

FEEDER LIST BUSBAR A:



- NEW 132kV LINE RUMURUTI-1 CONTROL & BACKUP PROTECTION
- NEW 132kV LINE RUMURUTI-1 PROTECTION MAIN I
- NEW 132kV LINE RUMURUTI-1 CLOSE COIL
- NEW 132kV LINE RUMURUTI-1 CB/DS/ES MECHANISM
- NEW 132kV LINE RUMURUTI-1 TRIP COIL I
- NEW 132kV LINE RUMURUTI-2 CONTROL & BACKUP PROTECTION
- NEW 132kV LINE RUMURUTI-2 PROTECTION MAIN I
- NEW 132kV LINE RUMURUTI-2 CLOSE COIL
- NEW 132kV LINE RUMURUTI-2 CB/DS/ES MECHANISM
- NEW 132kV LINE RUMURUTI-2 TRIP COIL I
- NEW 132kV COUPLER CONTROL & BACKUP PROTECTION
- NEW 132kV COUPLER PROTECTION MAIN I
- NEW 132kV COUPLER CLOSE COIL
- NEW 132kV COUPLER CB/DS/ES MECHANISM
- NEW 132kV COUPLER TRIP COIL I
- NEW 132/33kV TRANS 2 CONTROL & BACKUP PROTECTION
- NEW 132/33kV TRANS 2 PROTECTION MAIN I PRIMARY SIDE
- NEW 132/33kV TRANS 2 PROTECTION MAIN I SECONDARY SIDE
- NEW 132/33kV TRANS 2 CB/DS/ES MECHANISM PRIMARY
- NEW 132/33kV TRANS 2 CB/DS/ES MECHANISM SECONDARY SIDE
- NEW 132/33kV TRANS 2 CLOSE COIL PRIMARY SIDE
- NEW 132/33kV TRANS 2 CLOSE COIL SECONDARY SIDE
- NEW 132/33kV TRANS 2 TRIP COIL I PRIMARY SIDE
- NEW 132/33kV TRANS 2 TRIP COIL I SECONDARY SIDE
- NEW 132/33kV TRANS 2 AVR
- NEW 33kV COUPLER MAIN PROTECTION
- NEW 33kV COUPLER CLOSE COIL
- NEW 33kV COUPLER CB/DS/ES MECHANISM
- NEW 33kV COUPLER TRIP COIL I
- 132kV B.B. PROTECTION
- EMERGENCY LIGHTING-1
- METERING SUPPLY-1
- UPS SUPPLY-1
- LVAC CB MECHANISM-1
- LVAC CONTROL AND PROTECTION SUPPLY-1
- FUTURES
- SPARES
- EXISTING FEEDERS

FEEDER LIST BUSBAR B:

- 132kV LINE RUMURUTI-1 PROTECTION MAIN II
- 132kV LINE RUMURUTI-1 TRIP COIL II
- 132kV LINE RUMURUTI-2 PROTECTION MAIN II
- 132kV LINE RUMURUTI-2 TRIP COIL II
- 132kV COUPLER PROTECTION MAIN II
- 132kV COUPLER TRIP COIL II
- 132/33kV TRANS 2 PROTECTION MAIN II PRIMARY SIDE
- 132/33kV TRANS 2 PROTECTION MAIN II SECONDARY SIDE
- 132/33kV TRANS 2 TRIP COIL II PRIMARY SIDE
- 132/33kV TRANS 2 TRIP COIL II SECONDARY SIDE
- 33kV COUPLER CONTROL AND BACKUP PROTECTION
- 33kV COUPLER TRIP COIL II
- EMERGENCY LIGHTING-2
- METERING SUPPLY-2
- UPS SUPPLY-2
- DC CONTROL AND PROTECTION SUPPLY
- LVAC CB MECHANISM-2
- LVAC CONTROL AND PROTECTION SUPPLY-2
- FUTURES
- SPARES
- EXISTING FEEDERS

* SECOND 110VDC SUPPLY SYSTEM(INCLUDING BATTERY PACKS, CHARGERS, CBs & FUSES, CABLING, PANELS, BUS, CONTROLS & PROTECTIONS AND ETC.) SHALL BE ADDED WITH ALL REQUIRED MODIFICATION IN EXISTING 110VDC SUPPLY SYSTEM BASED ON EPC CONTRACTOR CALCULATION IN DETAIL DESIGN STAGE SUBJECT TO CLIENT/CONSULTANT APPROVAL.

* ALL OTHER MODIFICATION OF EXISTING SCHEME(INCLUDING REARRANGEMENT OF FEEDERS AND REPLACING/UPGRADING EQUIPMENT) REGARDING ABOVE NOTE ARE INCLUDED IN SCOPE OF WORK.

REFERENCE DRAWINGS	
DRAWING NO.	FILE
APPROVED	APPROVED WITH COMMENTS
NOT APPROVED	FOR INFORMATION
DATE: _____ SIGNATURE/STAMP: _____ PROJECT CONSULTANT	
 KENYA ELECTRICITY TRANSMISSION COMPANY LTD	
 COLEONCO CONSULTING LIMITED	
PROJECT:	
KENYA TRANSMISSION NETWORK IMPROVEMENT PROJECT (KTRNP).	
PROJECT DRAWING NO. _____	
NAME:	DATE:
PREPARED: HL	KABARNET132/33kV SUBSTATION
DRAWN: J	DATE: 28/05/2023
CHECKED: V.JOSH	DATE: 28/05/2023
APPROVED: C.DENHAKU	DATE: 28/05/2023
110V DC SINGLE LINE DIAGRAM	
REVISIONS	
NO.	NAME
DATE	
SCALE: 1:400	DWG NO. KABARNET-110VDC-SLD-001
REV:	

110V DC SINGLE LINE DIAGRAM