

LEGEND	
SYMBOLS	
	VOLTAGE TRANSFORMER { FIG. INDICATES NO. OF CTs/VTs
	CURRENT TRANSFORMER { R-RELAYING I-INSTRUMENTATION
	CIRCUIT BREAKER
	INSULATOR
	LIGHTNING ARRESTER
	FUSE (THICK LINE INDICATES SUPPLY SIDE)
	HT HRC FUSE
	AUTO-RECLOSER CIRCUIT BREAKER
	LBS WITH HT HRC FUSE
	GANG OPERATED AIR BREAK SWITCH
	TWO WINDING TRANSFORMER
	SOURCE (GENERATOR)
RELAYING	
50	INSTANTANEOUS O/C RELAY
51	INVERSE TIME PHASE OVERCURRENT RELAY
REF	RESTRICTED EARTH FAULT RELAY
INSTRUMENTATION	
A	AMMETER
V	VOLT METER
W	WATT METER
VAR	VAR METER
VS	VOLT METER SELESTOR SWITCH
F	FREQUENCY METER
PF	POWER FACTOR METER
kWh	ENERGY METER
MF	MULTI FUNCTION METER

Note:
THIS SCHEMATIC IS NOT MEANT TO BE A DETAILED SPECIFICATION OF THE SUBSTATION. IT IS FOR ILLUSTRATION PURPOSE ONLY.

Pelrithang, Gelephu 33/11kV substation

NOTE:

PELRITHANG GELEPHU

Title:
PROPOSED SCHEMATIC FOR THE 33/11kV SUBSTATION AT PELRITHANG, GELEPHU

Division:
**Electricity Services Division
GELEPHU**

Bhutan Power Corporation Limited

File Name:
BPC/C&PD/CMS/TENDER-2023/02

Date:
January 2023

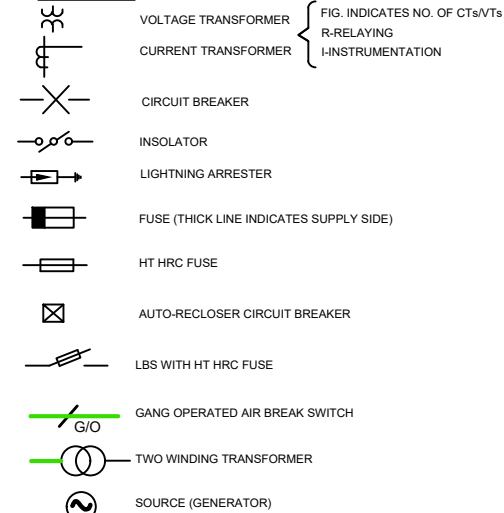
Scale:
NTS

Project:
**Contract Management Section
Construction Division
Construction & Procurement Department**

Code:

LEGEND

SYMBOLS

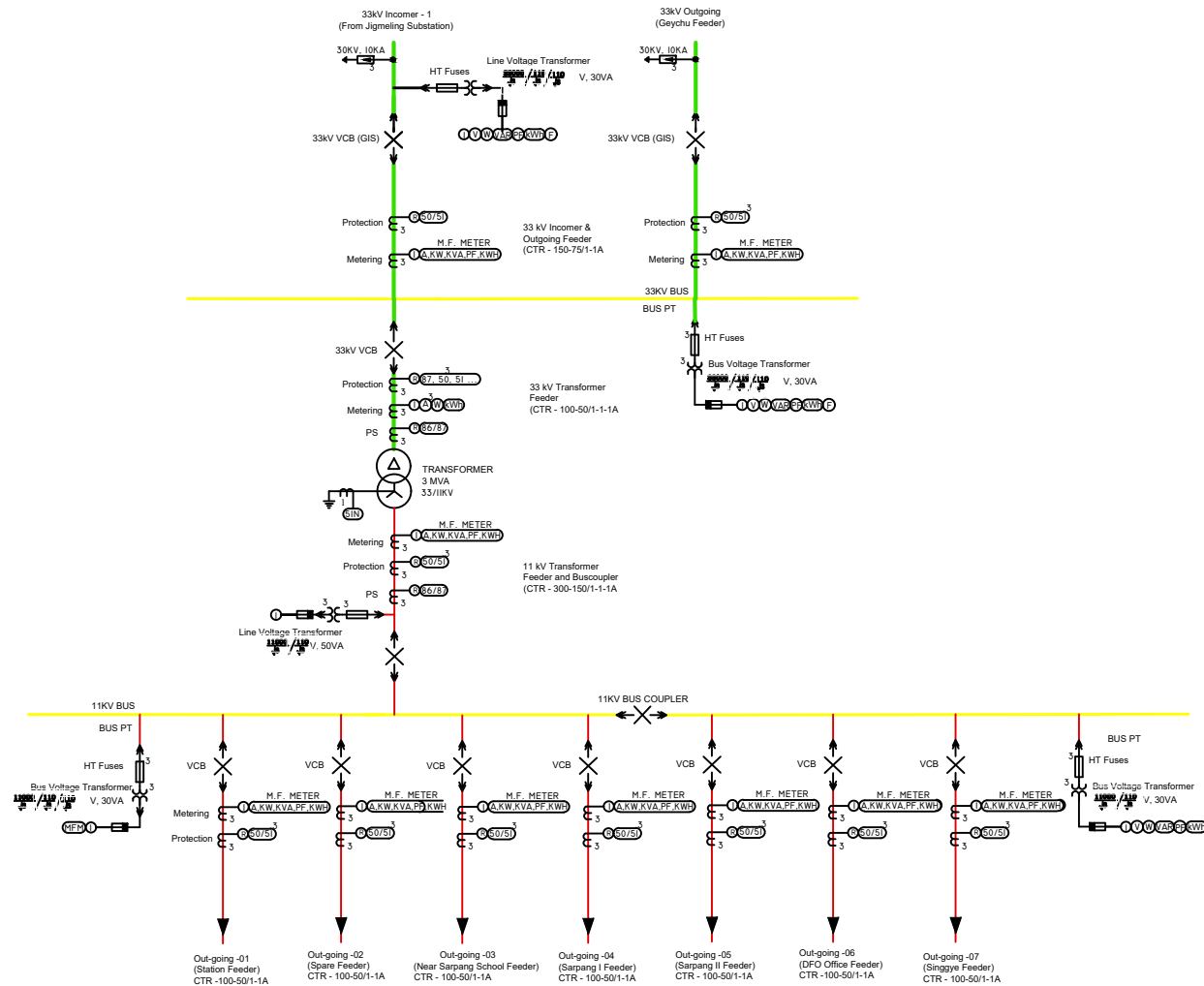


RELAYING

- 50 INSTANTANEOUS O/C RELAY
- 51 INVERSE TIME PHASE OVERCURRENT RELAY
- REF RESTRICTED EARTH FAULT RELAY

INSTRUMENTATION

- A AMMETER
- V VOLT METER
- W WATT METER
- VAR VAR METER
- VS VOLT METER SELESTOR SWITCH
- F FREQUENCY METER
- PF POWER FACTOR METER
- kWh ENERGY METER
- MFM MULTI FUNCTION METER



Sarpang Tar, Gelephu 33/11kV substation

Note:
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NOTE:	Title: PROPOSED SCHEMATIC FOR THE 33/11kV SUBSTATION AT SARPANG TAR, GELEPHU		File Name: BPC/C&PD/CMS/TENDER-2023/02	Date: January 2023	Scale: NTS
	Division: Electricity Services Division GELEPHU		Project: Bhutan Power Corporation Limited Contract Management Section Construction Division Construction & Procurement Department		Code:

SARPANG TAR (GELEPHU)