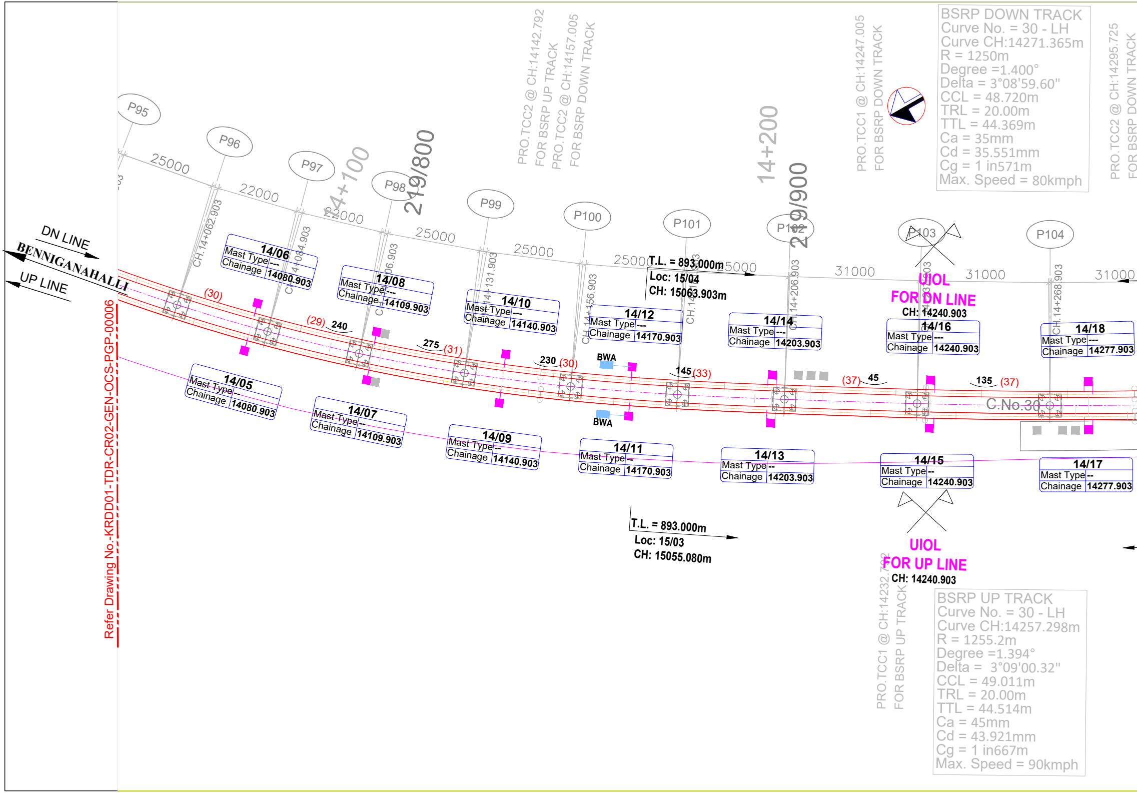
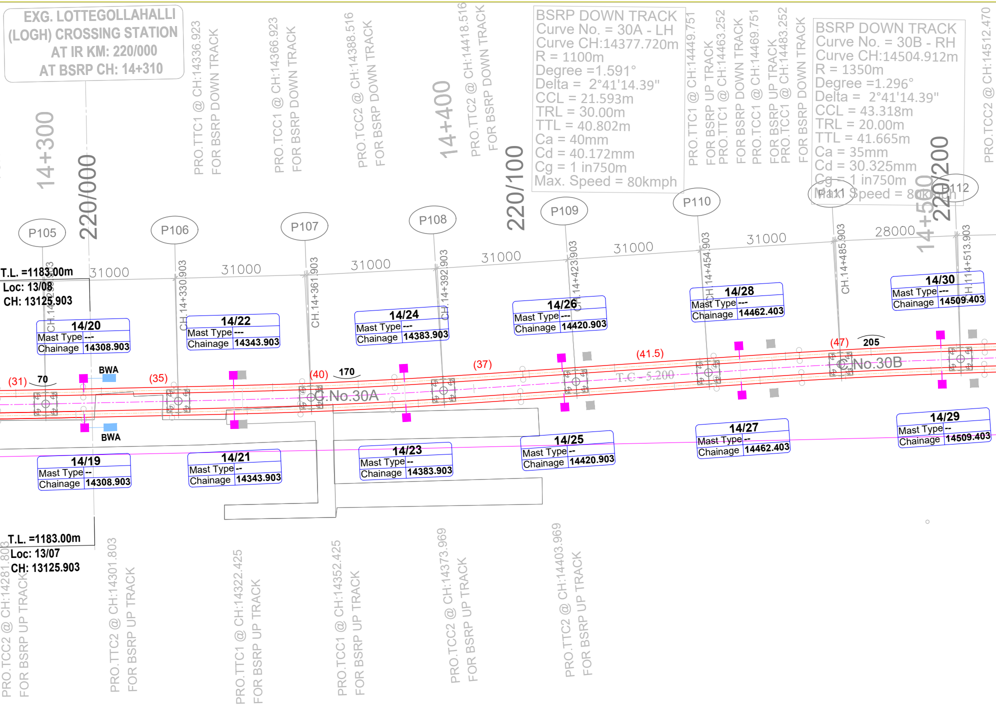
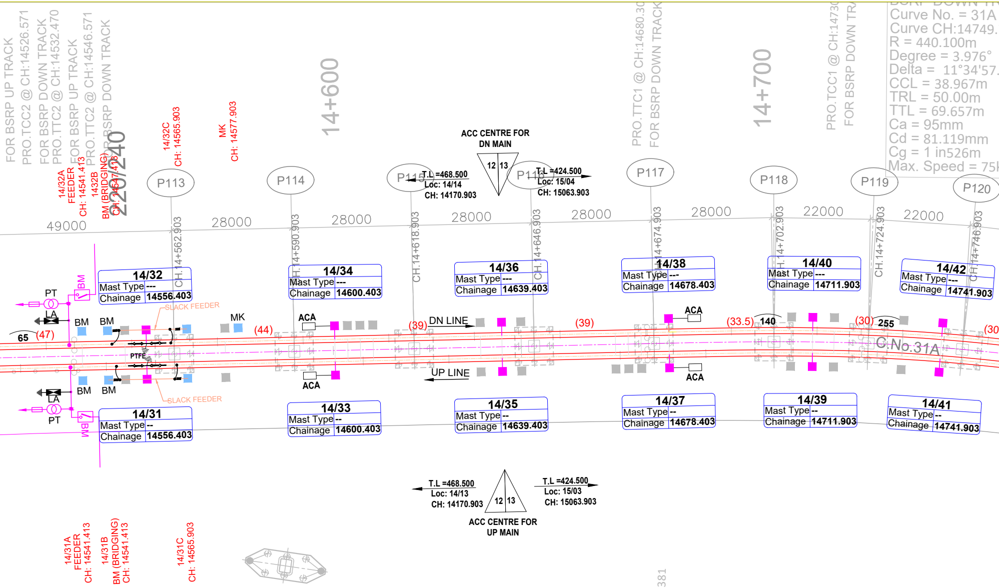
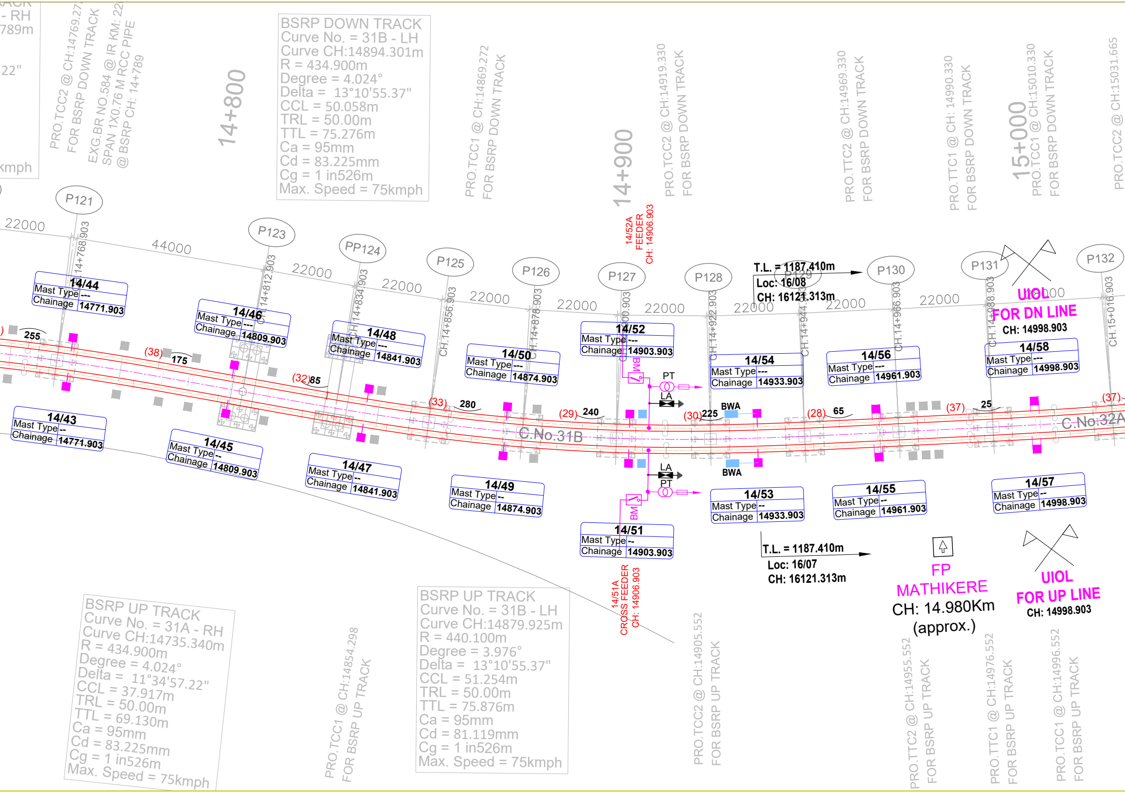

