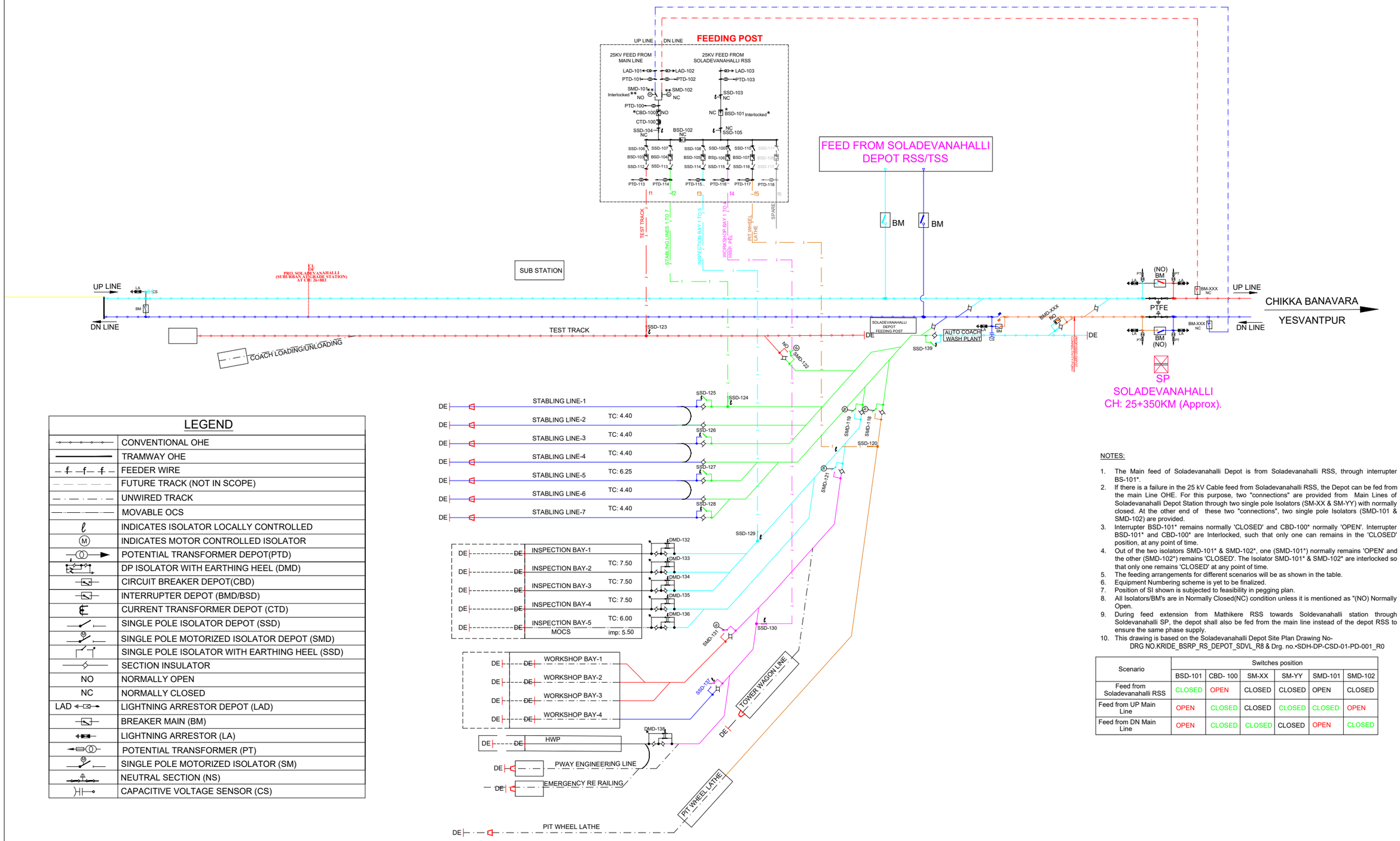

LEGEND

	CONVENTIONAL OHE
	TRAMWAY OHE
	FEEDER WIRE
	FUTURE TRACK (NOT IN SCOPE)
	UNWIRED TRACK
	MOVABLE OCS
ℓ	INDICATES ISOLATOR LOCALLY CONTROLLED
M	INDICATES MOTOR CONTROLLED ISOLATOR
	POTENTIAL TRANSFORMER DEPOT(PTD)
	DP ISOLATOR WITH EARTHING HEEL (DMD)
	CIRCUIT BREAKER DEPOT(CBD)
	INTERRUPTER DEPOT (BMD/BSD)
	CURRENT TRANSFORMER DEPOT (CTD)
	SINGLE POLE ISOLATOR DEPOT (SSD)
	SINGLE POLE MOTORIZED ISOLATOR DEPOT (SMD)
	SINGLE POLE ISOLATOR WITH EARTHING HEEL (SSD)
	SECTION INSULATOR
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
LAD	LIGHTNING ARRESTOR DEPOT (LAD)
	BREAKER MAIN (BM)
	LIGHTNING ARRESTOR (LA)
	POTENTIAL TRANSFORMER (PT)
	SINGLE POLE MOTORIZED ISOLATOR (SM)
	NEUTRAL SECTION (NS)
	CAPACITIVE VOLTAGE SENSOR (CS)

NOTES:

1. The Main feed of Soladevanahalli Depot is from Soladevanahalli RSS, through interrupter BS-101*.
2. If there is a failure in the 25 kV Cable feed from Soladevanahalli RSS, the Depot can be fed from the main Line OHE. For this purpose, two "connections" are provided from Main Lines of Soladevanahalli Depot Station through two single pole Isolators (SM-XX & SM-YY) with normally closed. At the other end of these two "connections", two single pole Isolators (SMD-101 & SMD-102) are provided.
3. Interrupter BSD-101* remains normally 'CLOSED' and CBD-100* normally 'OPEN'. Interrupter BSD-101* and CBD-100* are Interlocked, such that only one can remains in the 'CLOSED' position, at any point of time.
4. Out of the two isolators SMD-101* & SMD-102*, one (SMD-101*) normally remains 'OPEN' and the other (SMD-102*) remains 'CLOSED'. The Isolator SMD-101* & SMD-102* are interlocked so that only one remains 'CLOSED' at any point of time.
5. The feeding arrangements for different scenarios will be as shown in the table.
6. Equipment Numbering scheme is yet to be finalized.
