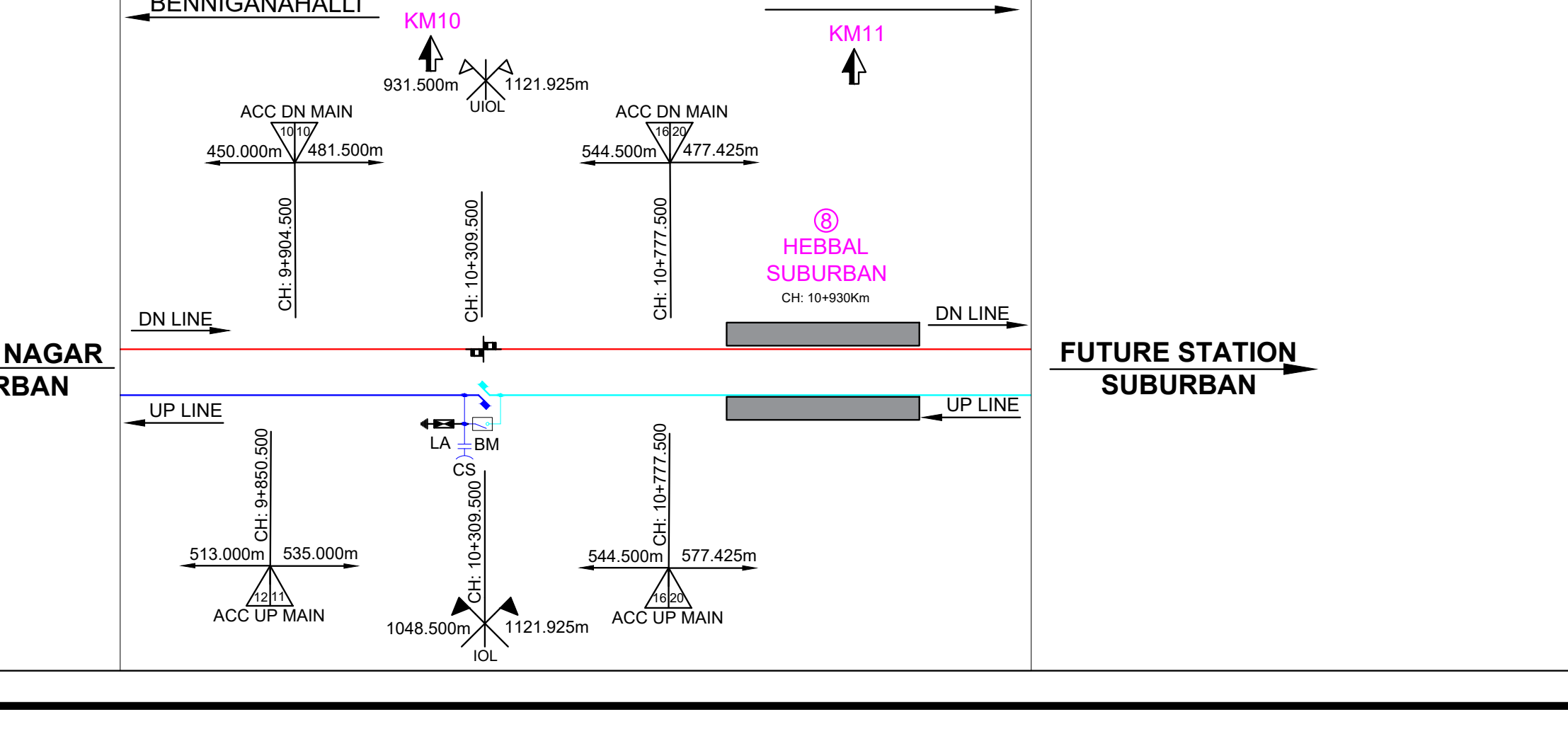
KM 10
KM 11
215/400
215/500
215/600
215/700
215/800
215/900
216/000
216/100
216/200
216/300
216/400
216/500
216/600
216/700
216/800
216/900
9+700
9+800
9+900
10+000
10+100
10+200
10+300
10+400
10+500
10+600
10+700
10+800
10+900
11+000
11+100
11+200
Refer Drawing No.- KRDD01-TDR-CR02-GEN-OCS-PGP-00004
Refer Drawing No.- KRDD01-TDR-CR02-GEN-OCS-PGP-00006
T.L.=1638.000m Loc:8/4 CH: 8100.000m
T.L.=1702.000m Loc: 11/26 CH: 11440.000m
T.L.=1638.000m Loc:8/3 CH: 8100.000m
T.L.=1702.000m Loc: 11/25 CH: 11440.000m
ACC CENTRE FOR DN MAIN
T.L =450.000m Loc: 9/32 CH: 9454.500m
T.L =481.500m Loc: 10/18 CH:10386.000m
T.L =513.000m Loc: 9/25 CH: 9337.500m
T.L =535.500m Loc: 10/17 CH:10386.000m
ACC CENTRE FOR UP MAIN
T.L.=1121.925m Loc:11/22 CH: 11354.925m
T.L.=1121.925m Loc:11/21 CH: 11354.925m
UIOL FOR DN LINE CH: 10309.500
IOL FOR UP LINE CH: 10309.500
T.L.=931.500m Loc: 9/32 CH: 9454.500m
T.L.=1048.500m Loc: 9/25 CH: 9337.500m
10/15A BM CH: 10350.000
LA
BM
CS
BWA
ACA
RCA/OPCA
DN LINE
UP LINE
KANAKA NAGAR SUBURBAN
FUTURE STATION SUBURBAN
C.No.40
C.No.40A
C.No.22
C.No.23
C.No.24
PROPOSED SUBURBAN PLATFORM -205m x 6.2 m
CL OF PRO. HEBBAL (SUBURBAN AT GRADE STATION) AT CH: 10930 RAIL LEVEL: 895.045
TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.
BSRP DOWN TRACK Curve CH:11288.914m R = 750m Curve No. = 25 - LH Degree =2.333° Delta = 7°40'50.68" CCL = 80.541m TRL = 20.000m TTL = 60.347m Cd = 40mm Cl = 37.625mm Cg = 1 in500mm Max. Speed =
9/46 Mast Type--- Chainage 9738.000
9/48 Mast Type--- Chainage 9792.000
9/50 Mast Type--- Chainage 9850.500
9/52 Mast Type--- Chainage 9904.500
9/54 Mast Type--- Chainage 9963.000
10/2 Mast Type--- Chainage 10021.500
10/4 Mast Type--- Chainage 10075.500
10/6 Mast Type--- Chainage 10134.000
10/8 Mast Type--- Chainage 10188.000
10/10 Mast Type--- Chainage 10233.000
10/12 Mast Type--- Chainage 10273.500
10/14 Mast Type--- Chainage 10309.500
10/16 Mast Type--- Chainage 10345.500
10/18 Mast Type--- Chainage 10386.000
10/20 Mast Type--- Chainage 10435.500
10/22 Mast Type--- Chainage 10480.500
10/24 Mast Type--- Chainage 10521.000
10/26 Mast Type--- Chainage 10552.500
10/28 Mast Type--- Chainage 10588.500
10/30 Mast Type--- Chainage 10629.000
10/32 Mast Type--- Chainage 10665.000
10/34 Mast Type--- Chainage 10696.500