Refer Drawing No.-KRDD01-TDR-CR02-GEN-OCS-PGP-00006
DN LINE
BENNIGANAHALLI
UP LINE
P95
P96
P97
P98
P99
P100
P101
P102
P103
P104
25000
22000
22000
25000
25000
25000
25000
31000
31000
31000
14+100
219/800
14+200
219/900
PRO.TCC2 @ CH:14142.792
FOR BSRP UP TRACK
PRO.TCC2 @ CH:14157.005
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:14247.005
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:14295.725
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:14232.792
FOR BSRP UP TRACK
BSRP DOWN TRACK
Curve No. = 30 - LH
Curve CH:14271.365m
R = 1250m
Degree =1.400°
Delta = 3°08'59.60"
CCL = 48.720m
TRL = 20.00m
TTL = 44.369m
Ca = 35mm
Cd = 35.551mm
Cg = 1 in571m
Max. Speed = 80kmph
BSRP UP TRACK
Curve No. = 30 - LH
Curve CH:14257.298m
R = 1255.2m
Degree =1.394°
Delta = 3°09'00.32"
CCL = 49.011m
TRL = 20.00m
TTL = 44.514m
Ca = 45mm
Cd = 43.921mm
Cg = 1 in667m
Max. Speed = 90kmph
CH.14+062.903
CH.14+084.903
CH.14+106.903
CH.14+131.903
CH.14+156.903
CH.14+181.903
CH.14+206.903
CH.14+233.903
CH.14+268.903
14/06
Mast Type ---
Chainage 14080.903
14/08
Mast Type ---
Chainage 14109.903
14/10
Mast Type ---
Chainage 14140.903
14/12
Mast Type ---
Chainage 14170.903
14/14
Mast Type ---
Chainage 14203.903
14/16
Mast Type ---
Chainage 14240.903
14/18
Mast Type ---
Chainage 14277.903
14/05
Mast Type --
Chainage 14080.903
14/07
Mast Type --
Chainage 14109.903
14/09
Mast Type --
Chainage 14140.903
14/11
Mast Type --
Chainage 14170.903
14/13
Mast Type --
Chainage 14203.903
14/15
Mast Type --
Chainage 14240.903
14/17
Mast Type --
Chainage 14277.903
T.L. = 893.000m
Loc: 15/04
CH: 15063.903m
T.L. = 893.000m
Loc: 15/03
CH: 15055.080m
UIOL
FOR DN LINE
CH: 14240.903
UIOL
FOR UP LINE
CH: 14240.903
(30)
(29) 240
275 (31)
230 (30)
145 (33)
(37) 45
135 (37)
BWA
BWA
C.No.30

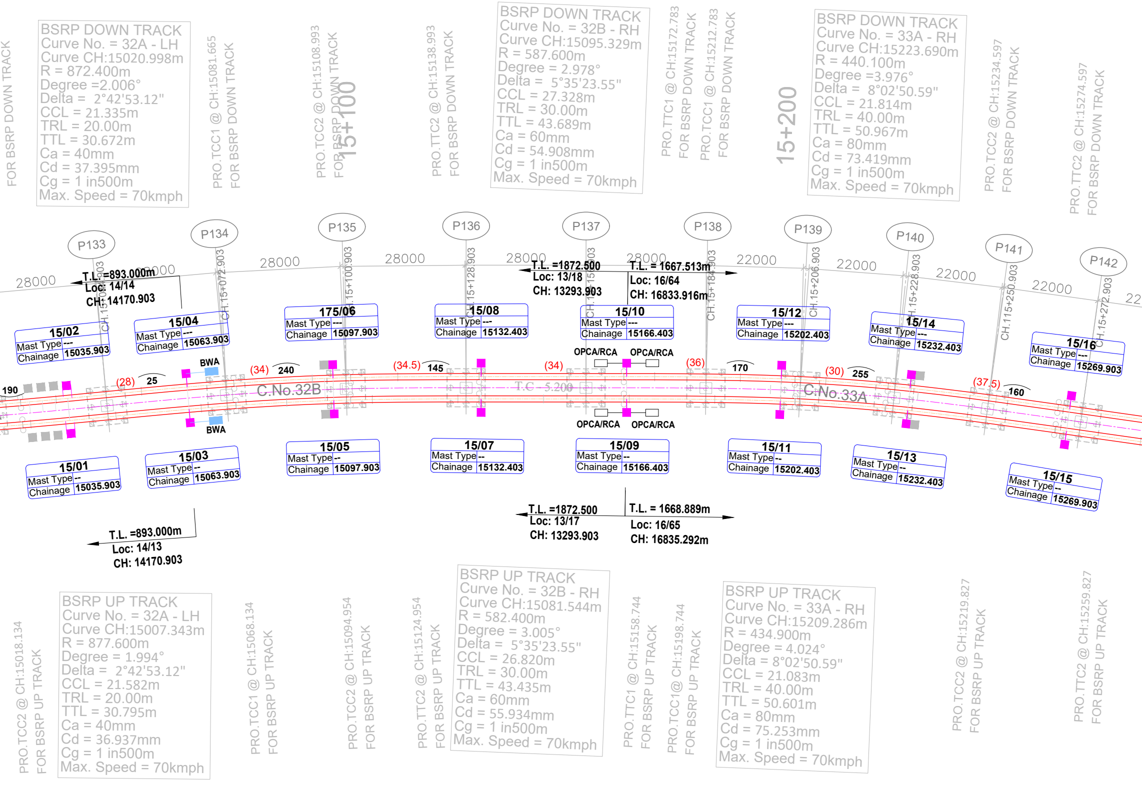

EXG. LOTTEGOLLAHALLI
(LOGH) CROSSING STATION
AT IR KM: 220/000
AT BSRP CH: 14+310
14+300
220/000
PRO.TTC1 @ CH:14336.923
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:14366.923
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:14388.516
FOR BSRP DOWN TRACK
14+400
PRO.TTC2 @ CH:14418.516
FOR BSRP DOWN TRACK
220/100
BSRP DOWN TRACK
Curve No. = 30A - LH
Curve CH:14377.720m
R = 1100m
Degree =1.591°
Delta = 2°41'14.39"
CCL = 21.593m
TRL = 30.00m
TTL = 40.802m
Ca = 40mm
Cd = 40.172mm
Cg = 1 in750m
Max. Speed = 80kmph
PRO.TTC1 @ CH:14449.751
FOR BSRP UP TRACK
PRO.TTC1 @ CH:14463.252
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:14469.751
FOR BSRP UP TRACK
PRO.TCC1 @ CH:14483.252
FOR BSRP DOWN TRACK
BSRP DOWN TRACK
Curve No. = 30B - RH
Curve CH:14504.912m
R = 1350m
Degree =1.296°
Delta = 2°41'14.39"
CCL = 43.318m
TRL = 20.00m
TTL = 41.665m
Ca = 35mm
Cd = 30.325mm
Cg = 1 in750m
Max. Speed = 80kmph
14+500
220/200
PRO.TCC2 @ CH:14512.470
P105
P106
P107
P108
P109
P110
P111
P112
31000
31000
31000
31000
31000
31000
31000
28000
T.L. =1183.00m
Loc: 13/08
CH: 13125.903
CH.14+330.903
CH.14+361.903
CH.14+392.903
CH.14+423.903
CH.14+454.903
CH.14+485.903
CH.14+513.903
14/20
Mast Type ---
Chainage 14308.903
14/22
Mast Type ---
Chainage 14343.903
14/24
Mast Type ---
Chainage 14383.903
14/26
Mast Type ---
Chainage 14420.903
14/28
Mast Type ---
Chainage 14462.403
14/30
Mast Type ---
Chainage 14509.403
(31)
70
BWA
(35)
(40)
170
(37)
(41.5)
(47)
205
C.No.30A
T.C - 5.200
C.No.30B
BWA
14/19
Mast Type --
Chainage 14308.903
14/21
Mast Type --
Chainage 14343.903
14/23
Mast Type --
Chainage 14383.903
14/25
Mast Type --
Chainage 14420.903
14/27
Mast Type --
Chainage 14462.403
14/29
Mast Type --
Chainage 14509.403
T.L. =1183.00m
Loc: 13/07
CH: 13125.903
PRO.TCC2 @ CH:14281.803
FOR BSRP UP TRACK
PRO.TTC2 @ CH:14301.803
FOR BSRP UP TRACK
PRO.TTC1 @ CH:14322.425
FOR BSRP UP TRACK
PRO.TCC1 @ CH:14352.425
FOR BSRP UP TRACK
PRO.TCC2 @ CH:14373.969
FOR BSRP UP TRACK
PRO.TTC2 @ CH:14403.969
FOR BSRP UP TRACK


