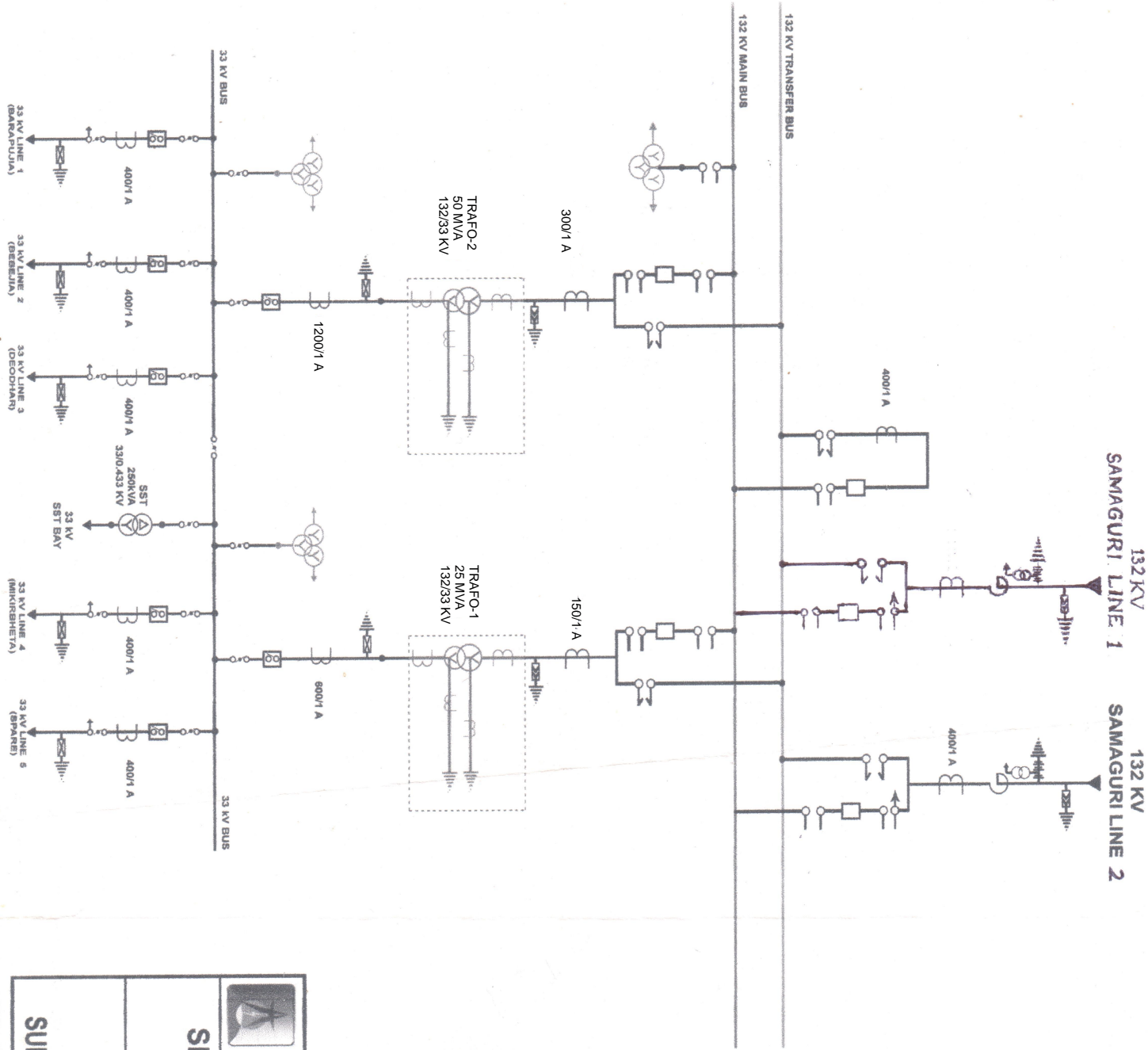


# SINGLE LINE DIAGRAM OF 132/33 KV NAGAON (KHALOIGAON) GRID SUBSTATION, AEGCL



## 132 KV EQUIPMENTS:

SL. NO.	DESCRIPTION	RATING	LEGENDS
1	SFB Circuit Breaker (CB)	132 KV, 1250A, 31.5 kA (3 Sec.) 3 Ph	
2	Power Transformer (TRAFQ)	132/33 KV, 3Ph 20/25 MVA (ONAN/ONAF), Tmyno, Z = 10%	
3	HCB Isolator w/o Earth Switch	132KV, 1250A, 31.5 kA (1Sec.) 3Ph	
4	HCB Isolator with 1 Earth Switch	132KV, 1250A, 31.5 kA (1Sec.) 3Ph	
5	HCB Isolator w/o Earth Switch (Tandem Type)	132KV, 1250A, 31.5 kA (1Sec.) 3Ph	
6	Lightning Arrestor (LA)	120kV, 10 kA, Gasless Metal (Zinc) Oxide, 1 Ph	
7	Coupling Capacitor with Potential Device (CVT)	132 KV, 1Ph, 4400pF	
8	Voltage Transformer (VT)	132 KV, 1Ph, 2 Core	
9	Current Transformer (CT)	132 KV, 1Ph, 3 Core	
10	Wave Trap (WT)	132 KV, 800 A, 10kA 0.2mH, 1Ph	

## 33 KV EQUIPMENTS:

SL. NO.	DESCRIPTION	RATING	LEGENDS
1	SFB Circuit Breaker (CB)	33KV, 1250A, 25kA (3 Sec.) 3Ph	
2	HDB Isolator w/o Earth Switch	33KV, 1250A, 25kA (1 Sec.) 3Ph	
3	HDB Isolator with 1 Earth Switch	33KV, 1250A, 25kA (1 Sec.) 3Ph	
4	Lightning Arrestor (LA)	30kV, 10kA, Gasless Metal (Zinc) Oxide, 1Ph	
5	Current Transformer (CT)	33KV, 1Ph	
6	Voltage Transformer (VT)	33KV, 1Ph, 2Core	

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**

## SINGLE LINE DIAGRAM OF 132/33 KV NAGAON GRID SUBSTATION

132/33 KV  
NAGAON GRID  
SUB STATION, AEGCL

DATE : 01/11/2018