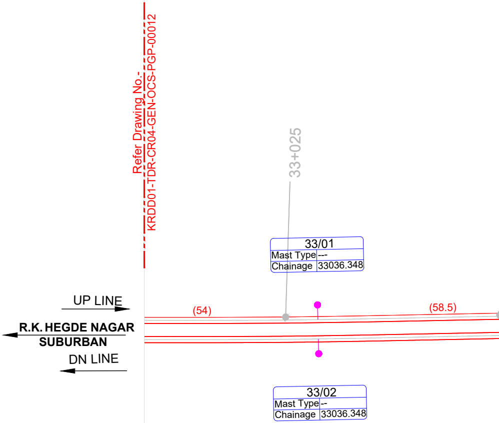
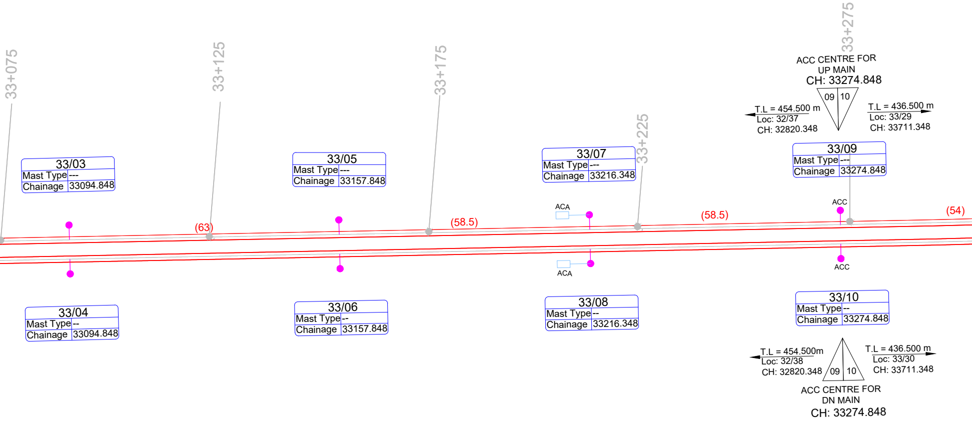
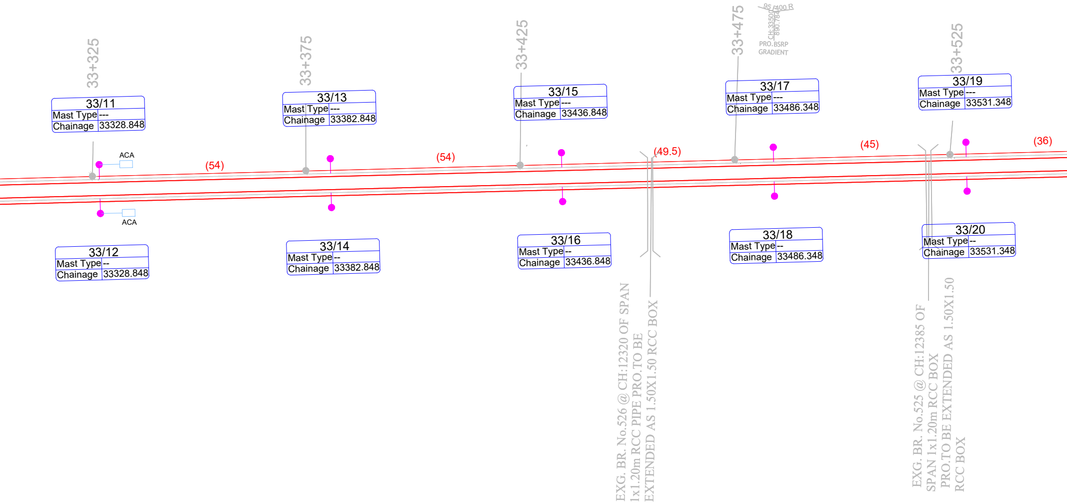
