



Notes

132.0/20.0 kV line to transformer is an outdoor air-insulated substation. 20.0 kV switchgear is indoor type.

CHARACTERISTICS OF THE HV: 132.0 kV  
Maximum voltage for the system: 145.0 kV  
Lightning withstand voltage: 650.0 kV  
Short-circuit level: 40.0 kA  
Number of bays:1

CHARACTERISTICS OF THE MV/HV: 132.0/20.0 kV  
Number of power transformers: 1

CHARACTERISTICS OF THE MV: 20.0 kV  
Number of output lines: 1  
Number of incoming lines: 5  
MV cubicles arrangement: simple busbar  
Maximum voltage for the system: 24.0 kV  
Lightning withstand voltage: 145.0 kV  
Short-circuit level: 25.0 kA

Legend			
	Circuit breaker		
	Current Transformer		
	Disconnecter		
	Earthing Disconnecter		
	Fuse		
	Grounding Device		
	Surge arrester		
	Voltage Detector		
	Three Phase		
	Voltage transformer		
	Power transformer		

REV	DESCRIPTION	BY	DATE
00	FIRST VERSION	RP	2024-10-29

FOR INFORMATION ONLY			
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PROJECT:  
Webinar Amperecloud

DRAWING:  
line to transformer - Substation SLD

SCALE: Not to scale	SHEET: 1 / 1
REVISION: 00	DATE: 2024-10-29
DIN A3	