BRIDGE DETAILS

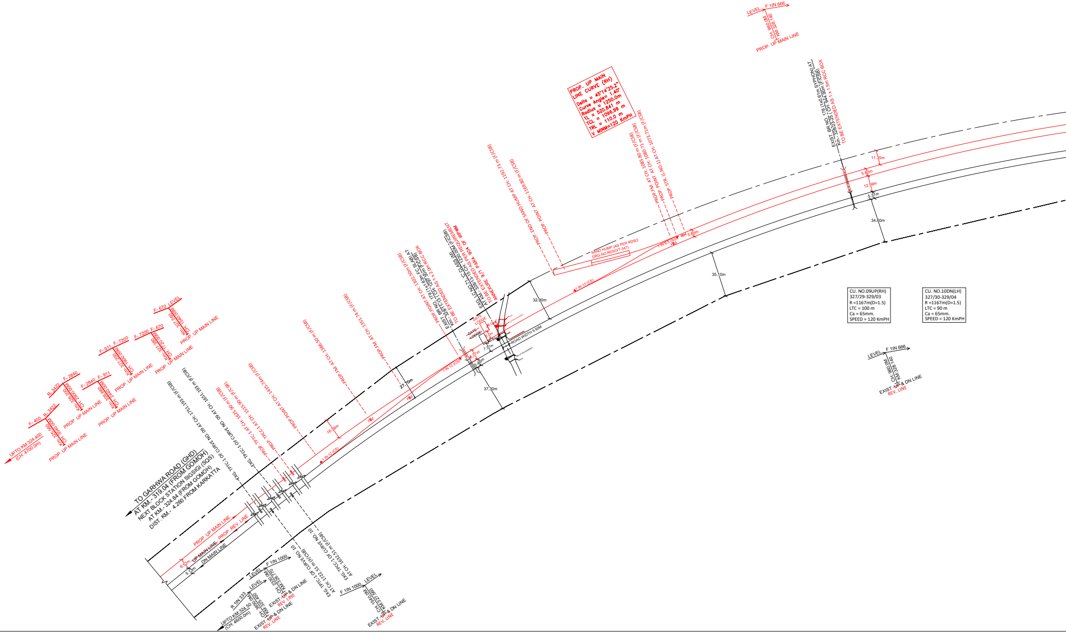
SL. NO.	BR.NO.	TYPE OF BRIDGE	NO. OF OPENIG WITH CLEAR SPAN	LOCATION AT Km WITH EP (DECIMAL)	REMARKS
1.	183	FC SLAB / FC SLAB	1x1.22m / 1x0.91m	326/13-15 (326.378)	TO BE EXTENDED AS 1 x 1.5 M RCC BOX
2.	182	FC SLAB / FC SLAB	1x1.83m / 1x1.83m	327/00-01 (327.000)	TO BE EXTENDED AS 1 x 2.0 M RCC BOX
3.	181	RCC BOX / ARCH	1x1.22m / 1x0.91m	327/17-19 (327.486)	TO BE EXTENDED AS 1 x 1.5 M RCC BOX
4.	180	RCC SLAB / ARCH	1x5.48m / 1x5.48m	327/25-27 (327.702)	TO BE EXTENDED AS 1 x 6.0 M RCC BOX
5.	179	FC SLAB / FC SLAB	1x1.83m / 1x1.83m	328/11-13 (327.803)	TO BE EXTENDED AS 1 x 2.0 M RCC BOX
6.	178	SYPHON / SYPHON	1x0.61m / 1x0.61m	328/23-25 (328.155)	TO BE EXTENDED AS 1 x 1.5 M RCC BOX
7.	177	RCC SLAB / ARCH	1x3.66m / 1x3.66m	329/09-11 (328.794)	TO BE EXTENDED AS 1 x 4.0 M RCC BOX
8.	176	FC SLAB / ARCH	1x0.91m / 1x0.91m	329/17-19 (329.014)	TO BE EXTENDED AS 1 x 1.5 M RCC BOX

GRADIENT POST

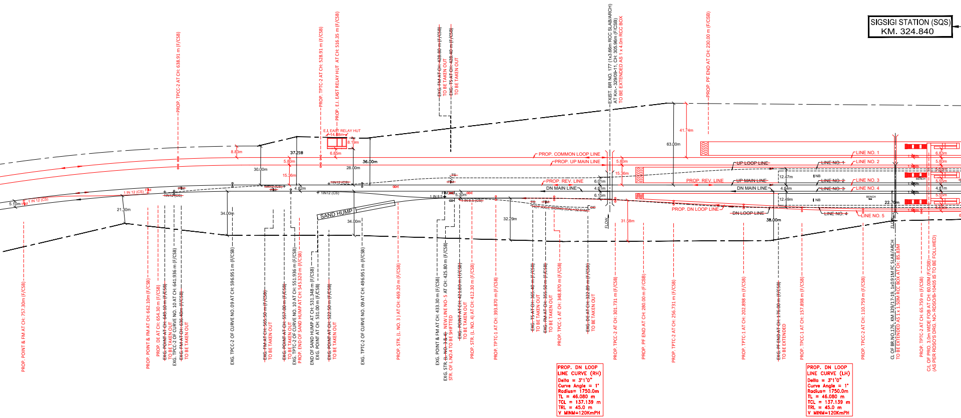
SL.NO.	LOCATION(IN Km.)		DISTANCE (IN M)	GRADE	CHANAGE (in M)		REMARKS
	FROM	TO			FROM	TO	
1.	325.450	326.770	1320	LEVEL	3650.00	2330.00	
2.	326.770	327.560	790	FALL 1 IN 1000	2330.00	1540.00	
3.	327.560	328.140	580	LEVEL	1540.00	960.00	
4.	328.140	329.100	960	FALL 1 IN 666	960.00	0.00	