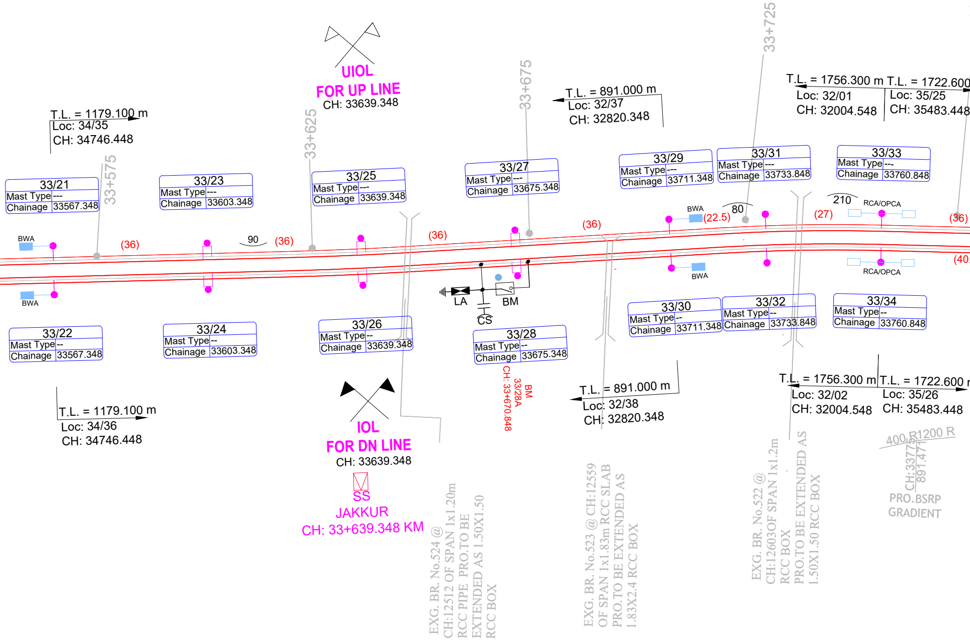
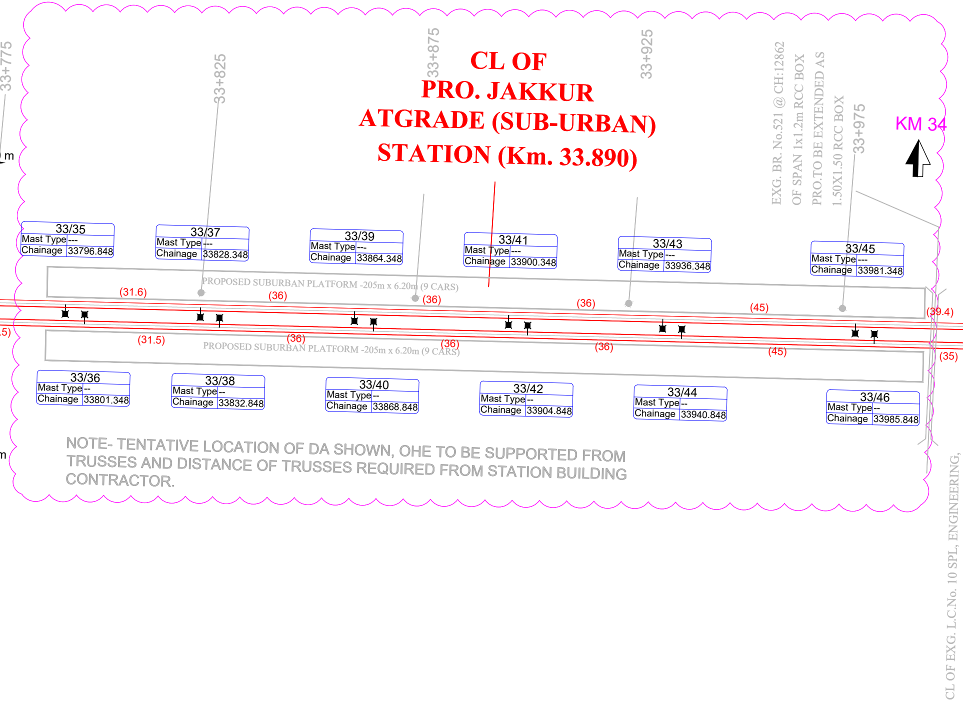