FOR BSRP UP TRACK
PRO.TCC2 @ CH:14526.571
FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:14532.470
FOR BSRP UP TRACK
PRO.TTC2 @ CH:14546.571
FOR BSRP DOWN TRACK
220/240
14/32A
FEEDER
CH: 14541.413
1432B
BM (BRIDGING)
CH: 14541.413
14/32C
CH: 14565.903
MK
CH: 14577.903
14+600
ACC CENTRE FOR
DN MAIN
12 13
T.L =468.500
Loc: 14/14
CH: 14170.903
T.L =424.500
Loc: 15/04
CH: 15063.903
PRO.TTC1 @ CH:14680.30
FOR BSRP DOWN TRACK
14+700
PRO.TCC1 @ CH:14730
FOR BSRP DOWN TRA
Curve No. = 31A
Curve CH:14749.
R = 440.100m
Degree = 3.976°
Delta = 11°34'57.
CCL = 38.967m
TRL = 50.00m
TTL = 69.657m
Ca = 95mm
Cd = 81.119mm
Cg = 1 in526m
Max. Speed = 75k
P113
P114
P115
P116
P117
P118
P119
P120
49000
28000
28000
28000
28000
28000
22000
22000
CH.14+562.903
CH.14+590.903
CH.14+618.903
CH.14+646.903
CH.14+674.903
CH.14+702.903
CH.14+724.903
CH.14+746.903
14/32
Mast Type ---
Chainage 14556.403
14/34
Mast Type ---
Chainage 14600.403
14/36
Mast Type ---
Chainage 14639.403
14/38
Mast Type ---
Chainage 14678.403
14/40
Mast Type ---
Chainage 14711.903
14/42
Mast Type ---
Chainage 14741.903
PT
BM
LA
BM
BM
SLACK FEEDER
MK
ACA
(44)
(39)
DN LINE
(39)
ACA
(33.5)
140
(30)
255
(30)
65
(47)
PTFE
C.No.31A
UP LINE
ACA
ACA
BM
BM
LA
SLACK FEEDER
PT
BM
14/31
Mast Type --
Chainage 14556.403
14/33
Mast Type --
Chainage 14600.403
14/35
Mast Type --
Chainage 14639.403
14/37
Mast Type --
Chainage 14678.403
14/39
Mast Type --
Chainage 14711.903
14/41
Mast Type --
Chainage 14741.903
T.L =468.500
Loc: 14/13
CH: 14170.903
12 13
T.L =424.500
Loc: 15/03
CH: 15063.903
ACC CENTRE FOR
UP MAIN
14/31A
FEEDER
CH: 14541.413
14/31B
BM (BRIDGING)
CH: 14541.413
14/31C
CH: 14565.903
PRO.TTC1 @ CH:14666.381
FOR BSRP UP TRACK
PRO.TCC1 @ CH:14716.381
FOR BSRP UP TRACK
PRO.TCC2 @ CH:14754.298
FOR BSRP UP TRACK

BSRP UP TRACK
Curve No. = 30A - LH
Curve CH:14362.582m
R = 1105.2m
Degree =1.583°
Delta = 2°40'19.77"
CCL = 21.544m
TRL = 30.00m
TTL = 40.778m
Ca = 40mm
Cd = 39.795mm
Cg = 1 in750m
Max. Speed = 80kmph

BSRP UP TRACK
Curve No. = 30B - RH
Curve CH:14491.111m
R = 1344.8m
Degree =1.301°
Delta = 2°40'19.77"
CCL = 42.718m
TRL = 20.000m
TTL = 41.365m
Ca = 35mm
Cd = 30.578mm
Cg = 1 in571m
Max. Speed = 80kmph


- RH
789m
22"
kmph
PRO.TCC2 @ CH:14769.27
FOR BSRP DOWN TRACK
EXG.BR NO.584 @ IR KM: 22
SPAN 1X0.76 M RCC PIPE
@ BSRP CH: 14+789
BSRP DOWN TRACK
Curve No. = 31B - LH
Curve CH:14894.301m
R = 434.900m
Degree = 4.024°
Delta = 13°10'55.37"
CCL = 50.058m
TRL = 50.00m
TTL = 75.276m
Ca = 95mm
Cd = 83.225mm
Cg = 1 in526m
Max. Speed = 75kmph
14+800
PRO.TCC1 @ CH:14869.272
FOR BSRP DOWN TRACK
14+900
14/52A
FEEDER
CH: 14906.903
PRO.TCC2 @ CH:14919.330
FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:14969.330
FOR BSRP DOWN TRACK
PRO.TTC1 @ CH: 14990.330
FOR BSRP DOWN TRACK
15+000
PRO.TCC1 @ CH:15010.330
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:15031.665
P121
P123
PP124
P125
P126
P127
P128
P129
P130
P131
P132
22000
44000
22000
22000
22000
22000
22000
22000
22000
22000
22000
CH.14+768.903
CH.14+812.903
CH.14+834.903
CH.14+856.903
CH.14+878.903
CH.14+900.903
CH.14+922.903
CH.14+944.903
CH.14+966.903
CH.14+988.903
CH.15+016.903
T.L. = 1187.410m
Loc: 16/08
CH: 16121.313m
UIOL
FOR DN LINE
CH: 14998.903
14/44 Mast Type --- Chainage 14771.903
14/46 Mast Type --- Chainage 14809.903
14/48 Mast Type --- Chainage 14841.903
14/50 Mast Type --- Chainage 14874.903
14/52 Mast Type --- Chainage 14903.903
14/54 Mast Type --- Chainage 14933.903
14/56 Mast Type --- Chainage 14961.903
14/58 Mast Type --- Chainage 14998.903
255
(38) 175
(32) 85
(33) 280
(29) 240
(30) 225
(28) 65
(37) 25
(37)
BM
PT
LA
BWA
C.No.31B
C.No.32A
14/43 Mast Type -- Chainage 14771.903
14/45 Mast Type -- Chainage 14809.903
14/47 Mast Type -- Chainage 14841.903
14/49 Mast Type -- Chainage 14874.903
14/51 Mast Type -- Chainage 14903.903
14/53 Mast Type -- Chainage 14933.903
14/55 Mast Type -- Chainage 14961.903
14/57 Mast Type -- Chainage 14998.903
LA
PT
BM
BWA
T.L. = 1187.410m
Loc: 16/07
CH: 16121.313m
14/51A
CROSS FEEDER
CH: 14906.903
FP
MATHIKERE
CH: 14.980Km
(approx.)
UIOL
FOR UP LINE
CH: 14998.903
BSRP UP TRACK
Curve No. = 31A - RH
Curve CH:14735.340m
R = 434.900m
Degree = 4.024°
Delta = 11°34'57.22"
CCL = 37.917m
TRL = 50.00m
TTL = 69.130m
Ca = 95mm
Cd = 83.225mm
Cg = 1 in526m
Max. Speed = 75kmph
PRO.TCC1 @ CH:14854.298
FOR BSRP UP TRACK
BSRP UP TRACK
Curve No. = 31B - LH
Curve CH:14879.925m
R = 440.100m
Degree = 3.976°
Delta = 13°10'55.37"
CCL = 51.254m
TRL = 50.00m
TTL = 75.876m
Ca = 95mm
Cd = 81.119mm
Cg = 1 in526m
Max. Speed = 75kmph
PRO.TCC2 @ CH:14905.552
FOR BSRP UP TRACK
PRO.TTC2 @ CH:14955.552
FOR BSRP UP TRACK
PRO.TTC1 @ CH:14976.552
FOR BSRP UP TRACK
PRO.TCC1 @ CH:14996.552
FOR BSRP UP TRACK


FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:15081.665
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:15108.993
FOR BSRP DOWN TRACK
15+100
PRO.TTC2 @ CH:15138.993
FOR BSRP DOWN TRACK
PRO.TTC1 @ CH:15172.783
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:15212.783
FOR BSRP DOWN TRACK
15+200
PRO.TCC2 @ CH:15234.597
FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:15274.597
FOR BSRP DOWN TRACK
P133
P134
P135
P136
P137
P138
P139
P140
P141
P142
28000
28000
28000
28000
28000
28000
22000
22000
22000
22000
22
CH.15+072.903
CH.15+100.903
CH.15+128.903
CH.15+184.903
CH.15+206.903
CH.15+228.903
CH.115+250.903
CH.15+272.903
T.L. =893.000m
Loc: 14/14
CH: 14170.903
T.L. =1872.500
Loc: 13/18
CH: 13293.903
T.L. = 1667.513m
Loc: 16/64
CH: 16833.916m
15/02 Mast Type --- Chainage 15035.903
15/04 Mast Type --- Chainage 15063.903
175/06 Mast Type --- Chainage 15097.903
15/08 Mast Type --- Chainage 15132.403
15/10 Mast Type --- Chainage 15166.403
15/12 Mast Type --- Chainage 15202.403
15/14 Mast Type --- Chainage 15232.403
15/16 Mast Type --- Chainage 15269.903
190
(28)
25
BWA
BWA
(34)
240
C.No.32B
(34.5)
145
(34)
T.C - 5.200
OPCA/RCA
OPCA/RCA
OPCA/RCA
OPCA/RCA
(36)
170
(30)
255
C.No.33A
(37.5)
160
15/01 Mast Type -- Chainage 15035.903
15/03 Mast Type -- Chainage 15063.903
15/05 Mast Type -- Chainage 15097.903
15/07 Mast Type -- Chainage 15132.403
15/09 Mast Type -- Chainage 15166.403
15/11 Mast Type -- Chainage 15202.403
15/13 Mast Type -- Chainage 15232.403
15/15 Mast Type -- Chainage 15269.903
T.L. =893.000m
Loc: 14/13
CH: 14170.903
T.L. =1872.500
Loc: 13/17
CH: 13293.903
T.L. = 1668.889m
Loc: 16/65
CH: 16835.292m
PRO.TCC2 @ CH:15018.134
FOR BSRP UP TRACK
PRO.TCC1 @ CH:15068.134
FOR BSRP UP TRACK
PRO.TCC2 @ CH:15094.954
FOR BSRP UP TRACK
PRO.TTC2 @ CH:15124.954
FOR BSRP UP TRACK
PRO.TTC1 @ CH:15158.744
FOR BSRP UP TRACK
PRO.TCC1@ CH:15198.744
FOR BSRP UP TRACK
PRO.TCC2 @ CH:15219.827
FOR BSRP UP TRACK
PRO.TTC2 @ CH:15259.827
FOR BSRP UP TRACK