DETAILS OF LEVEL CROSSING (SQS - KRTA)

Sr.No	L.C. NO.	LOCATION AT Km. WITH EP (DECIMAL)	M/UM	CLASS	TRAFFIC/ ENGG.	BLOCK SECTION	CONTROLLING STATION	TVU/YEAR	INTERLOCKING YES/NO	REMARKS
1	71	328/13-15 (328.353)	M	C	E	KRTA - SQS	KRTA	8029 / MAR.- 19	NO	TO BE EXTENDED

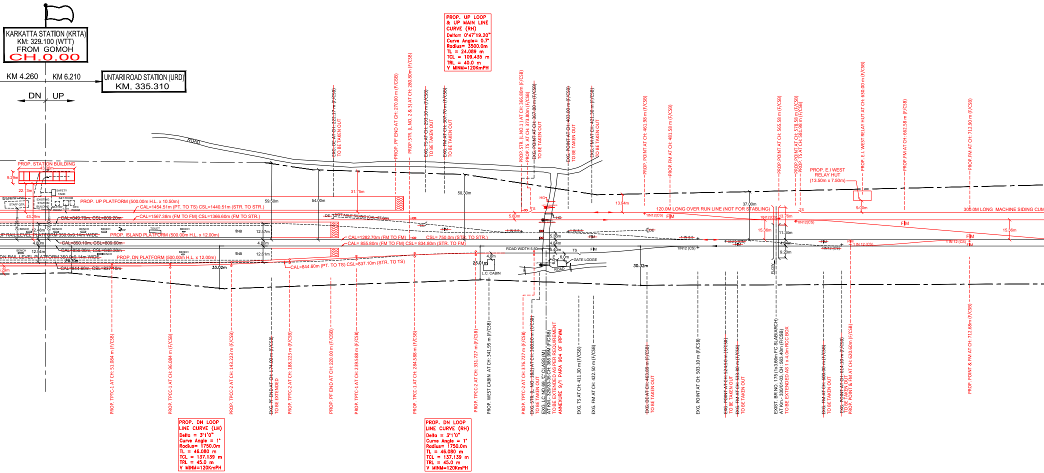

PROP. UP MAIN
LINE CURVE (RH)
Delta = 45°14'25.2"
Curve Angle= 1.40°
Radius = 1250.0m
TL = 520.841 m
TCL = 1096.99 m
TRL = 110.0 m
V MINM=120 KmPH
CU. NO.09UP(RH)
327/29-329/03
R =1167m(D=1.5)
LTC = 100 m
Ca = 65mm.
SPEED = 120 KmPH
CU. NO.10DN(LH)
327/30-329/04
R =1167m(D=1.5)
LTC = 90 m
Ca = 65mm.
SPEED = 120 KmPH
TO GARHWA ROAD (GHD)
AT KM.- 319.04 (FROM GOMOH)
NEXT BLOCK STATION SIGSIGI (SQS)
AT KM.- 324.84 (FROM GOMOH)
DIST. KM.- 4.260 FROM KARKATTA
PROP. UP MAIN LINE
PROP. REV. LINE
UP MAIN LINE
DN MAIN LINE
8.52m
5.13m
LEVEL
F 1IN 666
PROP. UP MAIN LINE
EXIST. UP & DN LINE
REV. LINE
F 1IN 1000
R 1IN 333
UPTO KM 324.400 (CH: 4700.0m)
UPTO KM:324.50 (CH: 4600.0m)
SAND HUMP (AS PER RDSO DRG NO.RDSO/T-347)
ROAD WIDTH 5.50M
GATE LODGE
11.35m
5.80m
12.59m
5.31m
34.60m
35.10m
32.90m
37.30m
27.70m
16.38m