Refer Drawing No.-
KRDD01-TDR-CR04-GEN-OCS-PGP-00012
33+025
33/01
Mast Type ---
Chainage 33036.348
UP LINE
R.K. HEGDE NAGAR
SUBURBAN
DN LINE
(54)
(58.5)
33/02
Mast Type --
Chainage 33036.348

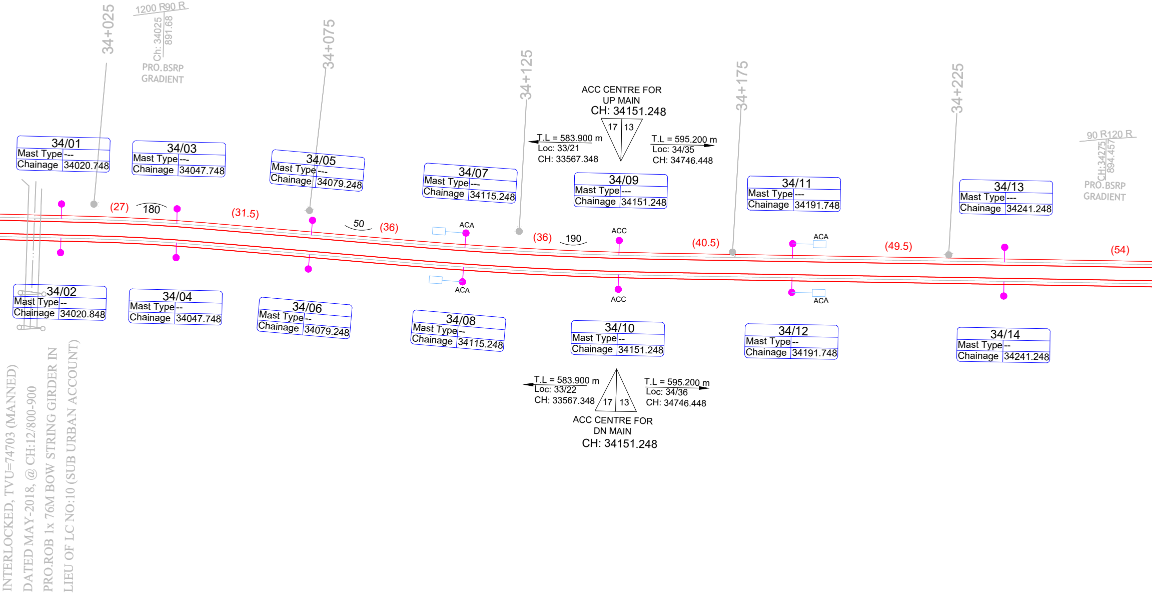

33+075
33+125
33+175
33+225
33+275
ACC CENTRE FOR
UP MAIN
CH: 33274.848
09
10
T.L = 454.500 m
Loc: 32/37
CH: 32820.348
T.L = 436.500 m
Loc: 33/29
CH: 33711.348
33/03
Mast Type ---
Chainage 33094.848
33/05
Mast Type ---
Chainage 33157.848
33/07
Mast Type ---
Chainage 33216.348
33/09
Mast Type ---
Chainage 33274.848
ACA
ACC
(63)
(58.5)
(58.5)
(54)
ACA
ACC
33/04
Mast Type --
Chainage 33094.848
33/06
Mast Type --
Chainage 33157.848
33/08
Mast Type --
Chainage 33216.348
33/10
Mast Type --
Chainage 33274.848
T.L = 454.500m
Loc: 32/38
CH: 32820.348
09
10
T.L = 436.500 m
Loc: 33/30
CH: 33711.348
ACC CENTRE FOR
DN MAIN
CH: 33274.848

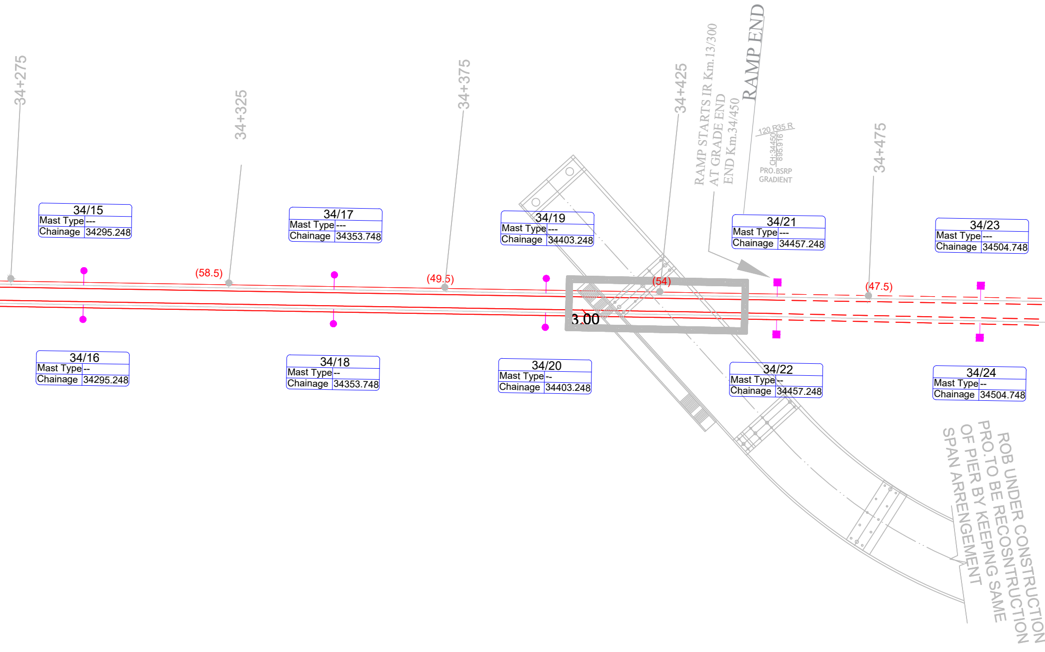

33+325
33+375
33+425
33+475
33+525
95 F
400 R
CH:33500
890.784
PRO.BSRP
GRADIENT
33/11
Mast Type ---
Chainage 33328.848
33/13
Mast Type ---
Chainage 33382.848
33/15
Mast Type ---
Chainage 33436.848
33/17
Mast Type ---
Chainage 33486.348
33/19
Mast Type ---
Chainage 33531.348
ACA
(54)
(54)
(49.5)
(45)
(36)
ACA
33/12
Mast Type --
Chainage 33328.848
33/14
Mast Type --
Chainage 33382.848
33/16
Mast Type --
Chainage 33436.848
33/18
Mast Type --
Chainage 33486.348
33/20
Mast Type --
Chainage 33531.348
EXG. BR. No.526 @ CH:12320 OF SPAN 1x1.20m RCC PIPE PRO.TO BE EXTENDED AS 1.50X1.50 RCC BOX
EXG. BR. No.525 @ CH:12385 OF SPAN 1x1.20m RCC BOX PRO.TO BE EXTENDED AS 1.50X1.50 RCC BOX

