



BILL OF QUANTITY FOR 220 KV SWITCHYARD

Sr.No.	DESCRIPTION	SYMBOL	QTY.
1	3 Ph SF6 CIRCUITE BREAKER WITH 1PH AUTO RECLDING 1250A, 40KA, 3 SEC(LINE BAY)		2
2	3 Ph GANG OPERATED SF6 CIRCUITE BREAKER 1250A, 40KA, 3 SEC(TRAFO & B/C BAY)		3
3	3 Ph ISL (HCB) WITH 2 EARTH SW. 1250A, 40KA, 1 SEC		4
4	3 Ph ISL (HCB) WITH 1 EARTH SW. 1250A, 40KA, 1 SEC		8
5	3 Ph ISL (HCB) WITHOUT 1 EARTH SW. 1250A, 40KA, 1 SEC TANDEM TYPE		8
6	220KV CURRENT TRANSFORMER		15
7	1 Ph CVT 4400PH (Two at Salakati End)		6+2
8	1 Ph POTENTIAL TRANSFORMER		6
9	1 Ph SURGE ARRESTER 198KV, 10KA, CL-3		12
10	1 Ph WAVE TRAP 0.5mH, 800A (Two at Salakati End)		2+2
11	220/132KV, 3000MVA ,3Ph, 50HZ,Yno,D,Dnan/DFAF DLTC, Z=12.5% AUTO TRANSFORMER		2

BILL OF QUANTITY FOR 132 KV SWITCHYARD

Sr.No.	DESCRIPTION	SYMBOL	QTY.
1	3 Ph GANG OPERATED SF6 CIRCUITE BREAKER 1250A, 31.5KA, 3 SEC		7
2	3 Ph ISL (HCB) WITHOUT EARTH SW. 1250A, 31.5KA, 1 SEC		10
3	3 Ph ISL (HCB) WITH 1 EARTH SW. 1250A, 31.5KA, 1 SEC		4
4	3 Ph ISL (HCB) WITHOUT EARTH SW. 1250A, 31.5KA, 1 SEC TANDEM TYPE		7
5	132KV CURRENT TRANSFORMER		27
6	1 Ph CVT 4400PH		6
7	1 Ph POTENTIAL TRANSFORMER		3
8	1 Ph SURGE ARRESTER 120KV, 10KA, CL-3		18
9	1 Ph WAVE TRAP 0.5mH, 800A (Two at Salakati End)		4

ASSAM ELECTRICITY GRID CORPORATION LIMITED

RAMGIA 2X100MVA, 220/132 KV SUB-STATION

SINGLE LINE DIAGRAM OF 220/132 KV, RAMGIA SUBSTATION

DRAWING NUMBER: AEGCL/RAMGIA/SLD/1 **Sheet: 1 OF 1**