7. Position of SI shown is subjected to feasibility in pegging plan.
8. All Isolators/BM's are in Normally Closed(NC) condition unless it is mentioned as "(NO) Normally Open.
9. During feed extension from Mathikere RSS towards Soldevanahalli station through Soldevanahalli SP, the depot shall also be fed from the main line instead of the depot RSS to ensure the same phase supply.
10. This drawing is based on the Soladevanahalli Depot Site Plan Drawing No- DRG NO.KRIDE_BSRP_RS_DEPOT_SDVL_R8 & Drg. no.•SDH-DP-CSD-01-PD-001_R0

Scenario	Switches position					
	BSD-101	CBD- 100	SM-XX	SM-YY	SMD-101	SMD-102
Feed from Soladevanahalli RSS	CLOSED	OPEN	CLOSED	CLOSED	OPEN	CLOSED
Feed from UP Main Line	OPEN	CLOSED	CLOSED	CLOSED	CLOSED	OPEN
Feed from DN Main Line	OPEN	CLOSED	CLOSED	CLOSED	OPEN	CLOSED

NOTES:

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

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R3	05-08-2025	Revised as per GC letter-60 - Reg Review of Soladevanahlli Depot CSD rev-0 Drg. no.•SDH-DP-CSD-01-PD-001, Dated 26-06-2025	IA	DKC	SK
R2	29-01-2025	Revised as per Latest Alignment received on 27-01-25	KD	KMB	RK/SK
R1	30-12-2024	Cross over between DN LN and Test Track removed	KD	KMB	RK/SK
R0	30-08-2024	FIRST SUBMISSION	IA / SB	CK/NP	RK/SK

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.

EGIS-AECOM-WSP

Senior Discipline Expert	Chief Discipline Expert	Project Director

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

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Client: K RIDE — 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: 25KV OHE SECTIONING SCHEMATIC DIAGRAM OF SOLADEVANAHALLI DEPOT

Project Stage: Preliminary Design

Paper Size:	Discipline:	Date:	Scale:
A3	Power Supply & Traction System	30/08/2024	NTS

Drawing no.: KRDD01-PRD-CR02-SLD-OCS-SEC-00001

Revision: R3