SIGSIGI STATION (SQS)
KM. 324.840


PROP. TPCC-2 AT CH: 638.91 m (F/CSB)
PROP. TPTC-2 AT CH: 528.91 m (F/CSB)
PROP. E.I. EAST RELAY HUT AT CH: 516.35 m (F/CSB)
~~EXG. FM AT CH: 428.80 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. TS AT CH: 428.40 m (F/CSB)~~ TO BE TAKEN OUT
EXIST. BR NO. 177 (1x3.66m RCC SLAB/ARCH) AT Km.- 329/09-11, CH: 305.96m (F/CSB) TO BE EXTENDED AS 1 x 4.0m RCC BOX
PROP. PF END AT CH: 230.00 m (F/CSB)
E.I. EAST RELAY HUT
14.88m
8.19m
6.85m
8.83m
37.218
36.00m
30.00m
28.00m
5.80m
15.36m
4.82m
41.74m
63.00m
PROP. COMMON LOOP LINE
PROP. UP MAIN LINE
PROP. REV. LINE
DN MAIN LINE
6.01m
4.81m
6.15m
5.80m
15.36m
UP LOOP LINE
UP MAIN LINE
DN MAIN LINE
PROP. REV. LINE
~~LINE NO. 1~~
~~LINE NO. 2~~
~~LINE NO. 3~~
LINE NO. 1
LINE NO. 2
LINE NO. 3
LINE NO. 4
12.47m
4.84m
12.49m
NB
NB
BENCH
BENCH
22.70m
6.83m
5.80m
5.55m
5.55m
4.81m
5.55m
5.55m
1.68m
PROP. DN LOOP LINE
DN LOOP LINE
LINE NO. 4
LINE NO. 5
38.00m
31.58m
FLOW
FLOW
5.10m
FM
1 IN 12 (CS)
1 IN 12 (CS)
FM
~~1IN12 (CS)~~
~~FM~~
21.30m
~~1IN12 (CS)~~
~~FM~~
~~1IN12 (CS)~~
1IN12 (CS)
34.00m
SAND HUMP
34.00m
TS
FM
FM
1 IN 8.5
5.30m
~~1 IN 8.5 (CS)~~
32.29m
~~TS~~
~~FM~~
~~HOT AXLE SIDING (CAL=32.61M)~~
DE
PROP. POINT & FM AT CH: 757.30m (F/CSB)
PROP. POINT & FM AT CH: 662.10m (F/CSB)
PROP. DE AT CH: 654.30 m (F/CSB)
~~EXG. POINT AT CH: 649.10 m (F/CSB)~~ TO BE TAKEN OUT
EXG. TPCC-2 OF CURVE NO. 10 AT CH: 641.936 m (F/CSB)
~~EXG. FM AT CH: 636.40m (F/CSB)~~ TO BE TAKEN OUT
EXG. TPCC-2 OF CURVE NO.09 AT CH: 596.951 m (F/CSB)
~~EXG. FM AT CH: 565.50 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. POINT AT CH: 557.00 m (F/CSB)~~ TO BE TAKEN OUT
EXG. TPTC-2 OF CURVE NO. 10 AT CH: 551.936 m (F/CSB)
PROP. END OF SAND HUMP AT CH: 545.320 m (F/CSB)
END OF SAND HUMP AT CH: 531.348 m (F/CSB)
EXG. POINT AT CH: 531.00 m (F/CSB)
~~EXG. POINT AT CH: 522.50 m (F/CSB)~~ TO BE TAKEN OUT
EXG. TPTC-2 OF CURVE NO. 09 AT CH: 496.951 m (F/CSB)
PROP. STR. (L. NO. 3) AT CH: 469.20 m (F/CSB)
EXG. POINT & FM AT CH: 433.30 m (F/CSB)
EXG. STR. ~~(L. NO. 3 & 4)~~ NEW LINE NO- 5 AT CH: 425.80 m (F/CSB)
STR. OF L.NO.4 TO BE SHIFTTED
~~EXG. POINT AT CH: 421.80 m (F/CSB)~~ TO BE TAKEN OUT
PROP. STR. (L. NO. 4) AT CH: 412.30 m (F/CSB)
PROP. TPTC-1 AT CH: 393.870 m (F/CSB)
~~EXG. TS AT CH: 365.40 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. FM AT CH: 355.50 m (F/CSB)~~ TO BE TAKEN OUT
PROP. TPCC-1 AT CH: 348.870 m (F/CSB)
~~EXG. DE AT CH: 322.89 m (F/CSB)~~ TO BE TAKEN OUT
PROP. TPCC-2 AT CH: 301.731 m (F/CSB)
PROP. PF END AT CH: 280.00 m (F/CSB)
PROP. TPTC-2 AT CH: 256.731 m (F/CSB)
PROP. TPTC-1 AT CH: 202.898 m (F/CSB)
~~EXG. PF END AT CH: 176.00 m (F/CSB)~~ TO BE EXTENDED
PROP. TPCC-1 AT CH: 157.898 m (F/CSB)
PROP. TPCC-2 AT CH: 110.759 m (F/CSB)
CL OF BR.NO.176, KM 329/17-19, 1x0.91M FC SLAB/ARCH TO BE EXTENDED AS 1 x 1.50M RCC BOX AT CH: 85.83M
PROP. TPTC-2 AT CH: 65.759 m (F/CSB)
C/L OF PRO. 3.0m WIDE FOB AT CH: 60.00M (F/CSB) (AS PER RDSO'S DRG. NO- RDSO/B-10405 IS TO BE FOLLWED)

PROP. DN LOOP LINE CURVE (RH)
Delta = 3°1'0"
Curve Angle = 1°
Radius= 1750.0m
TL = 46.080 m
TCL = 137.139 m
TRL = 45.0 m
V MINM=120KmPH

PROP. DN LOOP LINE CURVE (LH)
Delta = 3°1'0"
Curve Angle = 1°
Radius= 1750.0m
TL = 46.080 m
TCL = 137.139 m
TRL = 45.0 m
V MINM=120KmPH


