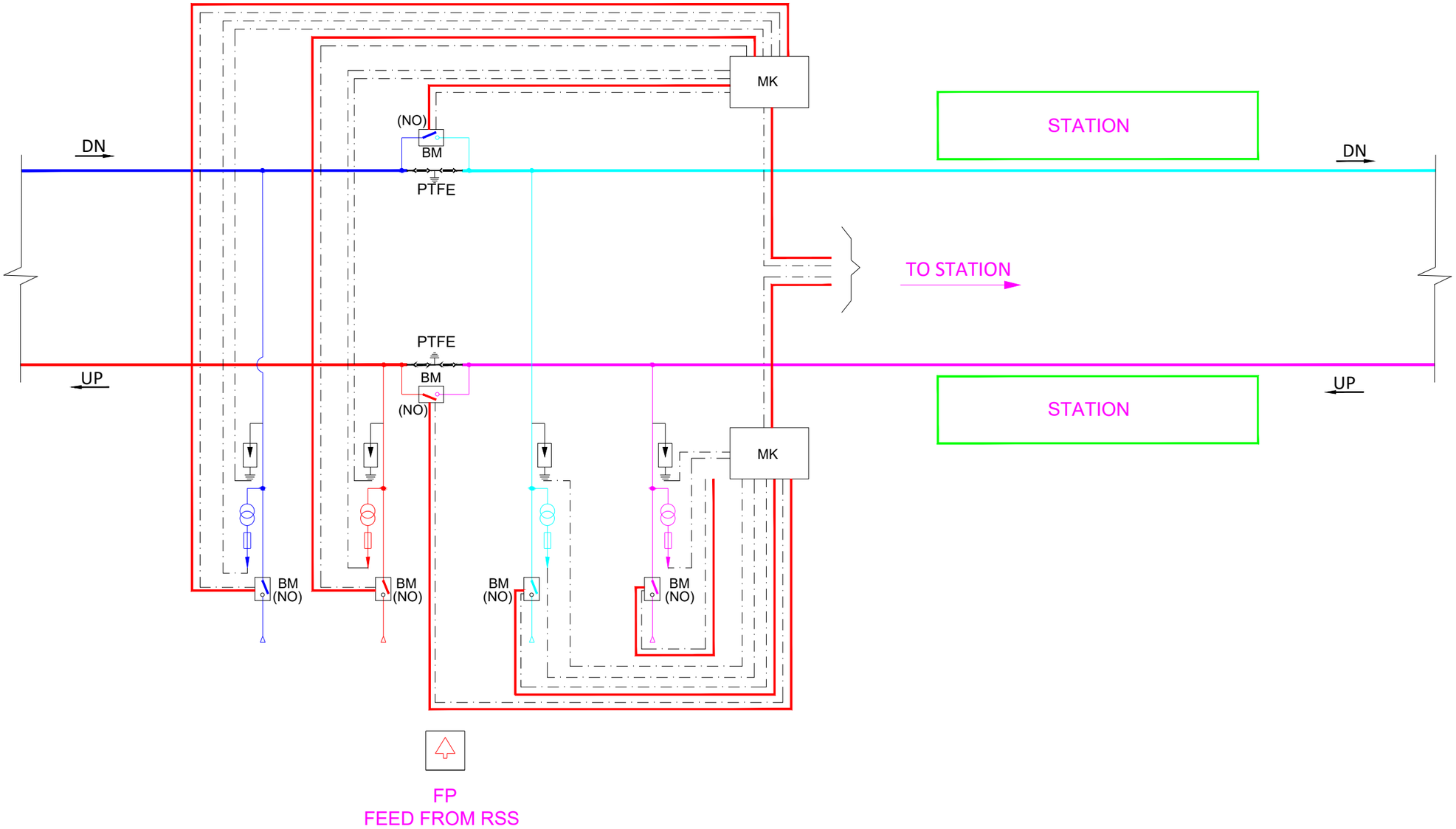

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
3. THIS IS JUST TYPICAL ARRANGEMENT AND MAY CHANGE DURING DETAIL DESIGN STAGE AS PER VENDOR DRAWINGS.
4. FROM SAFETY POINT OF VIEW, MESH FRAME SHOULD BE PROVIDED AT COUNTRY SIDE OF POTENTIAL TRANSFORMER & LIGHTNING ARRESTER.
5. LIGHTNING ARRESTERS HAVE BEEN PROPOSED ALONG WITH POTENTIAL TRANSFORMER.
6. ALL EQUIPMENTS WILL BE SUPPORTED ON B200 MAST.
7. JUMPERS CONNECTING EQUIPMENT TO OHE SHOULD HAVE SUITABLE ELECTRICAL CLEARANCES.
8. SUITABLE CLEARANCES SHOULD BE MAINTAIN BETWEEN ALL EQUIPMENT AND SUPPORTING STRUCTURE.
9. LENGTH OF THE ALL JUMPERS IS DIRECTLY RELATED TO THE NORMAL SET-UP TEMPERATURE OF THE PARTICULAR EQUIPMENT AND THE JUMPER LOOP MUST HAVE SUFFICIENT SLACK TO ALLOW FOR MAXIMUM DIFFERENTIAL MOVEMENT BETWEEN CATENARIES OR THE CONNECTING WIRES.
11. TENDER DRAWINGS ARE INDICATIVE ONLY.

LEGEND

S. No.	SYMBOLS	DESCRIPTION
1.		25kV POTENTIAL TRANSFORMER