BSRP DOWN TRACK
Curve No. = 32A - LH
Curve CH:15020.998m
R = 872.400m
Degree =2.006°
Delta = 2°42'53.12"
CCL = 21.335m
TRL = 20.00m
TTL = 30.672m
Ca = 40mm
Cd = 37.395mm
Cg = 1 in500m
Max. Speed = 70kmph

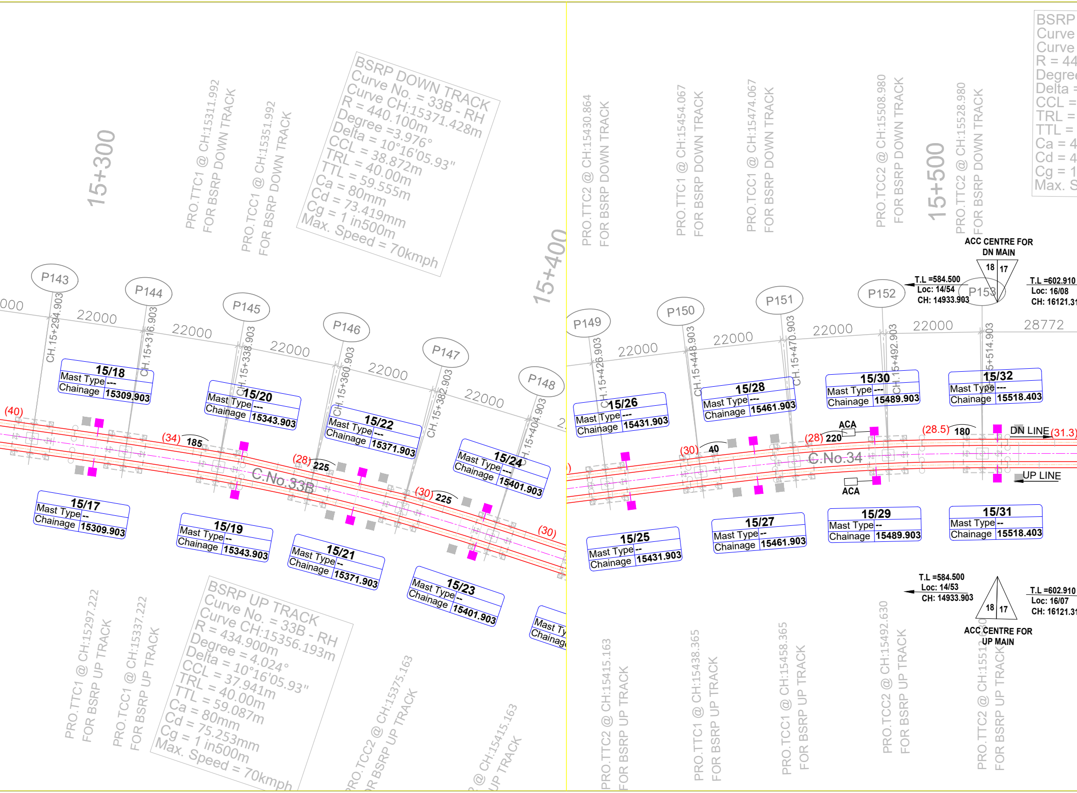
BSRP DOWN TRACK
Curve No. = 32B - RH
Curve CH:15095.329m
R = 587.600m
Degree = 2.978°
Delta = 5°35'23.55"
CCL = 27.328m
TRL = 30.00m
TTL = 43.689m
Ca = 60mm
Cd = 54.908mm
Cg = 1 in500m
Max. Speed = 70kmph

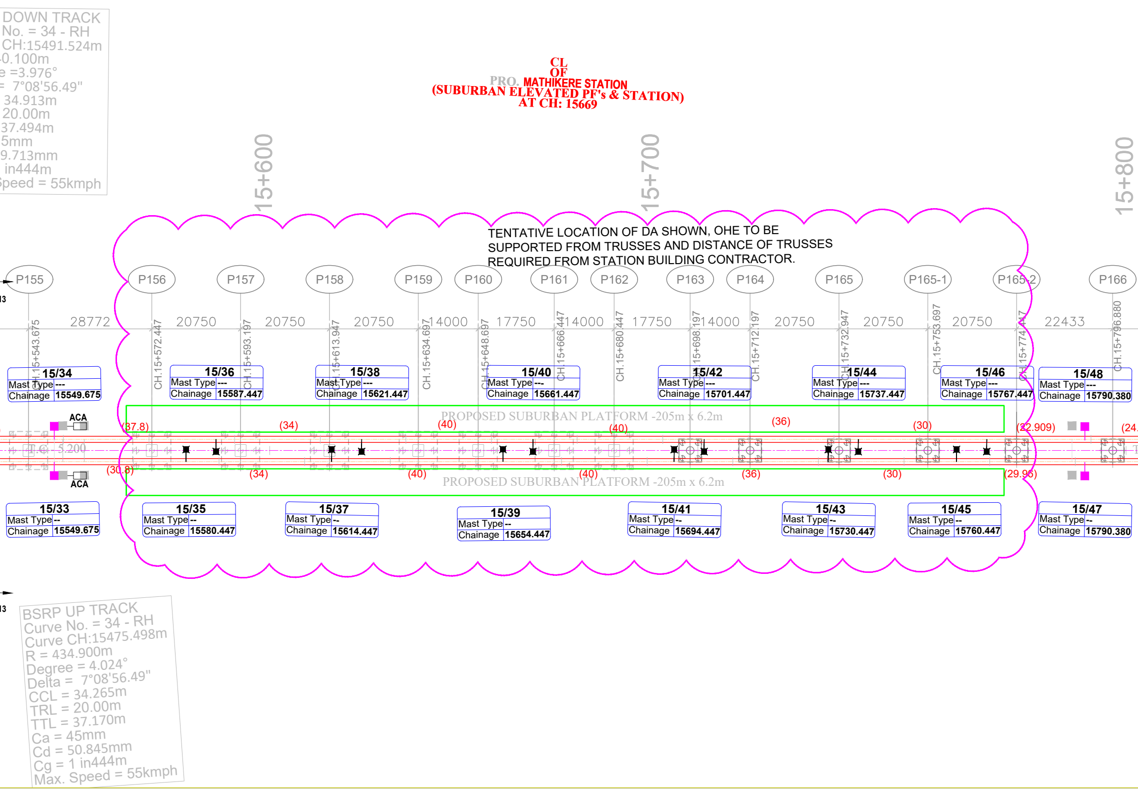
BSRP DOWN TRACK
Curve No. = 33A - RH
Curve CH:15223.690m
R = 440.100m
Degree =3.976°
Delta = 8°02'50.59"
CCL = 21.814m
TRL = 40.00m
TTL = 50.967m
Ca = 80mm
Cd = 73.419mm
Cg = 1 in500m
Max. Speed = 70kmph

BSRP UP TRACK
Curve No. = 32A - LH
Curve CH:15007.343m
R = 877.600m
Degree = 1.994°
Delta = 2°42'53.12"
CCL = 21.582m
TRL = 20.00m
TTL = 30.795m
Ca = 40mm
Cd = 36.937mm
Cg = 1 in500m
Max. Speed = 70kmph

BSRP UP TRACK
Curve No. = 32B - RH
Curve CH:15081.544m
R = 582.400m
Degree = 3.005°
Delta = 5°35'23.55"
CCL = 26.820m
TRL = 30.00m
TTL = 43.435m
Ca = 60mm
Cd = 55.934mm
Cg = 1 in500m
Max. Speed = 70kmph

BSRP UP TRACK
Curve No. = 33A - RH
Curve CH:15209.286m
R = 434.900m
Degree = 4.024°
Delta = 8°02'50.59"
CCL = 21.083m
TRL = 40.00m
TTL = 50.601m
Ca = 80mm
Cd = 75.253mm
Cg = 1 in500m
Max. Speed = 70kmph