KARKATTA STATION (KRTA)
KM: 329.100 (WTT)
FROM GOMOH
CH.0.00
KM 4.260
KM 6.210
UNTARI ROAD STATION (URD)
KM. 335.310
DN
UP
ROAD
PROP. STATION BUILDING
43.06m
9.29m
22.13m
43.29m
SAFETY TANK
S&T ROOM
BOUNDARY WALL
STAFF QTR.
EXISTING STATION BUILDING
BATTRY ROOM
OFC ROOM
PROP. UP PLATFORM (500.00m H.L. x 10.50m)
CAL=1454.51m (PT. TO TS) CSL=1440.51m (STR. TO STR.)
CAL=1567.38m (FM TO FM) CSL=1366.60m (FM TO STR.)
CAL=849.70m, CSL=809.20m
UP RAIL LEVEL PLATFORM 350.0x9.14m WIDE
PROP. ISLAND PLATFORM (500.00m H.L. x 12.00m)
CAL=850.10m, CSL=809.60m
CAL=856.00m, CSL=848.30m
DN RAIL LEVEL PLATFORM 350.0x9.14m WIDE
PROP. DN PLATFORM (500.00m H.L. x 12.00m)
CAL=844.60m, CSL=837.10m
CAL=844.60m (PT. TO TS) CSL=837.10m (STR. TO TS)
CAL=1282.70m (FM TO FM)
CAL= 855.80m (FM TO FM) CSL= 834.80m (STR. TO FM)
CSL= 750.0m (STR. TO STR.)
HOT AXLE SIDING (CAL=67.5M)
DE
BENCH
TOILET
HP
NB
24.35m
23.60m
12.48m
12.54m
4.80m
20.70m
59.50m
54.00m
31.75m
50.30m
12.57m
12.61m
33.02m
25.01m
4.8m
L.C. CABIN
ROAD WIDTH 5.50m
5.38m
4.84m
5.40m
6.0m
GATE LODGE
HG
TS
FM
5.80m
13.94m
30.32m
1IN12 (CS)
1 IN 8.5
1 IN 12 (CS)
120.0M LONG OVER RUN LINE (NOT FOR STABLING)
37.00m
11.34m
15.36m
9.20m
13.76m
FLOW
PROP. E.I WEST RELAY HUT (13.50m x 7.50m)
9.00m
300.0M LONG MACHINE SIDING CUM
PROP. UP LOOP & UP MAIN LINE CURVE (RH)
Delta= 0°47'19.20"
Curve Angle= 0.7°
Radius= 3500.0m
TL = 24.089 m
TCL = 109.435 m
TRL = 40.0 m
V MINM=120KmPH
~~EXG. DE AT CH: 222.17 m (F/CSB)~~ TO BE TAKEN OUT
PROP. PF END AT CH: 270.00 m (F/CSB)
PROP. STR. (L.NO. 2 & 3) AT CH: 280.80m (F/CSB)
~~EXG. TS AT CH: 293.10 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. FM AT CH: 307.70 m (F/CSB)~~ TO BE TAKEN OUT
PROP. STR. (L.NO.1) AT CH: 366.80m (F/CSB)
PROP. TS AT CH: 373.80m (F/CSB)
~~EXG. POINT AT CH: 367.00 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. POINT AT CH: 403.00 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. FM AT CH: 421.30 m (F/CSB)~~ TO BE TAKEN OUT
PROP. POINT AT CH: 461.98 m (F/CSB)
PROP. FM AT CH: 481.58 m (F/CSB)
PROP. POINT AT CH: 565.58 m (F/CSB)
PROP. POINT AT CH: 578.58 m (F/CSB)
PROP. TS AT CH: 581.98 m (F/CSB)
PROP. E.I. WEST RELAY HUT AT CH: 630.00 m (F/CSB)
PROP. FM AT CH: 662.58 m (F/CSB)
PROP. FM AT CH: 712.90 m (F/CSB)
PROP. TPTC-1 AT CH: 51.084 m (F/CSB)
PROP. TPCC-1 AT CH: 96.084 m (F/CSB)
PROP. TPCC-2 AT CH: 143.223 m (F/CSB)
~~EXG. PF END AT CH: 174.00 m (F/CSB)~~ TO BE EXTENDED
PROP. TPTC-2 AT CH: 188.223 m (F/CSB)
PROP. PF END AT CH: 220.00 m (F/CSB)
PROP. TPTC-1 AT CH: 239.588 m (F/CSB)
PROP. TPCC-1 AT CH: 284.588 m (F/CSB)
PROP. TPCC-2 AT CH: 331.727 m (F/CSB)
PROP. WEST CABIN AT CH: 341.95 m (F/CSB)
PROP. TPTC-2 AT CH: 376.727 m (F/CSB)
~~EXG. STR. (L. NO. 1&2) AT CH: 380.80 m (F/CSB)~~ TO BE TAKEN OUT
EXG. LC NO.69, 'C' CLASS (M)
AT KM.- 329/33-35 CH: 385.99M (F/CSB)
TO BE EXTENDED AS PER REQUIREMENT
ANNEXURE 9/1 PARA 904 OF IRPWM
EXG. TS AT CH: 411.30 m (F/CSB)
EXG. FM AT CH: 422.50 m (F/CSB)
~~EXG. DE AT CH: 463.89 m (F/CSB)~~ TO BE TAKEN OUT
EXG. POINT AT CH: 503.10 m (F/CSB)
~~EXG. POINT AT CH: 524.50 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. FM AT CH: 533.80 m (F/CSB)~~ TO BE TAKEN OUT
EXIST. BR NO. 175 (1x3.66m FC SLAB/ARCH)
AT Km.- 330/01-03, CH: 563.40m (F/CSB)
TO BE EXTENDED AS 1 x 4.0m RCC BOX
~~EXG. FM AT CH: 600.00 m (F/CSB)~~ TO BE TAKEN OUT
~~EXG. POINT AT CH: 614.10 m (F/CSB)~~ TO BE TAKEN OUT
PROP. POINT & FM AT CH: 620.60m (F/CSB)
PROP. POINT & FM AT CH: 712.68m (F/CSB)
PROP. DN LOOP LINE CURVE (LH)
Delta = 3°1'0"
Curve Angle = 1°
Radius= 1750.0m
TL = 46.080 m
TCL = 137.139 m
TRL = 45.0 m
V MINM=120KmPH
PROP. DN LOOP LINE CURVE (RH)
Delta = 3°1'0"
Curve Angle = 1°
Radius= 1750.0m
TL = 46.080 m
TCL = 137.139 m
TRL = 45.0 m
V MINM=120KmPH