2.		INTERRUPTER
3.		SECTION INSULATOR
4.		CONTROL CABLES
5.		LT POWER SUPPLY CABLES
6.		LIGHTNING ARRESTOR (LA)
7.		PTFE TYPE NEUTRAL SECTION

FOR TENDER PURPOSE ONLY

NOTES:

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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.

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R1	02-09-2024	Revised as per K-RIDE comments	KD	CK / NP	RK / SK
R0	13-08-2024	FIRST SUBMISSION	DK / 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

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Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP

SYSTRA MVA CONSULTING (INDIA) PVT. LTD.
10th and 11th Floor, Tower-B, 12/3, Vatika Mindscapes, Mathura Road, NH2, Sector 27D, Faridabad, Haryana 121013

Drawn	Checked:	Approved:
D. Kumar	D. Kalyan	R. Kapoor
S. Bhati	N. Parmar	S. Kumar

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)

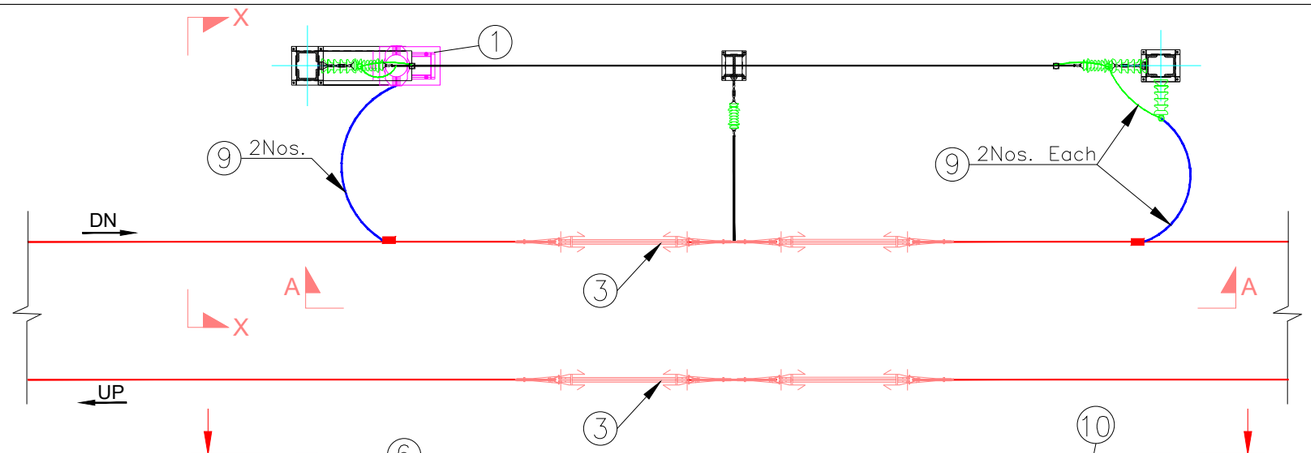
Corridor-2 (Benniganahalli -Soladevanahalli)

