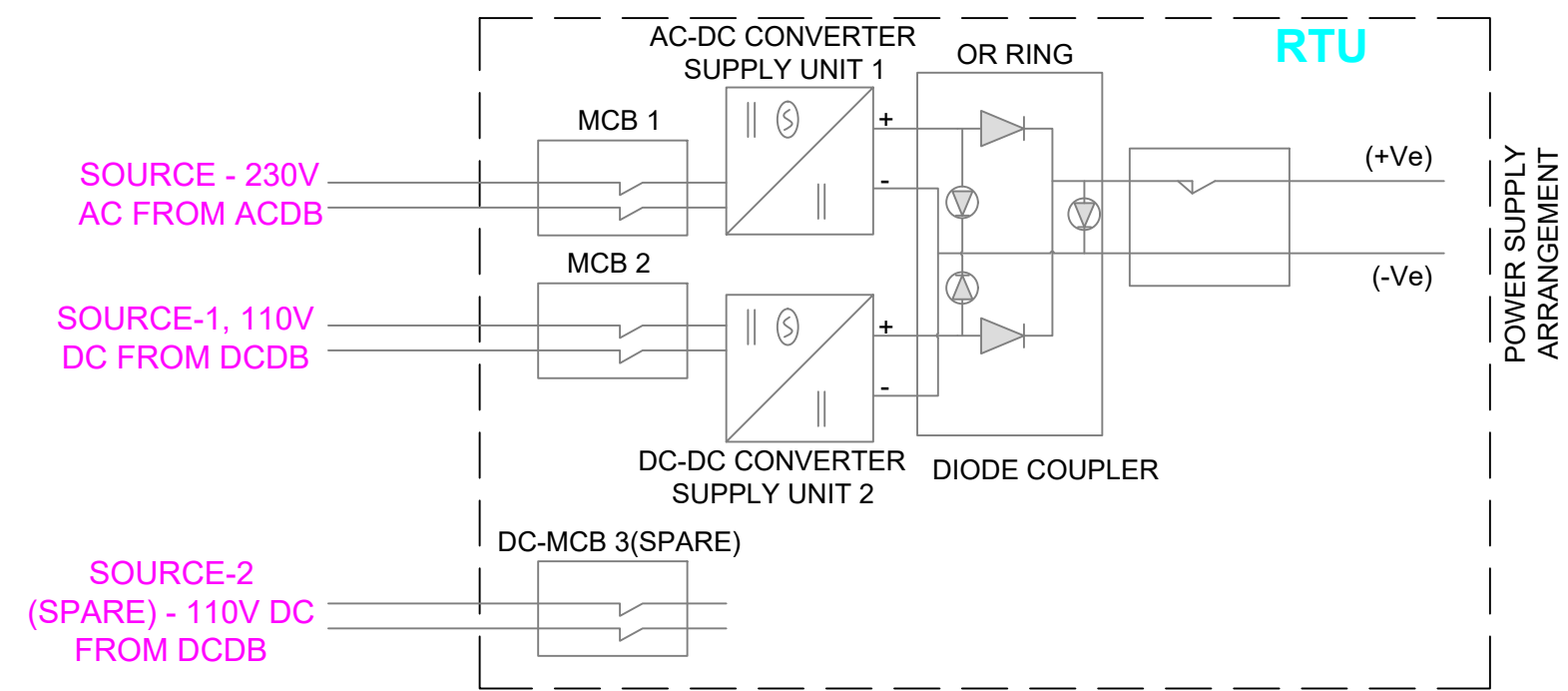
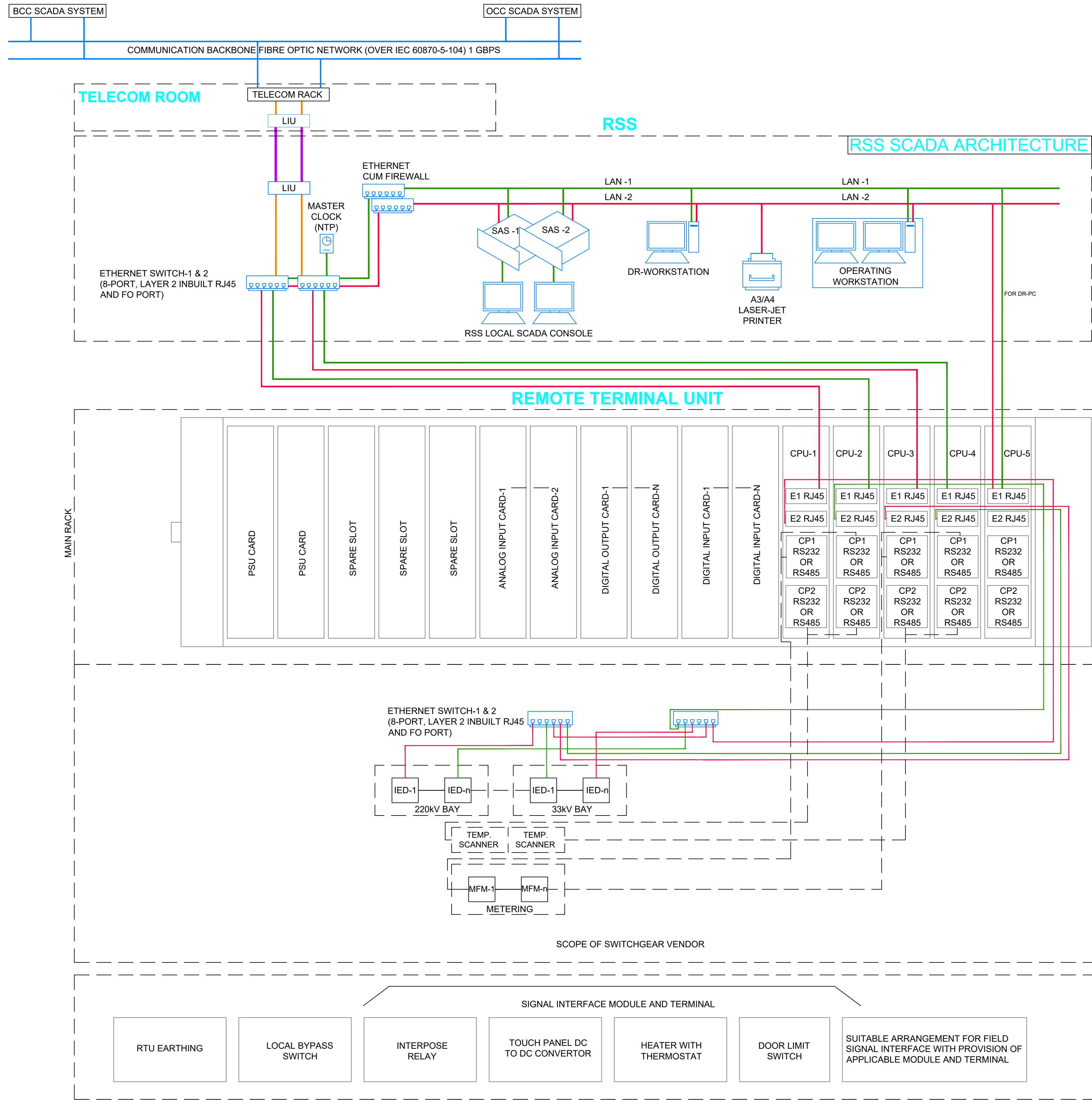