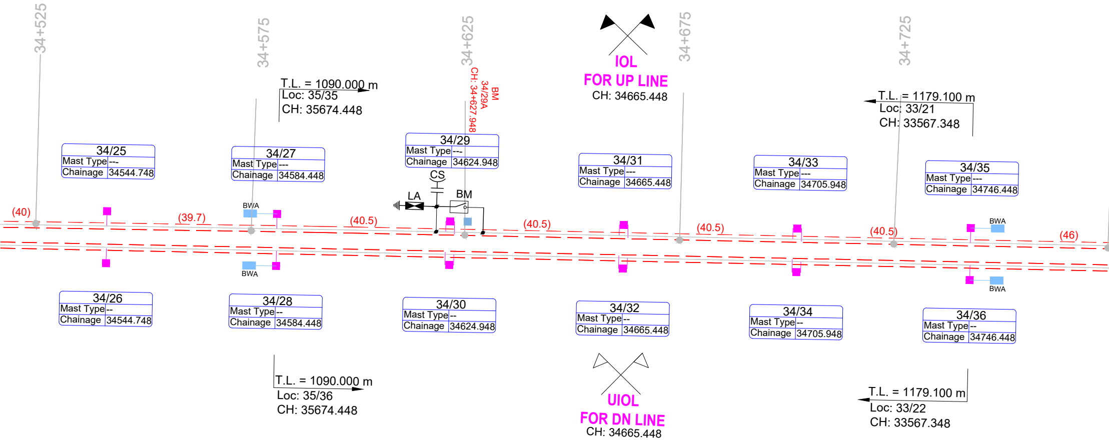

T.L. = 1179.100 m
Loc: 34/35
CH: 34746.448
33+575
UIOL
FOR UP LINE
CH: 33639.348
33+625
33+675
T.L. = 891.000 m
Loc: 32/37
CH: 32820.348
33+725
T.L. = 1756.300 m
Loc: 32/01
CH: 32004.548
T.L. = 1722.600
Loc: 35/25
CH: 35483.448
33/21
Mast Type ---
Chainage 33567.348
33/23
Mast Type ---
Chainage 33603.348
33/25
Mast Type ---
Chainage 33639.348
33/27
Mast Type ---
Chainage 33675.348
33/29
Mast Type ---
Chainage 33711.348
33/31
Mast Type ---
Chainage 33733.848
33/33
Mast Type ---
Chainage 33760.848
BWA
(36)
90
(36)
(36)
(36)
BWA
(22.5)
80
210
(27)
RCA/OPCA
(36)
(40
BWA
LA
BM
CS
BWA
RCA/OPCA
33/22
Mast Type --
Chainage 33567.348
33/24
Mast Type --
Chainage 33603.348
33/26
Mast Type --
Chainage 33639.348
33/28
Mast Type --
Chainage 33675.348
33/30
Mast Type --
Chainage 33711.348
33/32
Mast Type --
Chainage 33733.848
33/34
Mast Type --
Chainage 33760.848
BM
33/28A
CH: 33+670.848
T.L. = 1179.100 m
Loc: 34/36
CH: 34746.448
IOL
FOR DN LINE
CH: 33639.348
SS
JAKKUR
CH: 33+639.348 KM
T.L. = 891.000 m
Loc: 32/38
CH: 32820.348
T.L. = 1756.300 m
Loc: 32/02
CH: 32004.548
T.L. = 1722.600 r
Loc: 35/26
CH: 35483.448
400 R
1200 R
CH:33775
891.471
PRO.BSRP
GRADIENT
EXG. BR. No.524 @
CH:12512 OF SPAN 1x1.20m
RCC PIPE PRO.TO BE
EXTENDED AS 1.50X1.50
RCC BOX
EXG. BR. No.523 @ CH:12559
OF SPAN 1x1.83m RCC SLAB
PRO.TO BE EXTENDED AS
1.83X2.4 RCC BOX
EXG. BR. No.522 @
CH:12603OF SPAN 1x1.2m
RCC BOX
PRO.TO BE EXTENDED AS
1.50X1.50 RCC BOX


CL OF
PRO. JAKKUR
ATGRADE (SUB-URBAN)
STATION (Km. 33.890)
33+775
33+825
33+875
33+925
33+975
EXG. BR. No.521 @ CH:12862
OF SPAN 1x1.2m RCC BOX
PRO.TO BE EXTENDED AS
1.50X1.50 RCC BOX
KM 34
33/35 Mast Type --- Chainage 33796.848
33/37 Mast Type --- Chainage 33828.348
33/39 Mast Type --- Chainage 33864.348
33/41 Mast Type --- Chainage 33900.348
33/43 Mast Type --- Chainage 33936.348
33/45 Mast Type --- Chainage 33981.348
33/36 Mast Type -- Chainage 33801.348
33/38 Mast Type -- Chainage 33832.848
33/40 Mast Type -- Chainage 33868.848
33/42 Mast Type -- Chainage 33904.848
33/44 Mast Type -- Chainage 33940.848
33/46 Mast Type -- Chainage 33985.848
PROPOSED SUBURBAN PLATFORM -205m x 6.20m (9 CARS)
PROPOSED SUBURBAN PLATFORM -205m x 6.20m (9 CARS)
(31.6)
(36)
(36)
(36)
(45)
(39.4)
(31.5)
(36)
(36)
(36)
(45)
(35)
.5)
m
m
CL OF EXG. L.C.No. 10 SPL, ENGINEERING,