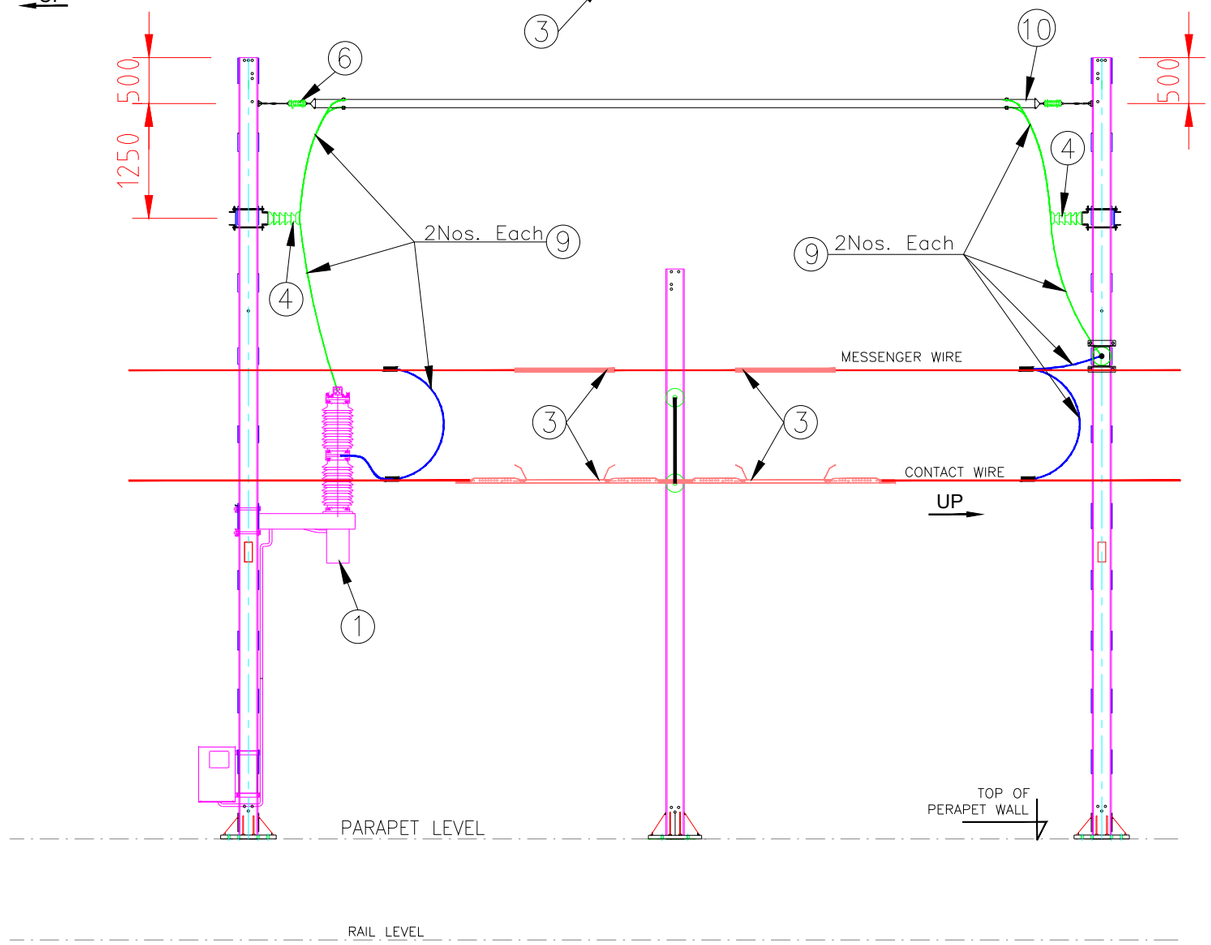
Drawing Title: FEEDING POST (FP) ELECTRICAL SCHEMATIC DIAGRAM (SHEET-1 OF 3)