FORM - XVII GAUGE - 1676 MM

INFRINGEMENT AND MAXIMUM & MINIMUM DIMENSION (GRADIENT WITH STATION LIMITS)

SL. NO.	LOCATION		NAME OF STRUCTURE WHICH INFRINGE	PRESCRIBED MAXIMUM		EXISTING ACTUAL DIMENSION	AMOUNT OF INFRINGEMENT	PARTICULAR OF SANCTION OF INFRINGEMENT AND REMARKS
	DIVISION & SECTION	KILOMETERAGE		CHAPTER ITEMS	MAXIMUM/ MINIMUM			
		NIL	NIL			NIL	NIL	NIL

GRADIENT POST

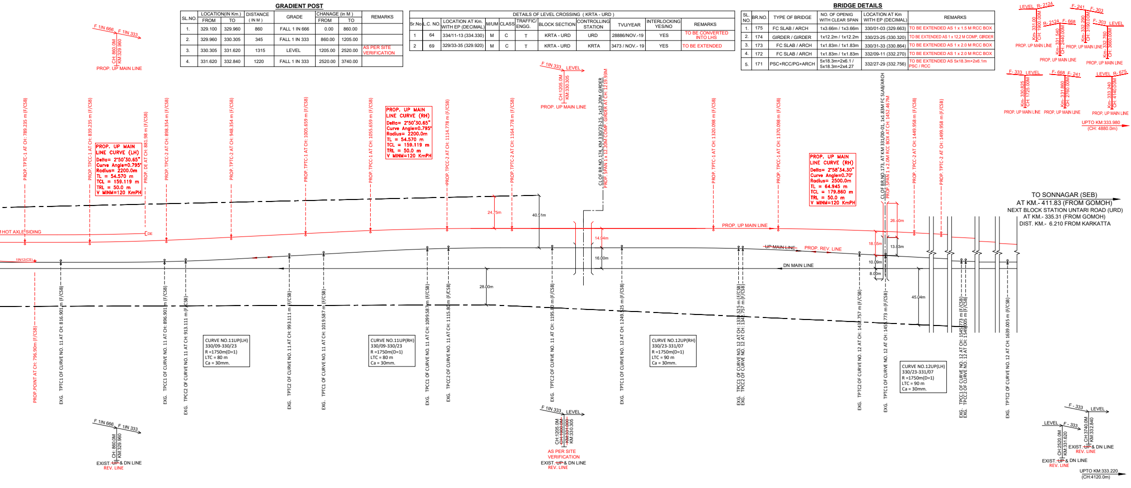
SL.NO.	LOCATION(IN Km.) FROM	LOCATION(IN Km.) TO	DISTANCE (IN M)	GRADE	CHANAGE (in M) FROM	CHANAGE (in M) TO	REMARKS
1.	329.100	329.960	860	FALL 1 IN 666	0.00	860.00	
2.	329.960	330.305	345	FALL 1 IN 333	860.00	1205.00	
3.	330.305	331.620	1315	LEVEL	1205.00	2520.00	AS PER SITE VERIFICATION
4.	331.620	332.840	1220	FALL 1 IN 333	2520.00	3740.00	

DETAILS OF LEVEL CROSSING (KRTA - URD)

Sr.No	L.C. NO.	LOCATION AT Km. WITH EP (DECIMAL)	M/UM	CLASS	TRAFFIC/ ENGG.	BLOCK SECTION	CONTROLLING STATION	TVU/YEAR	INTERLOCKING YES/NO	REMARKS
1	64	334/11-13 (334.330)	M	C	T	KRTA - URD	URD	28886/NOV.-19	YES	TO BE CONVERTED INTO LHS
2	69	329/33-35 (329.920)	M	C	T	KRTA - URD	KRTA	3473 / NOV.- 19	YES	TO BE EXTENDED

BRIDGE DETAILS

SL. NO.	BR.NO.	TYPE OF BRIDGE	NO. OF OPENIG WITH CLEAR SPAN	LOCATION AT Km WITH EP (DECIMAL)	REMARKS
1.	175	FC SLAB / ARCH	1x3.66m / 1x3.66m	330/01-03 (329.663)	TO BE EXTENDED AS 1 x 1.5 M RCC BOX
2.	174	GIRDER / GIRDER	1x12.2m / 1x12.2m	330/23-25 (330.320)	TO BE EXTENDED AS 1 x 12.2 M COMP. GIRDER
3.	173	FC SLAB / ARCH	1x1.83m / 1x1.83m	330/31-33 (330.864)	TO BE EXTENDED AS 1 x 2.0 M RCC BOX
4.	172	FC SLAB / ARCH	1x1.83m / 1x1.83m	332/09-11 (332.270)	TO BE EXTENDED AS 1 x 2.0 M RCC BOX
5.	171	PSC+RCC/PG+ARCH	5x18.3m+2x6.1 / 5x18.3m+2x4.27	332/27-29 (332.756)	TO BE EXTENDED AS 5x18.3m+2x6.1m PSC / RCC