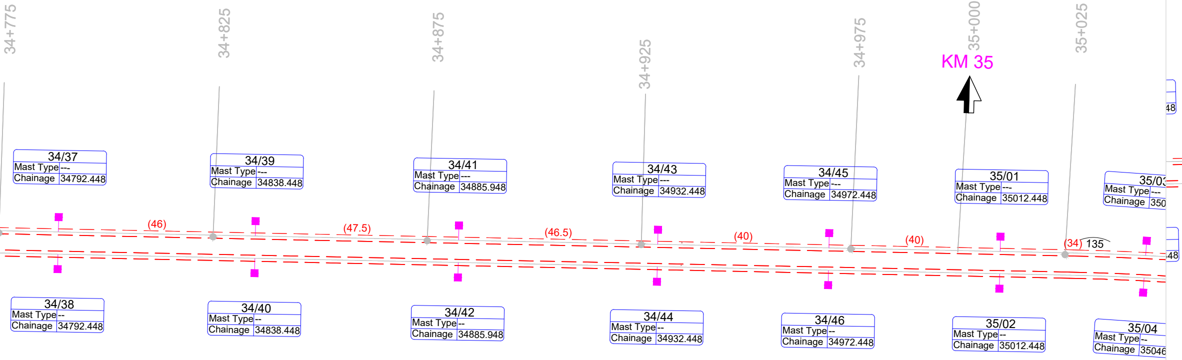
NOTE- TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.

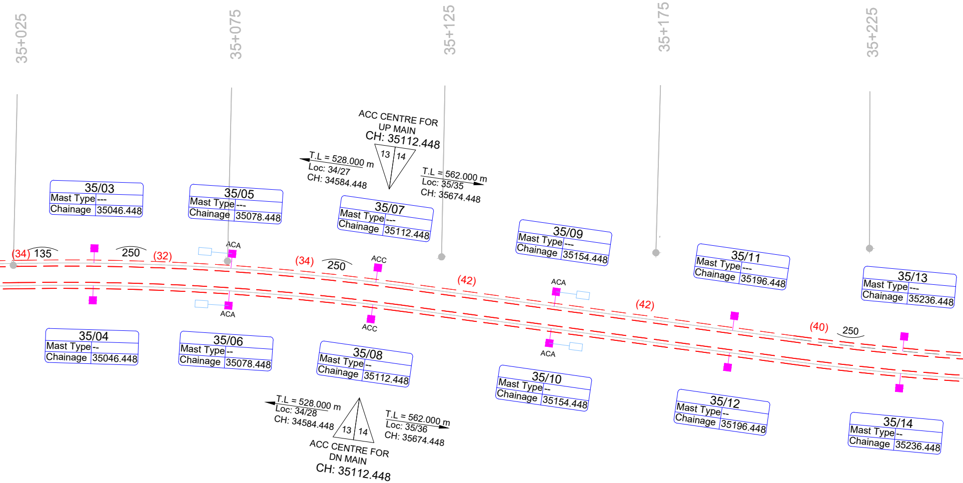

34+025
1200 R90 R
Ch: 34025
891.68
PRO.BSRP GRADIENT
34+075
34+125
34+175
34+225
90 R120 R
CH:34275
894.457
PRO.BSRP GRADIENT
ACC CENTRE FOR UP MAIN
CH: 34151.248
17
13
T.L = 583.900 m
Loc: 33/21
CH: 33567.348
T.L = 595.200 m
Loc: 34/35
CH: 34746.448
34/01
Mast Type ---
Chainage 34020.748
34/03
Mast Type ---
Chainage 34047.748
34/05
Mast Type ---
Chainage 34079.248
34/07
Mast Type ---
Chainage 34115.248
34/09
Mast Type ---
Chainage 34151.248
34/11
Mast Type ---
Chainage 34191.748
34/13
Mast Type ---
Chainage 34241.248
(27)
180
(31.5)
50
(36)
ACA
(36)
190
ACC
(40.5)
ACA
(49.5)
(54)
ACA
ACC
ACA
34/02
Mast Type --
Chainage 34020.848
34/04
Mast Type --
Chainage 34047.748
34/06
Mast Type --
Chainage 34079.248
34/08
Mast Type --
Chainage 34115.248
34/10
Mast Type --
Chainage 34151.248
34/12
Mast Type --
Chainage 34191.748
34/14
Mast Type --
Chainage 34241.248
T.L = 583.900 m
Loc: 33/22
CH: 33567.348
17
13
T.L = 595.200 m
Loc: 34/36
CH: 34746.448
ACC CENTRE FOR DN MAIN
CH: 34151.248
INTERLOCKED, TVU=74703 (MANNED)
DATED MAY-2018, @ CH:12/800-900
PRO.ROB 1x 76M BOW STRING GIRDER IN
LIEU OF LC NO:10 (SUB URBAN ACCOUNT)