Project Stage: Tender Drawing

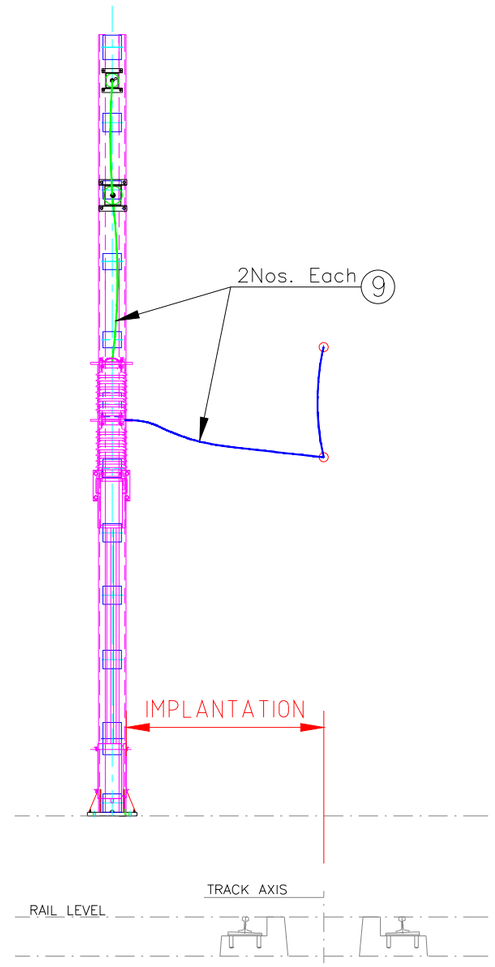
Paper Size: A3 | Discipline: Power Supply & Traction System | Date: 13/08/2024 | Scale: NTS

Drawing no.: KRDD01-TDR-GEN-GEN-OCS-DWG-00023 | Revision: R1





VIEW AT 'A-A'
(DN LINE)



VIEW AT 'X-X'
(DN LINE)

LEGEND

1. 25KV INTERRUPTER
2. 25KV POTENTIAL TRANSFORMER
3. PTFE NEUTRAL SECTION
4. 25KV POST INSULATOR WITHOUT OUTRIGGER
5. 25KV POST INSULATOR WITH OUTRIGGER
6. 25KV CUT IN INSULATOR
7. 25 KV LIGHTNING ARRESTER
8. 75 SQ MM Cu. JUMPER WIRE
9. 120 SQ MM Cu. JUMPER WIRE
10. 145 SQ MM SLACK/ CROSS FEEDER
11. SAFETY SCREEN PANEL
12. 105 SQ MM Cu. JUMPER WIRE

LEGEND

S. No.	SYMBOLS	DESCRIPTION
1.		25kV POTENTIAL TRANSFORMER
2.		INTERRUPTER
3.		SECTION INSULATOR
4.		CONTROL CABLES
5.		LT POWER SUPPLY CABLES
6.		LIGHTNING ARRESTOR (LA)
7.		PTFE TYPE NEUTRAL SECTION

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Drawn		Checked:		Approved:	
D. Kumar		D. Kalyan		R. Kapoor	
S. Bhati		N. Parmar		S. Kumar	

Client:

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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)

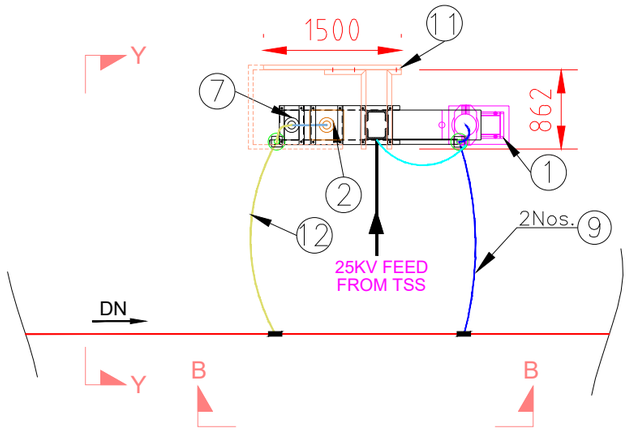
Drawing Title: FEEDING POST(FP) PLAN & ELEVATION VIEW - DN LINE BRIDGING (SHEET-2 OF 3)

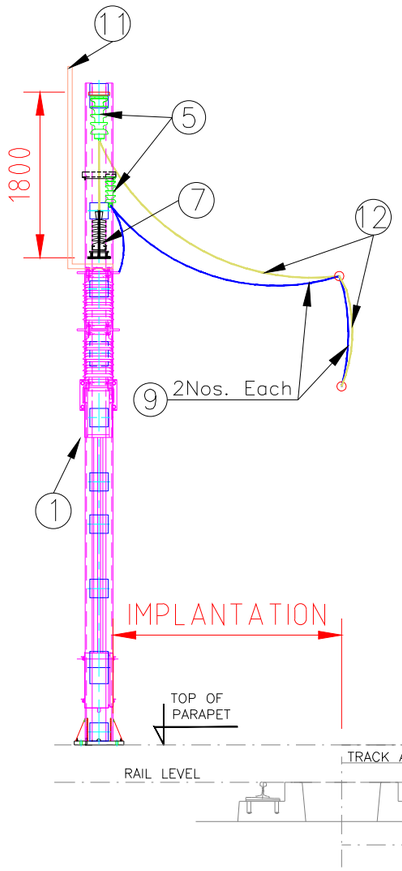
Project Stage: Tender Drawing

Paper Size:	Discipline:	Date:	Scale:
A3	Power Supply & Traction System	13/08/2024	NTS