F 1IN 666
F 1IN 333
CH: 860.0M
KM 329.960
PROP. UP MAIN LINE
F 1IN 333
LEVEL
CH:1205.0M
KM:330.305
LEVEL R- 2124
F- 241
F- 303
F- 668
F- 333
LEVEL
F- 668
F- 241
LEVEL
R- 675
PROP. UP MAIN LINE
UPTO KM:333.980
(CH: 4880.0m)
PROP. TPTC-1 AT CH: 789.235 m (F/CSB)
PROP. TPCC-1 AT CH: 839.235 m (F/CSB)
PROP. DE AT CH: 881.98 m (F/CSB)
PROP. TPCC-2 AT CH: 898.354 m (F/CSB)
PROP. TPTC-2 AT CH: 948.354 m (F/CSB)
PROP. TPTC-1 AT CH: 1005.659 m (F/CSB)
PROP. TPCC-1 AT CH: 1055.659 m (F/CSB)
PROP. TPCC-2 AT CH: 1114.778 m (F/CSB)
PROP. TPTC-2 AT CH: 1164.778 m (F/CSB)
PROP. TPTC-1 AT CH: 1320.098 m (F/CSB)
PROP. TPCC-1 AT CH: 1370.098 m (F/CSB)
PROP. TPCC-2 AT CH: 1449.958 m (F/CSB)
PROP. TPTC-2 AT CH: 1499.958 m (F/CSB)
PROP. UP MAIN LINE CURVE (LH)
Delta= 2°50'30.65"
Curve Angle=0.795°
Radius= 2200.0m
TL = 54.570 m
TCL = 159.119 m
TRL = 50.0 m
V MINM=120 KmPH
PROP. UP MAIN LINE CURVE (RH)
Delta= 2°50'30.65"
Curve Angle=0.795°
Radius= 2200.0m
TL = 54.570 m
TCL = 159.119 m
TRL = 50.0 m
V MINM=120 KmPH
PROP. UP MAIN LINE CURVE (RH)
Delta= 2°58'34.30"
Curve Angle=0.70°
Radius= 2500.0m
TL = 64.945 m
TCL = 179.860 m
TRL = 50.0 m
V MINM=120 KmPH
CL OF BR.NO.174, KM 330/23-25, 1x12.20M GIRDER
PROP. SPAN 1 x 12.20M COMP. GIRDER AT CH: 1219.93M
CL OF BR.NO.173, AT KM 331/00-01, 1x1.83M FC SLAB/ARCH
PROP. SPAN 1 x 2.0M RCC BOX AT CH: 1452.467M
HOT AXLE SIDING
DE
PROP. UP MAIN LINE
UP MAIN LINE
PROP. REV. LINE
DN MAIN LINE
24.75m
40.51m
14.04m
16.00m
28.00m
26.40m
18.55m
13.83m
10.09m
8.00m
45.04m
TO SONNAGAR (SEB)
AT KM.- 411.83 (FROM GOMOH)
NEXT BLOCK STATION UNTARI ROAD (URD)
AT KM.- 335.31 (FROM GOMOH)
DIST. KM.- 6.210 FROM KARKATTA
PROP. POINT AT CH: 796.90m (F/CSB)
EXG. TPTC1 OF CURVE NO. 11 AT CH: 816.901 m (F/CSB)
EXG. TPCC1 OF CURVE NO. 11 AT CH: 896.901 m (F/CSB)
EXG. TPCC2 OF CURVE NO. 11 AT CH: 913.111 m (F/CSB)
EXG. TPTC2 OF CURVE NO. 11 AT CH: 993.111 m (F/CSB)
EXG. TPTC1 OF CURVE NO. 11 AT CH: 1019.587 m (F/CSB)
EXG. TPCC1 OF CURVE NO. 11 AT CH: 1099.587 m (F/CSB)
EXG. TPCC2 OF CURVE NO. 11 AT CH: 1115.80 m (F/CSB)
EXG. TPTC2 OF CURVE NO. 11 AT CH: 1195.80 m (F/CSB)
EXG. TPTC1 OF CURVE NO. 12 AT CH: 1249.125 m (F/CSB)
EXG. TPCC1 OF CURVE NO. 12 AT CH: 1339.525 m (F/CSB)
EXG. TPCC2 OF CURVE NO. 12 AT CH: 1341.757 m (F/CSB)
EXG. TPTC2 OF CURVE NO. 12 AT CH: 1431.757 m (F/CSB)
EXG. TPTC1 OF CURVE NO. 12 AT CH: 1455.773 m (F/CSB)
EXG. TPCC1 OF CURVE NO. 12 AT CH: 1545.773 m (F/CSB)
EXG. TPCC2 OF CURVE NO. 12 AT CH: 1549.005 m (F/CSB)
EXG. TPTC2 OF CURVE NO. 12 AT CH: 1639.005 m (F/CSB)
CURVE NO.11UP(LH)
330/09-330/23
R =1750m(D=1)
LTC = 80 m
Ca = 30mm.
CURVE NO.11UP(RH)
330/09-330/23
R =1750m(D=1)
LTC = 80 m
Ca = 30mm.
CURVE NO.12UP(RH)
330/23-331/07
R =1750m(D=1)
LTC = 90 m
Ca = 30mm.
CURVE NO.12UP(LH)
330/23-331/07
R =1750m(D=1)
LTC = 90 m
Ca = 30mm.
F 1IN 666
F 1IN 333
CH: 860.0M
KM 329.960
EXIST. UP & DN LINE
REV. LINE
F 1IN 333
LEVEL
CH:1205.0M
KM:330.305
AS PER SITE VERIFICATION
EXIST. UP & DN LINE
REV. LINE
LEVEL
F- 333
CH:2520.0M
KM:331.620
F- 333
LEVEL
CH:3740.0M
KM:332.840
EXIST. UP & DN LINE
REV. LINE
UPTO KM:333.220
(CH:4120.0m)