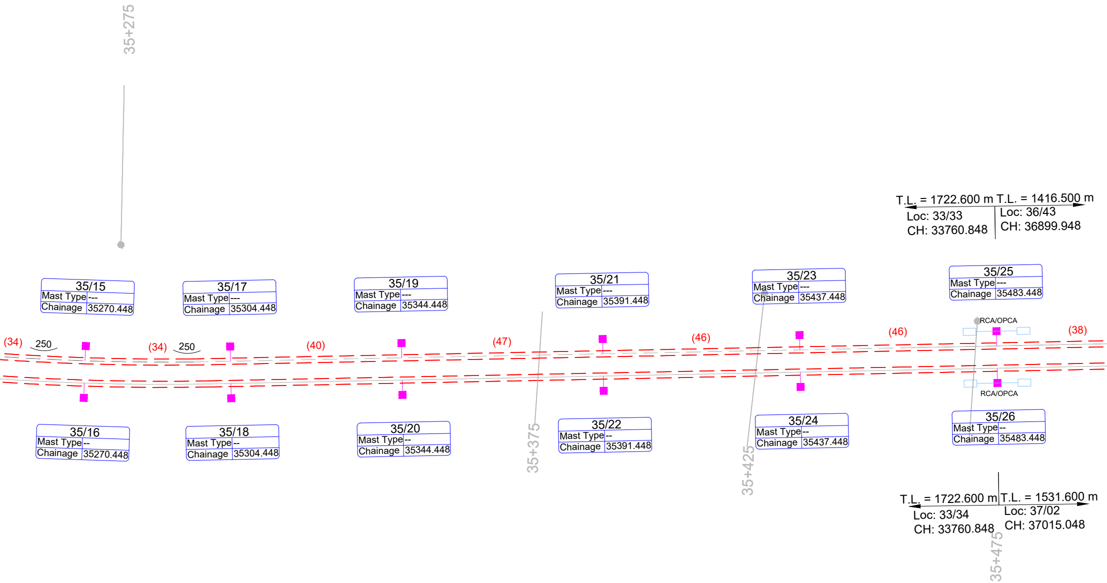

34+275
34+325
34+375
34+425
34+475
RAMP STARTS IR Km.13/300
AT GRADE END
END Km.34/450
RAMP END
120 R35 R
CH:34450
895.916
PRO.BSRP
GRADIENT
34/15
Mast Type ---
Chainage 34295.248
34/17
Mast Type ---
Chainage 34353.748
34/19
Mast Type ---
Chainage 34403.248
34/21
Mast Type ---
Chainage 34457.248
34/23
Mast Type ---
Chainage 34504.748
(58.5)
(49.5)
(54)
(47.5)
3.00
34/16
Mast Type --
Chainage 34295.248
34/18
Mast Type --
Chainage 34353.748
34/20
Mast Type --
Chainage 34403.248
34/22
Mast Type --
Chainage 34457.248
34/24
Mast Type --
Chainage 34504.748
ROB UNDER CONSTRUCTION
PRO.TO BE RECONSTRUCTION
OF PIER BY KEEPING SAME
SPAN ARRENGEMENT