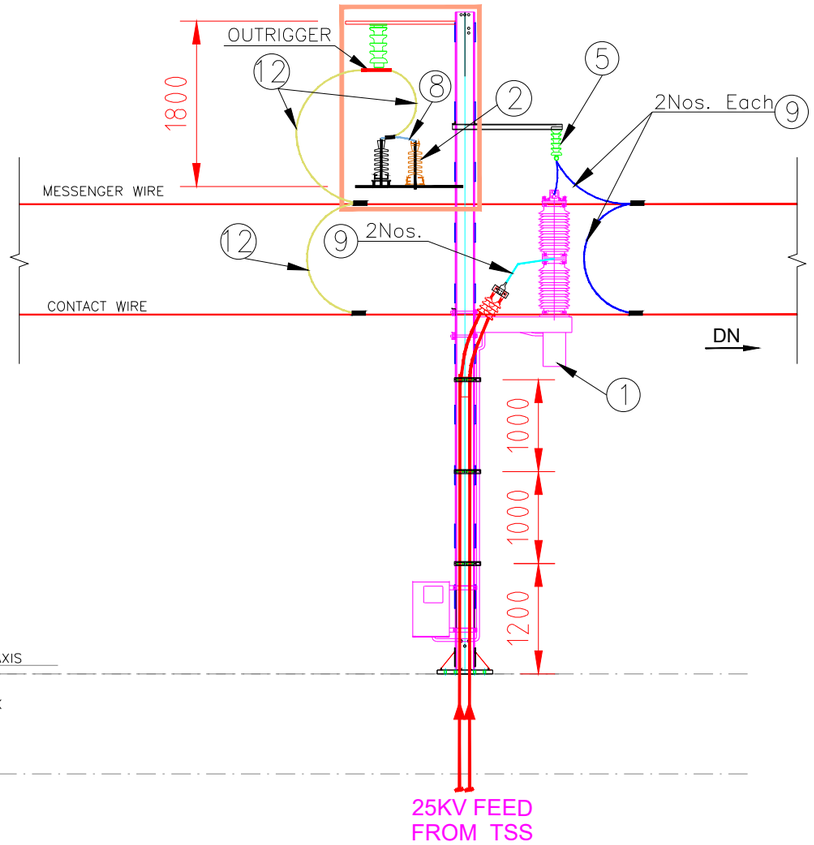
Drawing no.: KRDD01-TDR-GEN-GEN-OCS-DWG-00023

Revision: R1





VIEW AT 'Y-Y'



VIEW AT 'B-B'

(DN LINE)

LEGEND

S. No.	SYMBOLS	DESCRIPTION
1.		25kV POTENTIAL TRANSFORMER
2.		INTERRUPTER
3.		SECTION INSULATOR
4.		CONTROL CABLES
5.		LT POWER SUPPLY CABLES
6.		LIGHTNING ARRESTOR (LA)
7.		PTFE TYPE NEUTRAL SECTION

LEGEND

1. 25KV INTERRUPTER
2. 25KV POTENTIAL TRANSFORMER
3. PTFE NEUTRAL SECTION
4. 25KV POST INSULATOR WITHOUT OUTRIGGER
5. 25KV POST INSULATOR WITH OUTRIGGER
6. 25KV CUT IN INSULATOR
7. 25 KV LIGHTNING ARRESTER
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Corridor-2 (Benniganahalli -Soladevanahalli)

Drawing Title: FEEDING POST (FP)
PLAN & ELEVATION VIEW - DN LINE FEEDER
(SHEET-3 OF 3)

Project Stage: Tender Drawing

Paper Size: A3 | Discipline: Power Supply & Traction System | Date: 13/08/2024 | Scale: NTS

Drawing no.: KRDD01-TDR-GEN-GEN-OCS-DWG-00023 | Revision: R1