LEGEND:

1. RAILWAY LAND BOUNDARY	– ▬ ▬
2. EXISTING WORK	– ────
3. DISMANTLED WORK	– ─ ─ ─
4. PROPOSED WORK	– 🟥

NOTES :-

1. ALL DIMENSIONS ARE IN MM, EXCEPT OTHERWISE AS SPECIFIED.
2. THIS DRAWING IS PREPARED BASED ON ACTUAL SITE SURVEY REPORT AND PREVIOUS CE'S DRG. NO:- Y-52-2019 (DRM/MGS PLAN NO- 22 - 2019)
3. CH:0.00 IS RECKONED FOR C.L OF EXISTING STATION BUILDING.
4. STATION IS IN "NSG-6" CATEGORY.
5. EXISTING LINES RENUMBERED.
6. ELECTRIFICATION OF THIRD LINE WILL BE DONE BY RVNL. ANY MODIFICATION REQUIRED IN EXISTING OHE WILL BE DONE BY RVNL.
7. MINIMUM PASSENGERS AMENITY WILL BE PROVIDED AS PER CIRCULAR NO. 2018/LM(PA)/03-06, DATED 09-04-2018 INCLUDING AMENITIES FOR DISABLED AS PER (PARA 10)
8. TRACK MACHINE SIDING IS AVAILABLE AT NEXT STATION SATBAHINI AT KM.- 340.240 (11.14 Km FROM KARKATTA).
9. 1:1200 GRADE IS NOT FEASIBLE AS THE EXISTING LINES ARE IN STEEPER GRADE.
10. IT IS CERTIFIED THAT NO CHANGE OF GRADIENT WITHIN 30 M OF POINT & XING AS PER IRSOD AND NO POINT IS TAKING OFF FROM TRANSITION PORTION OF CURVE AS PER IRPWM.
11. BEFORE EXECUTION OF WORK AT SITE DM- CONSENT MUST BE OBTAINED FOR CLOSER OF L-XING.
12. THIS DRAWING SUPERSEDES CE'S DRAWING No.-Y-52-2019

TRACK STRUCTURE:

1. RAILS- 60KG
2. SLEEEPERS- MONO BLOCK PSC WITH 1660 NOS. PER KM. FOR MAIN LINE & 1540 NOS. PER KM FOR LOOP LINE & OTHER.
3. POINT AND CROSSINGS- 60 KG (1 IN 12) CURVED SWITCH WITH CMS CROSSING PSC SLEEPERS (FAN SHAPED LAYOUT)
4. BALLAST- 50mm SIZE 350mm CUSHION (HARD STONE)
5. ALL FITTINGS TO CONFIRM IRS SPECIFICATION.
6. ALL THE PROPOSED POINTS ARE TWS.

