
i)	3 x 95 sqmm	Kit	16,350
ii)	3 x 120 sqmm	Kit	17,581
iii)	3 x 150 sqmm	Kit	17,581
iv)	3 x 185 sqmm	Kit	17,581
v)	3 x 240 sqmm	Kit	23,381
vi)	3 x 300 sqmm	Kit	23,381
vii)	3 x 400 sqmm	Kit	23,381
27	33 KV NEUTRAL CURRENT TRANSFORMER	No	49,703
28	33KV Combined CT-PT Metering Unit for Outdoor Installation,3Phase 4 Wire types different ratios	No	1,22,500

Rates are exclusive of taxes,F&I etc.

All overhead charges like erection transportations are included in the SR.