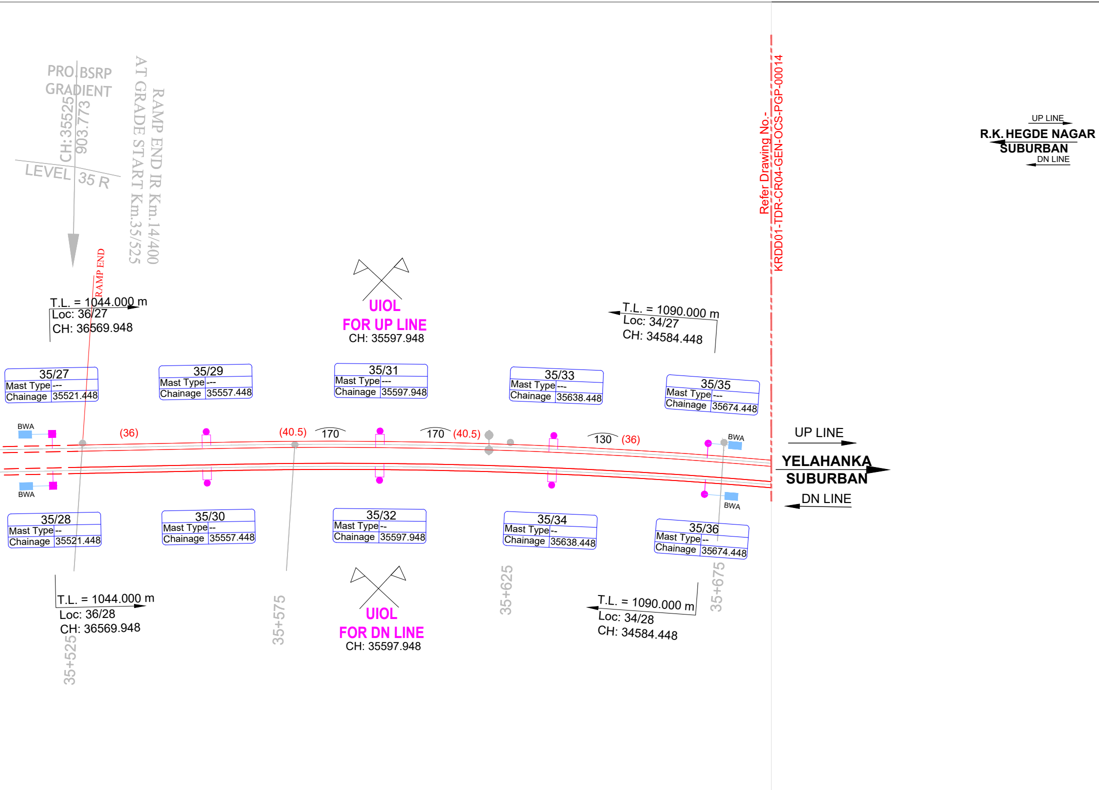


34+525
34+575
34+625
34+675
34+725
BM
34/29A
CH: 34+627.948
IOL
FOR UP LINE
CH: 34665.448
T.L. = 1090.000 m
Loc: 35/35
CH: 35674.448
T.L. = 1179.100 m
Loc: 33/21
CH: 33567.348
34/25
Mast Type ---
Chainage 34544.748
34/27
Mast Type ---
Chainage 34584.448
34/29
Mast Type ---
Chainage 34624.948
34/31
Mast Type ---
Chainage 34665.448
34/33
Mast Type ---
Chainage 34705.948
34/35
Mast Type ---
Chainage 34746.448
CS
LA
BM
BWA
(40)
(39.7)
(40.5)
(40.5)
(40.5)
(40.5)
(46)
BWA
BWA
BWA
34/26
Mast Type --
Chainage 34544.748
34/28
Mast Type --
Chainage 34584.448
34/30
Mast Type --
Chainage 34624.948
34/32
Mast Type --
Chainage 34665.448
34/34
Mast Type --
Chainage 34705.948
34/36
Mast Type --
Chainage 34746.448
T.L. = 1090.000 m
Loc: 35/36
CH: 35674.448
UIOL
FOR DN LINE
CH: 34665.448
T.L. = 1179.100 m
Loc: 33/22
CH: 33567.348

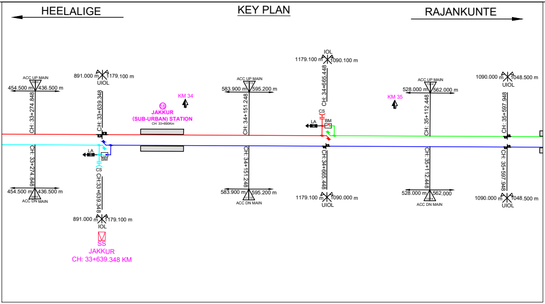

34+775
34+825
34+875
34+925
34+975
35+000
35+025
KM 35
34/37
Mast Type ---
Chainage 34792.448
34/39
Mast Type ---
Chainage 34838.448
34/41
Mast Type ---
Chainage 34885.948
34/43
Mast Type ---
Chainage 34932.448
34/45
Mast Type ---
Chainage 34972.448
35/01
Mast Type ---
Chainage 35012.448
35/0
Mast Type ---
Chainage 350
48
(46)
(47.5)
(46.5)
(40)
(40)
(34) 135
48
34/38
Mast Type --
Chainage 34792.448
34/40
Mast Type --
Chainage 34838.448
34/42
Mast Type --
Chainage 34885.948
34/44
Mast Type --
Chainage 34932.448
34/46
Mast Type --
Chainage 34972.448
35/02
Mast Type --
Chainage 35012.448
35/04
Mast Type --
Chainage 35046


35+025
35+075
35+125
35+175
35+225
ACC CENTRE FOR
UP MAIN
CH: 35112.448
13
14
T.L = 528.000 m
Loc: 34/27
CH: 34584.448
T.L = 562.000 m
Loc: 35/35
CH: 35674.448
35/03
Mast Type ---
Chainage 35046.448
35/05
Mast Type ---
Chainage 35078.448
35/07
Mast Type ---
Chainage 35112.448
35/09
Mast Type ---
Chainage 35154.448
35/11
Mast Type ---
Chainage 35196.448
35/13
Mast Type ---
Chainage 35236.448
(34)
135
250
(32)
ACA
(34)
250
ACC
(42)
ACA
(42)
(40)
250
ACA
ACC
ACA
35/04
Mast Type --
Chainage 35046.448
35/06
Mast Type --
Chainage 35078.448
35/08
Mast Type --
Chainage 35112.448
35/10
Mast Type --
Chainage 35154.448
35/12
Mast Type --
Chainage 35196.448
35/14
Mast Type --
Chainage 35236.448
T.L = 528.000 m
Loc: 34/28
CH: 34584.448
13
14
T.L = 562.000 m
Loc: 35/36
CH: 35674.448
ACC CENTRE FOR
DN MAIN
CH: 35112.448


35+275
T.L. = 1722.600 m
T.L. = 1416.500 m
Loc: 33/33
CH: 33760.848
Loc: 36/43
CH: 36899.948
35/15
Mast Type ---
Chainage 35270.448
35/17
Mast Type ---
Chainage 35304.448
35/19
Mast Type ---
Chainage 35344.448
35/21
Mast Type ---
Chainage 35391.448
35/23
Mast Type ---
Chainage 35437.448
35/25
Mast Type ---
Chainage 35483.448
RCA/OPCA
(34)
250
(34)
250
(40)
(47)
(46)
(46)
(38)
RCA/OPCA
35/16
Mast Type --
Chainage 35270.448
35/18
Mast Type --
Chainage 35304.448
35/20
Mast Type --
Chainage 35344.448
35+375
35/22
Mast Type --
Chainage 35391.448
35/24
Mast Type --
Chainage 35437.448
35+425
35/26
Mast Type --
Chainage 35483.448
T.L. = 1722.600 m
T.L. = 1531.600 m
Loc: 33/34
CH: 33760.848
Loc: 37/02
CH: 37015.048
35+475