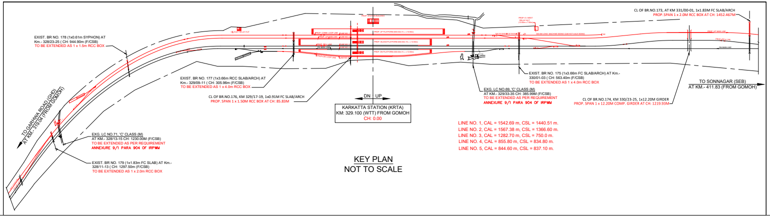
Signature block

CPDE	BRIJESH KUMAR SINGH Date: 2022.02.16 20:03:15 +05'30'
CTPM/ECR	NEERAJ AMBASTHA 2022.02.17 15:47:36+05'30'
DRM/MGS	RAJESH KUMAR PANDEY Digitally signed by RAJESH KUMAR PANDEY Date:2022.01.05 03:15:49 +05'30'
Sr.DEN/Co/MGS	WARIJ NAYAN Digitally signed by WARIJ NAYAN Date:2021.12.30 01:46:02 +05'30'
SrDOM/MGS	SUDHANSU RANJAN Digitally signed by SUDHANSU RANJAN Date:2021.12.31 06:30:30 +05'30'
SrDSTE CO MGS	BRIJESH KUMAR YADAV Digitally signed by BRIJESH KUMAR YADAV Date:2021.12.30 06:08:17 +05'30'
SrDCM/MGS	RUPESH KUMAR Digitally signed by RUPESH KUMAR Date:2021.12.31 12:48:50 +05'30'
SrDEE/TRD/MGS	INDU PRAKASH Digitally signed by INDU PRAKASH Date:2021.12.30 05:06:22 +05'30'
SrDEE/G/MGS	KARPOOR CHANDRA YADAV Digitally signed by KARPOOR CHANDRA YADAV Date:2021.12.30 01:59:16 +05'30'
SrDEN/3/MGS	Mohit Sahu Digitally signed by Mohit Sahu Date:2021.12.30 01:37:12 +05'30'
SSE/DRG/S&T/1/MGS	Ajay Kumar Saha Digitally signed by Ajay Kumar Saha Date:2021.12.30 04:45:50 +05'30'
JE/2/DRG/MGS	VISHAL KUMAR YADAV Digitally signed by VISHAL KUMAR YADAV Date:2021.12.30 01:34:03 +05'30'
CPM/PATNA/RVNL	KRISHNA KUMAR BHARGAVA Digitally signed by KRISHNA KUMAR BHARGAVA Date:2021.08.27 10:08:30 +05'30'
GM/S&T/RVNL/BSB	RAJESH KUMAR SINGH Digitally signed by RAJESH KUMAR SINGH Date:2021.08.28 11:12:30 +05'30'
Manager/Civil/Exp/ RVNL/PNBE	VINOD KUMAR VERMA Digitally signed by VINOD KUMAR VERMA Date:2021.08.27 08:07:52 +05'30'

REFERENCE LINE

100.0 M

THIS PLAN IS ONLY PRINTED TO SCALE IF THIS LINE MEAURES 100 METER


EXIST. BR NO. 178 (1x0.61m SYPHON) AT
Km.- 328/23-25 (CH: 944.90m (F/CSB)
TO BE EXTENDED AS 1 x 1.5m RCC BOX
EXIST. BR NO. 177 (1x3.66m RCC SLAB/ARCH) AT
Km.- 329/09-11 (CH: 305.96m (F/CSB)
TO BE EXTENDED AS 1 x 4.0m RCC BOX
CL OF BR.NO.176, KM 329/17-19, 1x0.91M FC SLAB/ARCH
PROP. SPAN 1 x 1.50M RCC BOX AT CH: 85.83M
TO GARHWA ROAD (GHD)
AT KM.- 319.04 (FROM GOMOH)
EXG. LC NO.71, 'C' CLASS (M)
AT KM.- 328/13-15 CH: 1230.00M (F/CSB)
TO BE EXTENDED AS PER REQUIREMENT
ANNEXURE 9/1 PARA 904 OF IRPWM
EXIST. BR NO. 179 (1x1.83m FC SLAB) AT Km.-
328/11-13 (CH: 1297.50m (F/CSB)
TO BE EXTENDED AS 1 x 2.0m RCC BOX
DN
UP
KARKATTA STATION (KRTA)
KM: 329.100 (WTT) FROM GOMOH
CH: 0.00
EXIST. BR NO. 175 (1x3.66m FC SLAB/ARCH) AT Km.-
330/01-03 (CH: 563.40m (F/CSB)
TO BE EXTENDED AS 1 x 4.0m RCC BOX
EXG. LC NO.69, 'C' CLASS (M)
AT KM.- 329/33-35 CH: 385.99M (F/CSB)
TO BE EXTENDED AS PER REQUIREMENT
ANNEXURE 9/1 PARA 904 OF IRPWM
CL OF BR.NO.174, KM 330/23-25, 1x12.20M GIRDER
PROP. SPAN 1 x 12.20M COMP. GIRDER AT CH: 1219.93M
CL OF BR.NO.173, AT KM 331/00-01, 1x1.83M FC SLAB/ARCH
PROP. SPAN 1 x 2.0M RCC BOX AT CH: 1452.467M
TO SONNAGAR (SEB)
AT KM.- 411.83 (FROM GOMOH)

LINE NO. 1, CAL = 1542.69 m, CSL = 1440.51 m.
LINE NO. 2, CAL = 1567.38 m, CSL = 1366.60 m.
LINE NO. 3, CAL = 1282.70 m, CSL = 750.0 m.
LINE NO. 4, CAL = 855.80 m, CSL = 834.80 m.
LINE NO. 5, CAL = 844.60 m, CSL = 837.10 m.

KEY PLAN
NOT TO SCALE

पूर्व मध्य रेलवे
डी.डी.यू. मंडल
EAST CENTRAL RAILWAY
DDU DIVISION

EXECUTED BY:-
रेल विकास निगम लिमिटेड
RAIL VIKAS NIGAM LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

PROJECT:- CONSTRUCTION OF 3rd LINE BETWEEN
SONNAGAR (SEB) - GARHWA ROAD (GHD)
सोननगर से गढवा रोड के बीच तीसरी लाईन परियोजना

TITLE :
ENGINEERING SCALE PLAN KARKATTA (KRTA) करकटा
STATION YARD AT Km.- 329.100 (FROM GOMOH)

AUTHORITY OF WORK: PINK BOOK ITEM No. 49/2018-19 (50/2021-22)
CES. DRG. No. : Y - 23 - 2022
DIV. DRG. No. : DRM / DDU PLAN NO- 06 - 2022
RVNL. DRG. No. : RVNL / CPM / PNBE / 16 - 2021
SCALE :- 1 : 1000
PREPARED BY:-