15+300
PRO.TTC1 @ CH:15311.992
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:15351.992
FOR BSRP DOWN TRACK
BSRP DOWN TRACK
Curve No. = 33B - RH
Curve CH:15371.428m
R = 440.100m
Degree =3.976°
Delta = 10°16'05.93"
CCL = 38.872m
TRL = 40.00m
TTL = 59.555m
Ca = 80mm
Cd = 73.419mm
Cg = 1 in500m
Max. Speed = 70kmph
15+400
P143
P144
P145
P146
P147
P148
000
22000
22000
22000
22000
22000
22000
CH.15+294.903
CH.15+316.903
CH.15+338.903
CH.15+360.903
CH.15+382.903
CH.15+404.903
15/18
Mast Type ---
Chainage 15309.903
15/20
Mast Type ---
Chainage 15343.903
15/22
Mast Type ---
Chainage 15371.903
15/24
Mast Type ---
Chainage 15401.903
(40)
(34) 185
(28) 225
(30) 225
(30)
C.No.33B
15/17
Mast Type --
Chainage 15309.903
15/19
Mast Type --
Chainage 15343.903
15/21
Mast Type --
Chainage 15371.903
15/23
Mast Type --
Chainage 15401.903
Mast Ty
Chainag
BSRP UP TRACK
Curve No. = 33B - RH
Curve CH:15356.193m
R = 434.900m
Degree = 4.024°
Delta = 10°16'05.93"
CCL = 37.941m
TRL = 40.00m
TTL = 59.087m
Ca = 80mm
Cd = 75.253mm
Cg = 1 in500m
Max. Speed = 70kmph
PRO.TTC1 @ CH:15297.222
FOR BSRP UP TRACK
PRO.TCC1 @ CH:15337.222
FOR BSRP UP TRACK
PRO.TCC2 @ CH:15375.163
R BSRP UP TRACK
2 @ CH:15415.163
UP TRACK
PRO.TTC2 @ CH:15430.864
FOR BSRP DOWN TRACK
PRO.TTC1 @ CH:15454.067
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:15474.067
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:15508.980
FOR BSRP DOWN TRACK
15+500
PRO.TTC2 @ CH:15528.980
FOR BSRP DOWN TRACK
BSRP
Curve
Curve
R = 44
Degree
Delta =
CCL =
TRL =
TTL =
Ca = 4
Cd = 4
Cg = 1
Max. S
ACC CENTRE FOR
DN MAIN
18 17
T.L =584.500
Loc: 14/54
CH: 14933.903
T.L =602.910
Loc: 16/08
CH: 16121.31
P149
P150
P151
P152
P153
22000
22000
22000
22000
22000
28772
CH.15+426.903
CH.15+448.903
CH.15+470.903
CH.15+492.903
CH.15+514.903
15/26
Mast Type ---
Chainage 15431.903
15/28
Mast Type ---
Chainage 15461.903
15/30
Mast Type ---
Chainage 15489.903
15/32
Mast Type ---
Chainage 15518.403
(30) 40
(28) 220
ACA
(28.5) 180
DN LINE
(31.3)
C.No.34
UP LINE
ACA
15/25
Mast Type --
Chainage 15431.903
15/27
Mast Type --
Chainage 15461.903
15/29
Mast Type --
Chainage 15489.903
15/31
Mast Type --
Chainage 15518.403
T.L =584.500
Loc: 14/53
CH: 14933.903
T.L =602.910
Loc: 16/07
CH: 16121.31
18 17
ACC CENTRE FOR
UP MAIN
PRO.TTC2 @ CH:15415.163
FOR BSRP UP TRACK
PRO.TTC1 @ CH:15438.365
FOR BSRP UP TRACK
PRO.TCC1 @ CH:15458.365
FOR BSRP UP TRACK
PRO.TCC2 @ CH:15492.630
FOR BSRP UP TRACK
PRO.TTC2 @ CH:1551
FOR BSRP UP TRACK

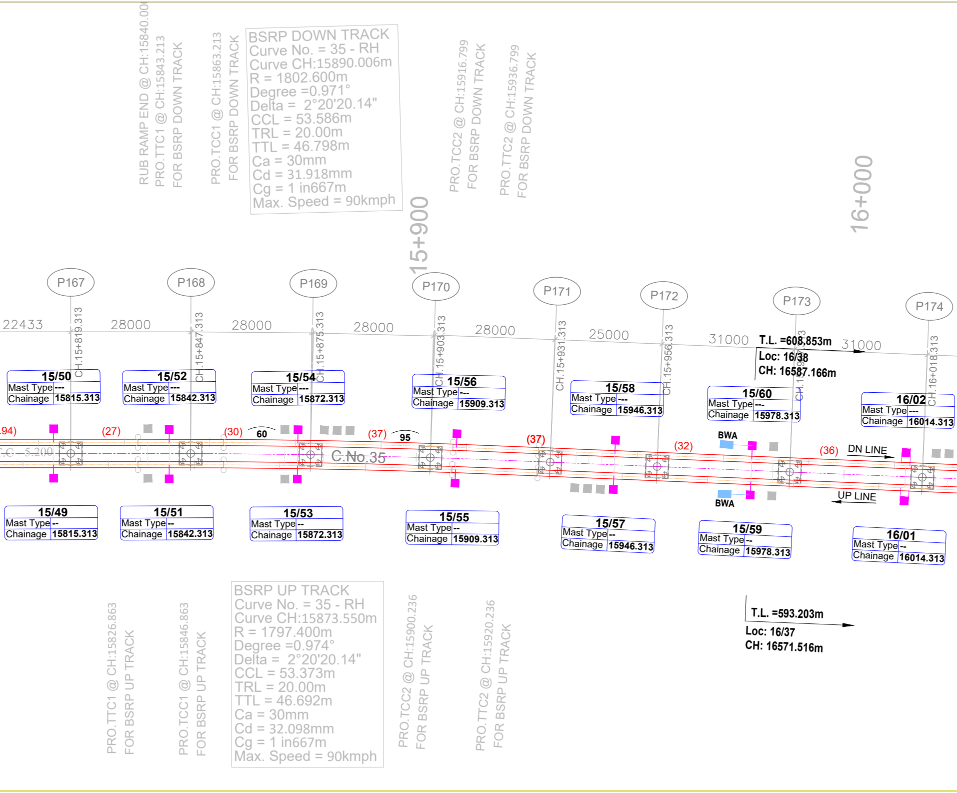


CL
OF
PRO. MATHIKERE STATION
(SUBURBAN ELEVATED PF's & STATION)
AT CH: 15669
15+600
15+700
15+800
P155
P156
P157
P158
P159
P160
P161
P162
P163
P164
P165
P165-1
P165-2
P166
28772
20750
20750
20750
14000
17750
14000
17750
14000
20750
20750
20750
22433
CH.15+543.675
CH.15+572.447
CH.15+593.197
CH.15+613.947
CH.15+634.697
CH.15+648.697
CH.15+666.447
CH.15+680.447
CH.15+698.197
CH.15+712.197
CH.15+732.947
CH.15+753.697
CH.15+774.447
CH.15+796.880
15/34 Mast Type --- Chainage 15549.675
15/36 Mast Type --- Chainage 15587.447
15/38 Mast Type --- Chainage 15621.447
15/40 Mast Type --- Chainage 15661.447
15/42 Mast Type --- Chainage 15701.447
15/44 Mast Type --- Chainage 15737.447
15/46 Mast Type --- Chainage 15767.447
15/48 Mast Type --- Chainage 15790.380
ACA
PROPOSED SUBURBAN PLATFORM -205m x 6.2m
(37.8)
(34)
(40)
(40)
(36)
(30)
(22.909)
(24.
T.C.
5.200
(30.8)
(34)
(40)
(40)
(36)
(30)
(29.96)
ACA
PROPOSED SUBURBAN PLATFORM -205m x 6.2m
15/33 Mast Type -- Chainage 15549.675
15/35 Mast Type -- Chainage 15580.447
15/37 Mast Type -- Chainage 15614.447
15/39 Mast Type -- Chainage 15654.447
15/41 Mast Type -- Chainage 15694.447
15/43 Mast Type -- Chainage 15730.447
15/45 Mast Type -- Chainage 15760.447
15/47 Mast Type -- Chainage 15790.380
13
13

DOWN TRACK
No. = 34 - RH
CH:15491.524m
-0.100m
e =3.976°
= 7°08'56.49"
34.913m
20.00m
37.494m
5mm
9.713mm
in444m
Speed = 55kmph

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

BSRP UP TRACK
Curve No. = 34 - RH
Curve CH:15475.498m
R = 434.900m
Degree = 4.024°
Delta = 7°08'56.49"
CCL = 34.265m
TRL = 20.00m
TTL = 37.170m
Ca = 45mm
Cd = 50.845mm
Cg = 1 in444m
Max. Speed = 55kmph


RUB RAMP END @ CH:15840.00
PRO.TTC1 @ CH:15843.213
FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:15863.213
FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:15916.799
FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:15936.799
FOR BSRP DOWN TRACK
15+900
16+000
P167
P168
P169
P170
P171
P172
P173
P174
22433
28000
28000
28000
28000
25000
31000
31000
CH.15+819.313
CH.15+847.313
CH.15+875.313
CH.15+903.313
CH.15+931.313
CH.15+956.313
CH.15+987.313
CH.16+018.313
.94)
(27)
(30)
60
(37)
95
(37)
(32)
(36)
T.C – 5.200
C.No.35
BWA
BWA
DN LINE
UP LINE
PRO.TTC1 @ CH:15826.863
FOR BSRP UP TRACK
PRO.TCC1 @ CH:15846.863
FOR BSRP UP TRACK
PRO.TCC2 @ CH:15900.236
FOR BSRP UP TRACK
PRO.TTC2 @ CH:15920.236
FOR BSRP UP TRACK