PRO.BSRP
GRADIENT
CH:35525
903.773
LEVEL
35 R
RAMP END IR Km.14/400
AT GRADE START Km.35/525
RAMP END
T.L. = 1044.000 m
Loc: 36/27
CH: 36569.948
UIOL
FOR UP LINE
CH: 35597.948
T.L. = 1090.000 m
Loc: 34/27
CH: 34584.448
Refer Drawing No.-
KRDD01-TDR-CR04-GEN-OCS-PGP-00014
UP LINE
R.K. HEGDE NAGAR
SUBURBAN
DN LINE
35/27
Mast Type ---
Chainage 35521.448
35/29
Mast Type ---
Chainage 35557.448
35/31
Mast Type ---
Chainage 35597.948
35/33
Mast Type ---
Chainage 35638.448
35/35
Mast Type ---
Chainage 35674.448
BWA
(36)
(40.5)
170
170
(40.5)
130
(36)
BWA
UP LINE
YELAHANKA
SUBURBAN
DN LINE
BWA
BWA
35/28
Mast Type --
Chainage 35521.448
35/30
Mast Type --
Chainage 35557.448
35/32
Mast Type --
Chainage 35597.948
35/34
Mast Type --
Chainage 35638.448
35/36
Mast Type --
Chainage 35674.448
T.L. = 1044.000 m
Loc: 36/28
CH: 36569.948
35+525
35+575
UIOL
FOR DN LINE
CH: 35597.948
35+625
T.L. = 1090.000 m
Loc: 34/28
CH: 34584.448
35+675

KEY PLAN


HEELALIGE
RAJANKUNTE
ACC UP MAIN
454.500 m
436.500 m
CH: 33+274.848
454.500 m
436.500 m
ACC DN MAIN
891.000 m
1179.100 m
UIOL
CH: 33+639.348
LA
BM
CS
CH:33+639.348
891.000 m
1179.100 m
IOL
SS
JAKKUR
CH: 33+639.348 KM
KM 34
18
JAKKUR
(SUB-URBAN) STATION
CH: 33+890Km
ACC UP MAIN
583.900 m
595.200 m
CH: 34+151.248
583.900 m
595.200 m
ACC DN MAIN
IOL
1179.100 m
1090.100 m
CH: 34+665.448
CS
LA
BM
CH:34+665.448
1179.100 m
1090.000 m
UIOL
KM 35
ACC UP MAIN
528.000 m
562.000 m
CH: 35+112.448
528.000 m
562.000
ACC DN MAIN
1090.000 m
1048.500 m
UIOL
CH: 35+597.948
1090.000 m
1048.500 m
UIOL

UP LINE →

YELAHANKA SUBURBAN →

← DN LINE

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

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
R0	04-09-2024	First Submission	IA / SB	CK/NP

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	0000
39	Spare	■
40	Overhead Protection Conductor Anchor	OPCA ▭──
41	Return Conductor Anchor	RCA ▭──
42	Tramway OHE	─o─o─o─o─o─
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	Ⓖ
51	Potential Equalising Jumper	Ⓟ (PE)
52	In-Span Jumper	Ⓗ
53	RC and OPC Support	▲
54	Track at UP/DN line (Corridor 2)	────
55	Track on Viaduct	— — — —

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. 22-06-2024.
4. OHE CHAINAGES OF THE PEGGING PLAN HAS BEEN TAKEN WITH REFERENCE TO THE OHE SPAN FROM THE PREVIOUS LOCATION.
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 STRICTURE (HT. LINE X-ING ETC.) TO BE CONFIRMED OR SPECIAL CARE TO BE TAKEN BEFORE ERECTION FOR THAT PARTICULAR AREA WHEREVER REQUIRED.
8. OHE LOCATIONS AT ELEVATED SECTION WILL BE RE-EVALUATED AFTER THE FINALIZATION OF PIER SPAN ARRANGEMENT.
9. CROSS-SECTION OF ROB BETWEEN OHE LOC NO. 34/19 - 34/21 IS REQUIRED FOR FINALIZING OHE ARRANGEMENT.

FOR TENDER PURPOSE ONLY

K RIDE

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

RK/SK
Approved

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

egis AECOM wsp
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

SYSTRA
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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-4 (Heelalige - Rajankunte)

Drawing Title:
OHE Pegging Plan for Main Line
CH: 33+004.848Km to CH: 35+675.000Km

Project Stage:
Tender Drawing

Paper Size: 297X5000
Discipline: Power Supply & Traction System
Date: 04/09/2024
Scale: NTS
Drawing no.: KRDD01-TDR-CR04-GEN-OCS-PGP-00013
Revision: R0