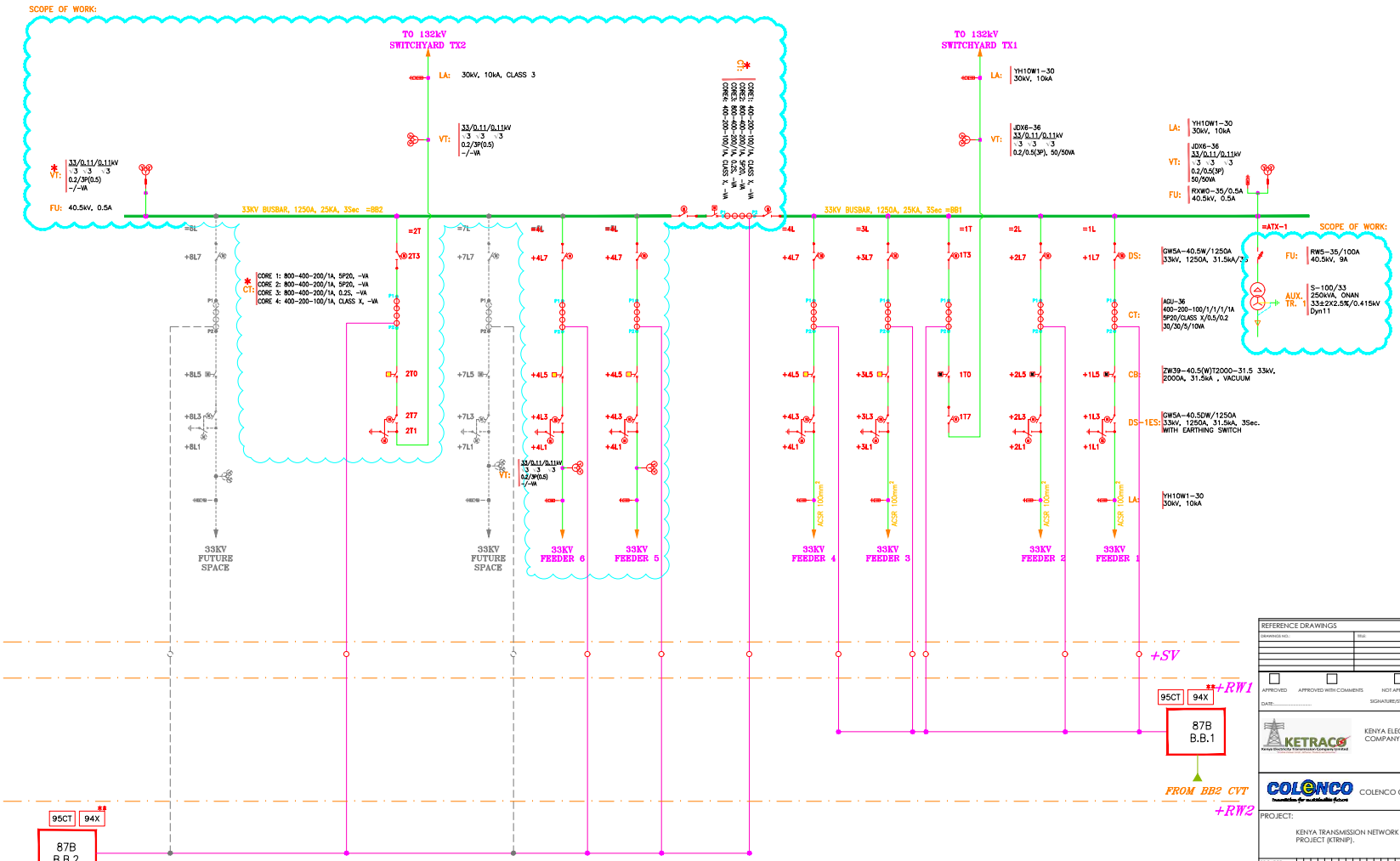


NOTE:

1- THE DRAWING IS FOR BIDDING PURPOSE ONLY
2- ALL RELAYS SHALL SUPPORT IEC61850 PROTOCOL.
3- ALL RELAYS PHYSICAL LINK SHALL FOLLOW THE EXISTING SCHEME.
4- THE EXISTING HIGH IMPEDANCE BUSBAR PROTECTION RELAY(B.B.1) SHALL BE DISMANTLED DECOMMISSIONED AND HANDED OVER TO KETRACO
5- ALL MODIFICATION OF EXISTING BUSBAR PROTECTION SYSTEM ARE IN SCOPE OF WORK
6- ALL SPECIFICATION(INCLUDING BURDEN, CLASS, RATIO, RESISTANCE, KNEE POINT AND ETC.) OF CT CORES USED FOR BUSBAR PROTECTION MUST BE EXACTLY THE SAME.

* THE BURDENS OF CTs AND CVTs TO BE FINALIZED AT EPC DETAILED DESIGN STAGE BY CONTRACTOR, SUBJECT TO APPROVAL OF BURDEN CALCULATIONS BY CLIENT/ CONSULTANT.

** THE QUANTITY OF HIGH SPEED AUXILIARY RELAYS SHALL BE FINALIZED AT DETAIL DESIGN STAGE BY CONTRACTOR, SUBJECT TO CLIENT/CONSULTANT APPROVAL.

33kV BUSBAR PROTECTION SLD



REFERENCE DRAWINGS

| DRAWINGS NO.: | TITLE: |
|---|---|
| | |

☐ APPROVED ☐ APPROVED WITH COMMENTS ☐ NOT APPROVED ☐ FOR INFORMATION

DATE:..... SIGNATURE/STAMP:..... PROJECT CONSULTANT

KETRACO — Kenya Electricity Transmission Company Limited

KENYA ELECTRICITY TRANSMISSION COMPANY LTD

COLENCO — transition for sustainable future

COLENCO CONSULTING LIMITED

PROJECT:

KENYA TRANSMISSION NETWORK IMPROVEMENT PROJECT (KTRNIP).

PROJECT DRAWING NO.:

| | NAME: | DATE: |
|---|---|---|
| PREPARED: | NIL | |
| DRAWN: | F.J | 19/05/2025 |
| CHECKED: | V.JOSHI | 19/05/2025 |
| APPROVED: | S.DESHMUKH | 19/05/2025 |

PROJECT NO.:

RUMURUTI 132/33kV SUBSTATION

TITLE:

33kV BUSBAR PROTECTION SLD

| REVISIONS | NO. | NAME | DATE |
|---|---|---|---|
| | | | |

SCALE: 1:600 DWG NO.: RUMURUTI-33kV BUSBAR-PSLD-003 REV.: 02