BSRP DOWN TRACK
Curve No. = 35 - RH
Curve CH:15890.006m
R = 1802.600m
Degree =0.971°
Delta = 2°20'20.14"
CCL = 53.586m
TRL = 20.00m
TTL = 46.798m
Ca = 30mm
Cd = 31.918mm
Cg = 1 in667m
Max. Speed = 90kmph

T.L. =608.853m
Loc: 16/38
CH: 16587.166m

15/50
Mast Type ---
Chainage **15815.313**

15/52
Mast Type ---
Chainage **15842.313**

15/54
Mast Type ---
Chainage **15872.313**

15/56
Mast Type ---
Chainage **15909.313**

15/58
Mast Type ---
Chainage **15946.313**

15/60
Mast Type ---
Chainage **15978.313**

16/02
Mast Type ---
Chainage **16014.313**

15/49
Mast Type --
Chainage **15815.313**

15/51
Mast Type --
Chainage **15842.313**

15/53
Mast Type --
Chainage **15872.313**

15/55
Mast Type --
Chainage **15909.313**

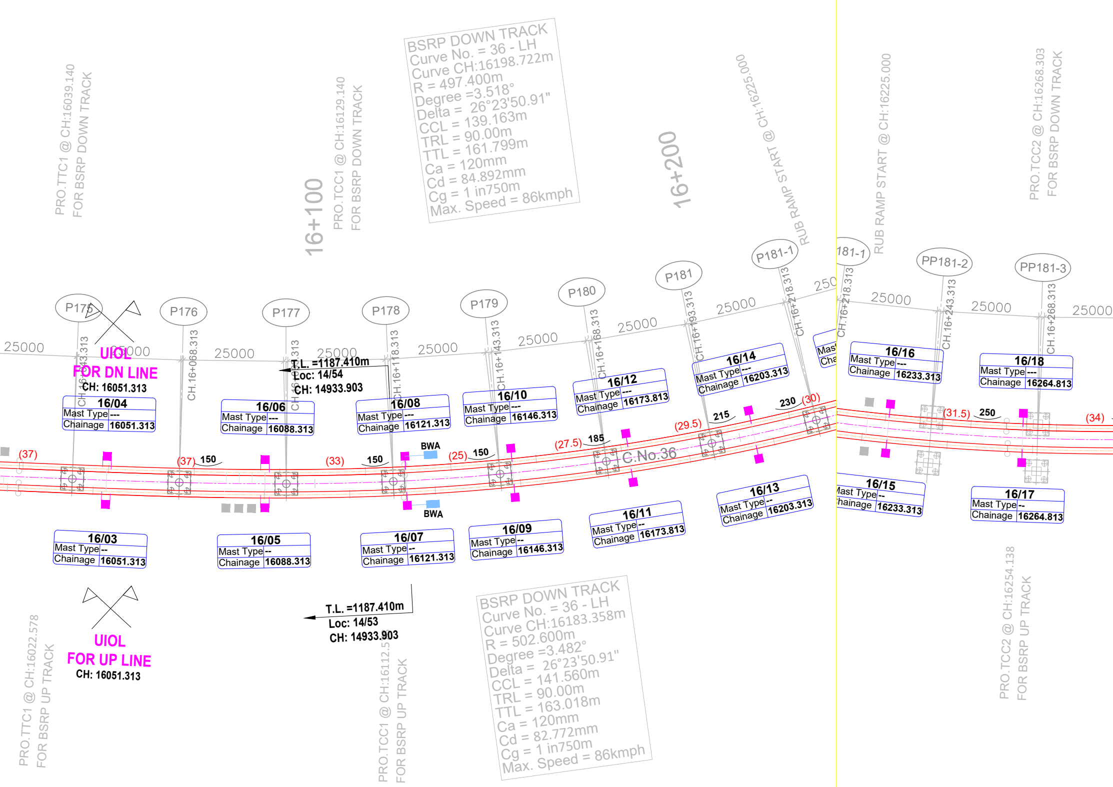
15/57
Mast Type --
Chainage **15946.313**

15/59
Mast Type --
Chainage **15978.313**

16/01
Mast Type --
Chainage **16014.313**

BSRP UP TRACK
Curve No. = 35 - RH
Curve CH:15873.550m
R = 1797.400m
Degree =0.974°
Delta = 2°20'20.14"
CCL = 53.373m
TRL = 20.00m
TTL = 46.692m
Ca = 30mm
Cd = 32.098mm
Cg = 1 in667m
Max. Speed = 90kmph

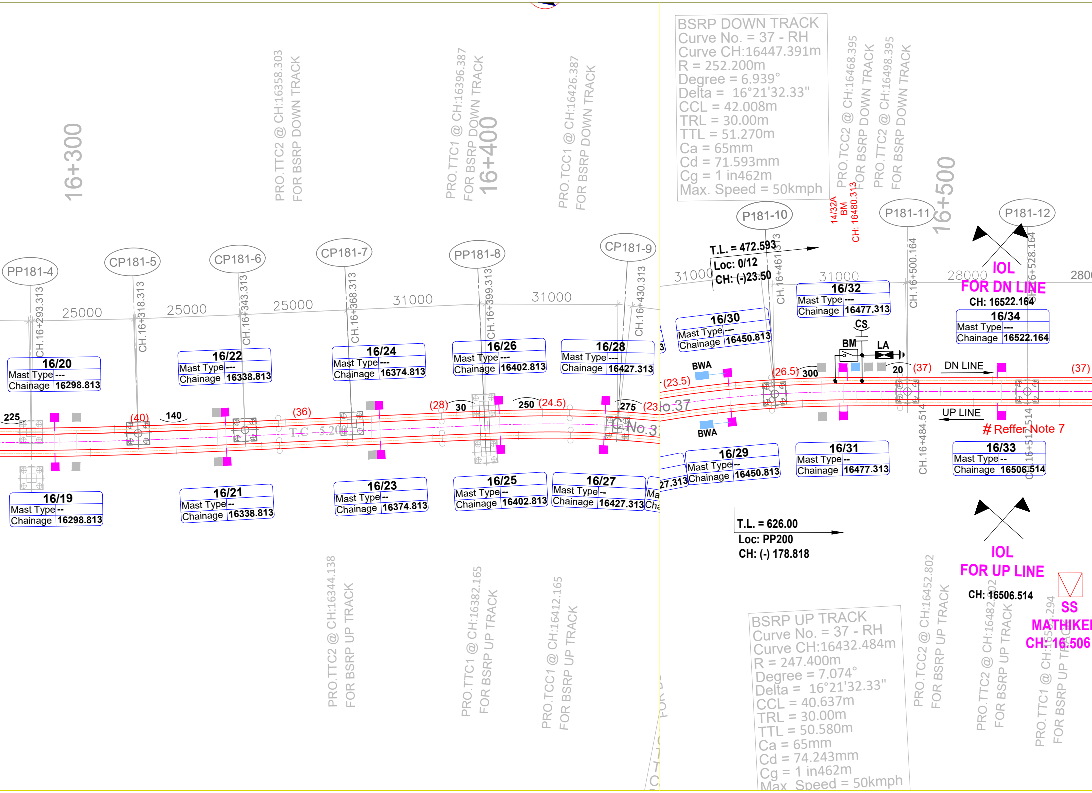
T.L. =593.203m
Loc: 16/37
CH: 16571.516m



PRO.TTC1 @ CH:16039.140
FOR BSRP DOWN TRACK
16+100
PRO.TCC1 @ CH:16129.140
FOR BSRP DOWN TRACK
16+200
RUB RAMP START @ CH:16225.000
RUB RAMP START @ CH:16225.000
PRO.TCC2 @ CH:16268.303
FOR BSRP DOWN TRACK
P175
P176
P177
P178
P179
P180
P181
P181-1
181-1
PP181-2
PP181-3
25000
CH.16+043.313
CH.16+068.313
CH.16+093.313
CH.16+118.313
CH.16+143.313
CH.16+168.313
CH.16+193.313
CH.16+218.313
CH.16+218.313
CH.16+243.313
CH.16+268.313
UIOL
FOR DN LINE
CH: 16051.313
T.L. =1187.410m
Loc: 14/54
CH: 14933.903
16/04 Mast Type --- Chainage 16051.313
16/06 Mast Type --- Chainage 16088.313
16/08 Mast Type --- Chainage 16121.313
16/10 Mast Type --- Chainage 16146.313
16/12 Mast Type --- Chainage 16173.813
16/14 Mast Type --- Chainage 16203.313
16/16 Mast Type --- Chainage 16233.313
16/18 Mast Type --- Chainage 16264.813
(37)
(37)
150
(33)
150
BWA
(25)
150
(27.5)
185
(29.5)
215
230
(30)
(31.5)
250
(34)
C.No.36
BWA
16/03 Mast Type -- Chainage 16051.313
16/05 Mast Type -- Chainage 16088.313
16/07 Mast Type -- Chainage 16121.313
16/09 Mast Type -- Chainage 16146.313
16/11 Mast Type -- Chainage 16173.813
16/13 Mast Type -- Chainage 16203.313
16/15 Mast Type -- Chainage 16233.313
16/17 Mast Type -- Chainage 16264.813
UIOL
FOR UP LINE
CH: 16051.313
T.L. =1187.410m
Loc: 14/53
CH: 14933.903
PRO.TTC1 @ CH:16022.578
FOR BSRP UP TRACK
PRO.TCC1 @ CH:16112.5
FOR BSRP UP TRACK
PRO.TCC2 @ CH:16254.138
FOR BSRP UP TRACK