GENERAL NOTES:

- THIS IS INDICATIVE SCHEMATIC PRESENTATION ONLY. SUPPLIER/ CONTRACTOR SHALL CROSS REFER THE DETAIL TECHNICAL, FUNCTIONAL AND PERFORMANCE REQUIREMENT TO FULLY INTEGRATE THE SCADA SYSTEM AS PER DETAILED TECHNICAL SPECIFICATION.
- E1 & E2 ARE ETHERNET PORT TO INTERFACE WITH IEC 60870-5-104 AND IEC 61850 PROTOCOL RESPECTIVELY.
- CP1 & CP2 ARE RS232/RS485 PORT TO INTERFACE WITH IEC 60870-5-103 IEC 60870-5-101 & MODBUS PROTOCOL.
- LAN TO FO CONVERTOR SHALL BE PROVIDED BY EP5-CC CONTRACTOR, IF REQUIRED AT RELAY (IED's) LEVEL.
- CPU-1 AND CPU-3 WILL ACT AS MAIN (HOT) CPU CARD AND CPU-2 & CPU-4 WILL BE ACT STAND BY FOR CPU-1 & CPU-3 TO MAINTAIN THE REDUNDANCY.
- CPU-5 SHALL BE USED FOR DISTURBANCE RECORDER-PC.
- ANY KEY COMPONENTS OF RTU LIKE CPU CARD, POWER SUPPLY CARD, COMMUNICATION CARD, POWER SUPPLY CONVERTOR, NETWORK SWITCH ETC. ARE CONSIDERED IN DUAL REDUNDANT AND AUTO CHANGEOVER CONFIGURATION. ALSO 20% I/O SIGNAL CAPACITY OR MINIMUM ONE CARD, SPARE PROVISION SHALL BE CONSIDERED IN I/O MODULES OF EACH TYPE.
- RTU SHALL BE PROVIDED WITH TOUCH PANEL FOR LOCAL CONTROL OF POWER SUPPLY EQUIPMENT FROM RTU.

NOTES:

- ALL DIMENSIONS ARE IN METER UNLESS MENTIONED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
- ANY DISCREPANCY IN THE DRAWING MUST BE BROUGHT TO THE NOTICE OF THE DESIGNER.
- INTERFACE WITH OTHER DESIGN DISCIPLINE WILL BE DONE AS PER AVAILABILITY OF DETAILS.

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R0	12-08-2024	FIRST SUBMISSION			

APPROVAL BY K RIDE

DM / ELE / KRIDE Sr. DGM / ELE / KRIDE AGM / ELE / KRIDE

Certified that this document has been designed and checked in accordance with GC Quality Assurance Plan.

Senior Discipline Expert	Chief Discipline Expert	Project Director
Drawn	Checked:	Approved:

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan. Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP.

FOR TENDER PURPOSE ONLY

Client:	 RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED
Project Title:	Bengaluru Suburban Rail Project (BSRP) (Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP) Corridor-2 (Benniganahalli - Soladevanahalli)
Drawing Title:	CONFIGURATION FOR SCADA AND RTU (TYPE-3) ARRANGEMENT FOR RSS
Paper Size:	A3
Discipline:	
Date:	12/08/2024
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