10/36 Mast Type--- Chainage 10723.500
10/38 Mast Type--- Chainage 10741.500
10/40 Mast Type--- Chainage 10759.500
10/42 Mast Type--- Chainage 10777.500
10/44 Mast Type--- Chainage 10795.500
10/48 Mast Type--- Chainage 10840.500
10/50 Mast Type--- Chainage 10876.500
10/52 Mast Type--- Chainage 10912.500
10/54 Mast Type--- Chainage 10948.500
10/56 Mast Type--- Chainage 10984.500
11/2 Mast Type--- Chainage 11020.500
11/4 Mast Type--- Chainage 11047.500
11/6 Mast Type--- Chainage 11070.000
11/8 Mast Type--- Chainage 11088.000
11/10 Mast Type--- Chainage 11110.500
11/12 Mast Type--- Chainage 11128.500
11/14 Mast Type--- Chainage 11155.500
11/16 Mast Type--- Chainage 11191.500
11/18 Mast Type--- Chainage 11227.500
9/45 Mast Type--- Chainage 9738.000
9/47 Mast Type--- Chainage 9792.000
9/49 Mast Type--- Chainage 9850.500
9/51 Mast Type--- Chainage 9904.500
9/53 Mast Type--- Chainage 9963.000
10/1 Mast Type--- Chainage 10021.500
10/3 Mast Type--- Chainage 10075.500
10/5 Mast Type--- Chainage 10134.000
10/7 Mast Type--- Chainage 10188.000
10/9 Mast Type--- Chainage 10233.000
10/11 Mast Type--- Chainage 10273.500
10/13 Mast Type--- Chainage 10309.500
10/15 Mast Type--- Chainage 10345.500
10/17 Mast Type--- Chainage 10386.000
10/19 Mast Type--- Chainage 10435.500
10/21 Mast Type--- Chainage 10480.500
10/23 Mast Type--- Chainage 10521.000
10/25 Mast Type--- Chainage 10552.500
10/27 Mast Type--- Chainage 10588.500
10/29 Mast Type--- Chainage 10629.000
10/31 Mast Type--- Chainage 10665.000
10/33 Mast Type--- Chainage 10696.500
10/35 Mast Type--- Chainage 10723.500
10/37 Mast Type--- Chainage 10741.500
10/39 Mast Type--- Chainage 10759.500
10/41 Mast Type--- Chainage 10777.500
10/43 Mast Type--- Chainage 10795.500
10/45 Mast Type--- Chainage 10813.500
10/47 Mast Type--- Chainage 10836.000
10/49 Mast Type--- Chainage 10872.000
10/51 Mast Type--- Chainage 10908.000
10/53 Mast Type--- Chainage 10944.000
10/55 Mast Type--- Chainage 10980.000
11/1 Mast Type--- Chainage 11016.000
11/3 Mast Type--- Chainage 11047.500
11/5 Mast Type--- Chainage 11070.000
11/7 Mast Type--- Chainage 11088.000
11/9 Mast Type--- Chainage 11110.500
11/11 Mast Type--- Chainage 11128.500
11/13 Mast Type--- Chainage 11155.500
11/15 Mast Type--- Chainage 11191.500
11/17 Mast Type--- Chainage 11227.500