BSRP DOWN TRACK
Curve No. = 36 - LH
Curve CH:16198.722m
R = 497.400m
Degree =3.518°
Delta = 26°23'50.91"
CCL = 139.163m
TRL = 90.00m
TTL = 161.799m
Ca = 120mm
Cd = 84.892mm
Cg = 1 in750m
Max. Speed = 86kmph

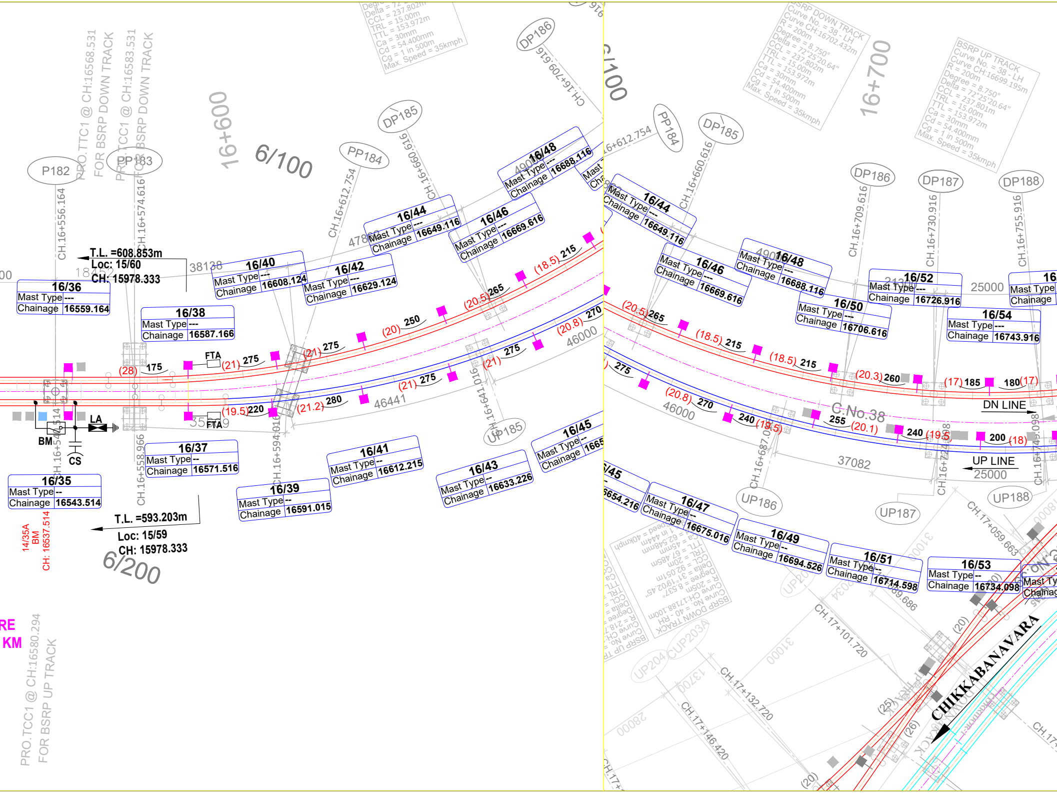
BSRP DOWN TRACK
Curve No. = 36 - LH
Curve CH:16183.358m
R = 502.600m
Degree =3.482°
Delta = 26°23'50.91"
CCL = 141.560m
TRL = 90.00m
TTL = 163.018m
Ca = 120mm
Cd = 82.772mm
Cg = 1 in750m
Max. Speed = 86kmph

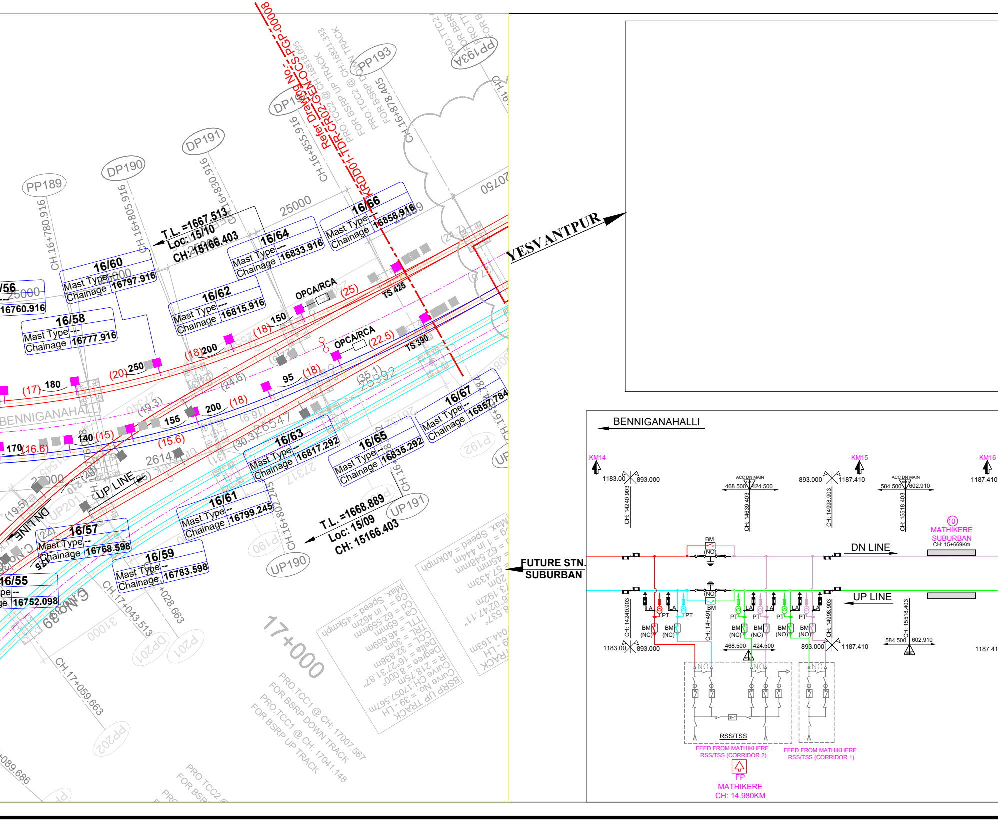

16+300
16+400
16+500
PRO.TTC2 @ CH:16358.303 FOR BSRP DOWN TRACK
PRO.TTC1 @ CH:16396.387 FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:16426.387 FOR BSRP DOWN TRACK
PRO.TCC2 @ CH:16468.395 FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:16498.395 FOR BSRP DOWN TRACK
PRO.TTC2 @ CH:16344.138 FOR BSRP UP TRACK
PRO.TTC1 @ CH:16382.165 FOR BSRP UP TRACK
PRO.TCC1 @ CH:16412.165 FOR BSRP UP TRACK
PRO.TCC2 @ CH:16452.802 FOR BSRP UP TRACK
PRO.TTC2 @ CH:16482.802 FOR BSRP UP TRACK
PRO.TTC1 @ CH:16512.294 FOR BSRP UP TRACK
PP181-4
CP181-5
CP181-6
CP181-7
PP181-8
CP181-9
P181-10
P181-11
P181-12
CH.16+293.313
CH.16+318.313
CH.16+343.313
CH.16+368.313
CH.16+399.313
CH.16+430.313
CH.16+461.313
CH.16+500.164
CH.16+528.164
CH.16+484.514
CH.16+512.514
25000
25000
25000
31000
31000
31000
31000
28000
280
225
(40)
140
(36)
(28)
30
250
(24.5)
275
(23.5)
(23.5)
(26.5)
300
20
(37)
(37)
T.C. 5.206
C.No.37
T.L. = 472.593
Loc: 0/12
CH: (-)23.50
T.L. = 626.00
Loc: PP200
CH: (-) 178.818
14/32A BM CH: 16480.313
CS
BM
LA
BWA
BWA
DN LINE
UP LINE
# Reffer Note 7
IOL
FOR DN LINE
CH: 16522.164
IOL
FOR UP LINE
CH: 16506.514
SS
MATHIKE
CH: 16.506

16/20 Mast Type --- Chainage 16298.813
16/19 Mast Type -- Chainage 16298.813
16/22 Mast Type --- Chainage 16338.813
16/21 Mast Type -- Chainage 16338.813
16/24 Mast Type --- Chainage 16374.813
16/23 Mast Type -- Chainage 16374.813
16/26 Mast Type --- Chainage 16402.813
16/25 Mast Type -- Chainage 16402.813
16/28 Mast Type --- Chainage 16427.313
16/27 Mast Type -- Chainage 16427.313
16/30 Mast Type --- Chainage 16450.813
16/29 Mast Type -- Chainage 16450.813
16/32 Mast Type --- Chainage 16477.313
16/31 Mast Type -- Chainage 16477.313
16/34 Mast Type --- Chainage 16522.164
16/33 Mast Type -- Chainage 16506.514

BSRP DOWN TRACK
Curve No. = 37 - RH
Curve CH:16447.391m
R = 252.200m
Degree = 6.939°
Delta = 16°21'32.33"
CCL = 42.008m
TRL = 30.00m
TTL = 51.270m
Ca = 65mm
Cd = 71.593mm
Cg = 1 in462m
Max. Speed = 50kmph

BSRP UP TRACK
Curve No. = 37 - RH
Curve CH:16432.484m
R = 247.400m
Degree = 7.074°
Delta = 16°21'32.33"
CCL = 40.637m
TRL = 30.00m
TTL = 50.580m
Ca = 65mm
Cd = 74.243mm
Cg = 1 in462m
Max. Speed = 50kmph


16/36
Mast Type ---
Chainage 16559.164
16/35
Mast Type --
Chainage 16543.514
16/37
Mast Type --
Chainage 16571.516
16/38
Mast Type ---
Chainage 16587.166
16/39
Mast Type --
Chainage 16591.015
16/40
Mast Type ---
Chainage 16608.124
16/41
Mast Type --
Chainage 16612.215
16/42
Mast Type ---
Chainage 16629.124
16/43
Mast Type --
Chainage 16633.226
16/44
Mast Type ---
Chainage 16649.116
16/45
Mast Type --
16/46
Mast Type ---
Chainage 16669.616
16/47
Mast Type --
Chainage 16675.016
16/48
Mast Type ---
Chainage 16688.116
16/49
Mast Type --
Chainage 16694.526
16/50
Mast Type ---
Chainage 16706.616
16/51
Mast Type --
Chainage 16714.598
16/52
Mast Type ---
Chainage 16726.916
16/53
Mast Type --
Chainage 16734.098
16/54
Mast Type ---
Chainage 16743.916
T.L. =608.853m
Loc: 15/60
CH: 15978.333
T.L. =593.203m
Loc: 15/59
CH: 15978.333
P182
PP183
PP184
DP185
DP186
DP187
DP188
UP185
UP186
UP187
UP188
PP184
16+600
16+700
6/100
6/200
PRO.TTC1 @ CH:16568.531 FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:16583.531 FOR BSRP DOWN TRACK
PRO.TCC1 @ CH:16580.294 FOR BSRP UP TRACK
CH.16+556.164
CH.16+574.616
CH.16+558.966
CH.16+540.514
CH.16+594.016
CH.16+612.754
CH.16+660.616
CH.16+641.016
CH.16+709.616
CH.16+687.016
CH.16+730.916
CH.16+755.916
CH.17+059.663
CH.17+101.720
CH.17+132.720
CH.17+146.420
14/35A BM CH: 16537.514
BM
CS
LA
FTA
FTA
(28) 175
(21) 275
(21) 275
(20) 250
(20.5) 265
(18.5) 215
(19.5) 220
(21.2) 280
(21) 275
(21) 275
(20.8) 270
(20.5) 265
(18.5) 215
(18.5) 215
(20.3) 260
(17) 185
180 (17)
275
(20.8) 270
240 (19.5)
255 (20.1)
240 (19.5)
200 (18)
C.No.38
DN LINE
UP LINE
25000
25000
46000
46441
46000
37082
38138
18452
35519
BSRP DOWN TRACK
Curve No. = 38 - LH
Curve CH:16702.432m
R = 200m
Degree = 8.750°
Delta = 72°25'20.64"
CCL = 237.802m
TRL = 15.00m
TTL = 153.972m
Ca = 30mm
Cd = 54.400mm
Cg = 1 in 500m
Max. Speed = 35kmph
BSRP UP TRACK
Curve No. = 38 - LH
Curve CH:16699.195m
R = 200m
Degree = 8.750°
Delta = 72°25'20.64"
CCL = 237.801m
TRL = 15.00m
TTL = 153.972m
Ca = 30mm
Cd = 54.400mm
Cg = 1 in 500m
Max. Speed = 35kmph
CHIKKABANAVARA
RE
KM

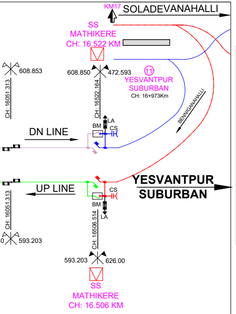

Refer Drawing No.: KRDD01-TDR-CR02-GEN-OCS-PGP-00008
T.L. =1667.513
Loc: 15/10
CH: 15166.403
T.L. =1668.889
Loc: 15/09
CH: 15166.403
16/60
Mast Type
Chainage 16797.916
16/58
Mast Type ---
Chainage 16777.916
16/62
Mast Type ---
Chainage 16815.916
16/64
Mast Type ---
Chainage 16833.916
16/66
Mast Type ---
Chainage 16858.916
16/63
Mast Type --
Chainage 16817.292
16/65
Mast Type --
Chainage 16835.292
16/67
Mast Type --
Chainage 16857.784
16/61
Mast Type --
Chainage 16799.245
16/57
Mast Type --
Chainage 16768.598
16/59
Mast Type --
Chainage 16783.598
16/55
Chainage 16752.098
/56
Chainage 16760.916
PP189
DP190
DP191
DP192
PP193
PP193A
UP190
UP191
CH.16+780.916
CH.16+805.916
CH.16+830.916
CH.16+855.916
CH.16+878.405
CH.16+802.245
CH.17+043.513
CH.17+059.663
OPCA/RCA
TS 425
TS 390
UP LINE
DN LINE
BENNIGANAHALLI
17+000
PRO.TCC1 @ CH: 17007.567 FOR BSRP DOWN TRACK
PRO.TCC1 @ CH: 17041.148 FOR BSRP UP TRACK
PRO.TCC2 @ DOWN TRACK FOR BSRP
PRO.TCC2 @ CH:16821.333 UP TRACK FOR BSRP
YESVANTPUR
FUTURE STN. SUBURBAN
BENNIGANAHALLI
KM14
KM15
KM16
1183.00
893.000
1187.410
ACC DN MAIN
468.500
424.500
584.500
602.910
CH: 14240.903
CH: 14639.403
CH: 14998.903
CH: 15518.403
CH: 14+491
⑩ MATHIKERE SUBURBAN
CH: 15+669Km
DN LINE
UP LINE
BM
NO
NC
LA
PT
RSS/TSS
FEED FROM MATHIKHERE RSS/TSS (CORRIDOR 2)
FEED FROM MATHIKHERE RSS/TSS (CORRIDOR 1)
FP
MATHIKERE
CH: 14.980KM

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	
46	Overhead Protection Conductor	
47	Return Conductor	
48	Cross feeder	
49	Slack feeder	
50	Full Feeding Jumper	
51	Potential Equalising Jumper	
52	In-Span Jumper	
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 CHAINAGE OF PEGGING PLAN HAS BEEN REFERRED ACCORDING TO THE ELEVATED GAD RECEIVED FROM L&T ON 10-07-2024:
   - FOR UP & DN (P-96 TO P-181-10) REFER TO "DRG NO. O22077-BSRP-CR2-C-VD-GEN-10-2007-2010."
   - FOR UP LINE (P 181-11 TO UP 192) REFER TO "DRG NO. O22077-BSRP-CR2-C-VD-GEN-20-2064."
   - FOR DN LINE (P181-11 TO DP192) REFER TO "DRG NO. O22077-BSRP-CR2-C-VD-GEN-20-2061."
5. CHAINAGES OF OHE LOCATION HAS BEEN CONSIDERED WITH RESPECT TO PIER CENTER LINE DESIGN CHAINAGE FOR BOTH UP & DN LINE UPTO LOCATION NO. 16/31 & 16/32.
6. LOCATION NO. 16/33 & 16/34 ONWARDS DIFFERENT CHAINAGE FOR UP & DN LINE TO BE FOLLOWED AS MENTIONED IN REVISED HDB LIST, DOCUMENT NO. KRDD01-PRD-CR02-GEN-OCS-HDB-00002. DT. 01-08-2024
8. SPANS ARE ROUNDED OFF TO NEAREST SINGLE DECIMAL.
9. MAST TYPE SHALL BE DEMARCATED IN PEGGING PLAN AFTER FINALIZATION OF OHE LOAD CALCULATIONS.
10. FOR UP LINE IN THE INCREASING ORDER OF THE PIER NO FROM UP186 TO PP193 PEDESTAL ON THE LEFT SIDE OF THE GIRDER TO BE STRENGTHEN FOR OHE LOCATION.
11. 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.


KM17
SOLADEVANAHALLI
SS
MATHIKERE
CH: 16.522 KM
608.853
608.850
472.593
⑪
YESVANTPUR
SUBURBAN
CH: 16+973Km
CH: 16051.313
CH: 16522.164
BENNIGANAHALLI
LA
BM
CS
DN LINE
UP LINE
CS
BM
LA
YESVANTPUR
SUBURBAN
CH: 16051.313
CH: 16506.514
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593.203
593.203
626.00
SS
MATHIKERE
CH: 16.506 KM

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	14-08-2024	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: 014+062.903(P96)Km to
CH:16+854.784/16+855.916Km (UP192/DP192)

Project Stage: Tender Drawing

Paper Size: A3
Discipline: Power Supply & Traction System
Date: 14/08/2024
Scale: NTS
Drawing no.: KRDD01-TDR-CR02-GEN-OCS-PGP-00007
Revision: R0