BENNIGANAHALLI
SOLADEVANAHALLI
KM10
KM11
ACC DN MAIN
450.000m
481.500m
931.500m
1121.925m
UIOL
544.500m
477.425m
HEBBAL SUBURBAN CH: 10+930Km
DN LINE
UP LINE
KANAKA NAGAR SUBURBAN
FUTURE STATION SUBURBAN
LA
BM
CS
513.000m
535.000m
ACC UP MAIN
1048.500m
IOL
544.500m
577.425m
CH: 9+454.500
CH: 10+309.500
CH: 10+777.500
CH: 9+850.500
CH: 10+369.500

LEGEND

Sr. No.	DESCRIPTION	SYMBOL
1	OHE Span length in metres	(30)
2	Insulated Overlap (IOL)	
3	Un insulated Overlap (UIOL)	
4	Section Insulator	
5	Single Pole Isolator	
6	Double pole Isolator with Earth Heel	
7	Normal Mast with Single Cantilever Assembly at Viaduct	
8	Normal Mast with Multiple Cantilever Assembly at Viaduct	
9	Normal Mast with triple Cantilever Assembly at Viaduct	
10	Portal with Drop Arm and Single Cantilever Assembly at Viaduct	
11	Portal with Drop Arm and Double Cantilever Assembly at Viaduct	
12	Two Track Cantilever Assembly (TTC 5.50/8.0) at Viaduct	
13	Normal Mast with Single Cantilever Assembly at Grade	
14	Normal Mast with Multiple Cantilever Assembly at Grade	
15	Normal Mast with triple Cantilever Assembly at Grade	
16	Portal with Drop Arm and Single Cantilever Assembly at Grade	
17	Portal with Drop Arm and Double Cantilever Assembly at Grade	
18	Two Track Cantilever Assembly (TTC 5.50/8.0) at Grade	
19	Drop arm support with single cantilever (6"x6" DA)	
20	Drop arm support with Double cantilever (8"x6" DA)	
21	Drop arm support with triple cantilever (8"x6" DA)	
22	Anchoring stay with Fixed Termination-conv.	FTA
23	Anchoring Stay with Spring Termination Anchor	BWA
24	Versine	300
25	Anticreep Anchor	ACA
26	Anticreep Center	ACC
27	Tension Length	TL
28	Upright Details (Clearspan)	BFBU/GU(CS:xx)
29	Sub-Sectioning and Paralleling Post (SSP)	
30	Sub-Sectioning Post (SS)	
31	Sectioning and Paralleling Post (SP)	
32	Feeding Post (FP)	
33	Obligatory	OBL
34	To Be Decided	TBD
35	Interrupter(BM)	
36	Potential Transformer (PT)	
37	Lightning Arrestor (LA)	
38	Booster Transformer	
39	Spare	
40	Overhead Protection Conductor Anchor	OPCA
41	Return Conductor Anchor	RCA
42	Tramway OHE	
43	In-Run Wire	
44	Out-of Run Wire	
45	PTFE	PTFE
46	Overhead Protection Conductor	OPC
47	Return Conductor	RC
48	Cross feeder	
49	Slack feeder	
50	Full Feeding Jumper	G
51	Potential Equalising Jumper	F PE
52	In-Span Jumper	H
53	RC and OPC Support	
54	Track at Lower level (Corridor 2)	
55	Track at UP/DN line (Corridor 2)	
56	Track at UP & DN (Corridor 1)	

NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
3. ALIGNMENT OF THE PEGGING PLAN HAS BEEN PREPARED ACCORDING TO THE ALIGNMENT DRAWING RECEIVED FROM GC / KRIDE DT. 08-07-2024.
4. OHE CHAINAGES OF PEGGING PLAN FOR AT GRADE SECTION HAS BEEN REFERRED WITH RESPECT TO DOWN LINE CHAINAGE.
5. SPANS ARE ROUNDED OFF TO NEAREST SINGLE DECIMAL.
6. MAST TYPE SHALL BE DEMARCATED IN PEGGING PLAN AFTER FINALIZATION OF OHE LOAD CALCULATIONS.
7. OHE HEIGHT CLEARANCE UNDER/OVER LINE STRUCTURE (HT. LINE X-ING ETC.) TO BE CONFIRMED OR SPECIAL CARE TO BE TAKEN BEFORE ERECTION FOR THAT PARTICULAR AREA WHEREVER REQUIRED.

FOR TENDER PURPOSE ONLY

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
R0	09-08-2024	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:
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: OHE Pegging Plan for Main Line
CH: 9+738.000Km to CH: 11+191.500Km

Project Stage: Tender Drawing

Paper Size: 297X3200
Discipline: Power Supply & Traction System
Date: 14/08/2024
Scale: NTS
Drawing no. KRDD01-TDR-CR02-GEN-OCS-PGP-00005
Revision: R0