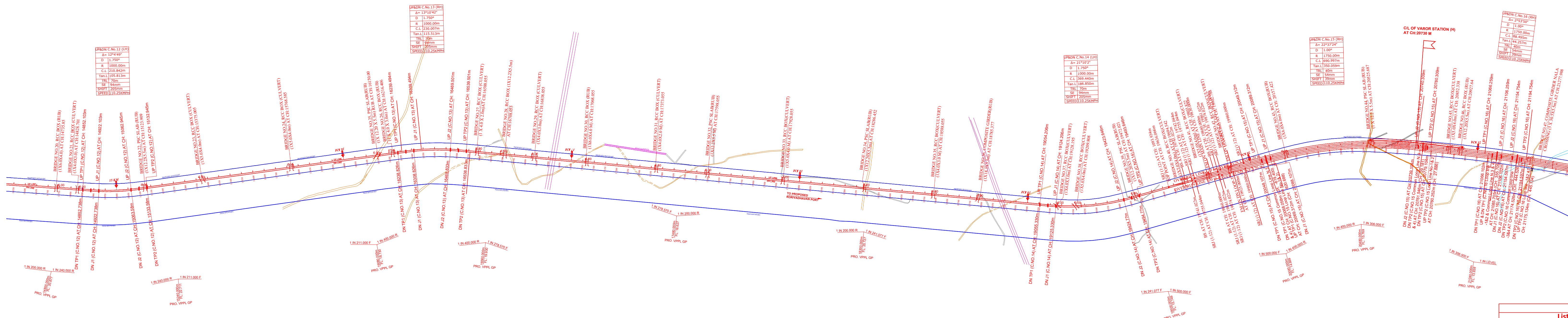


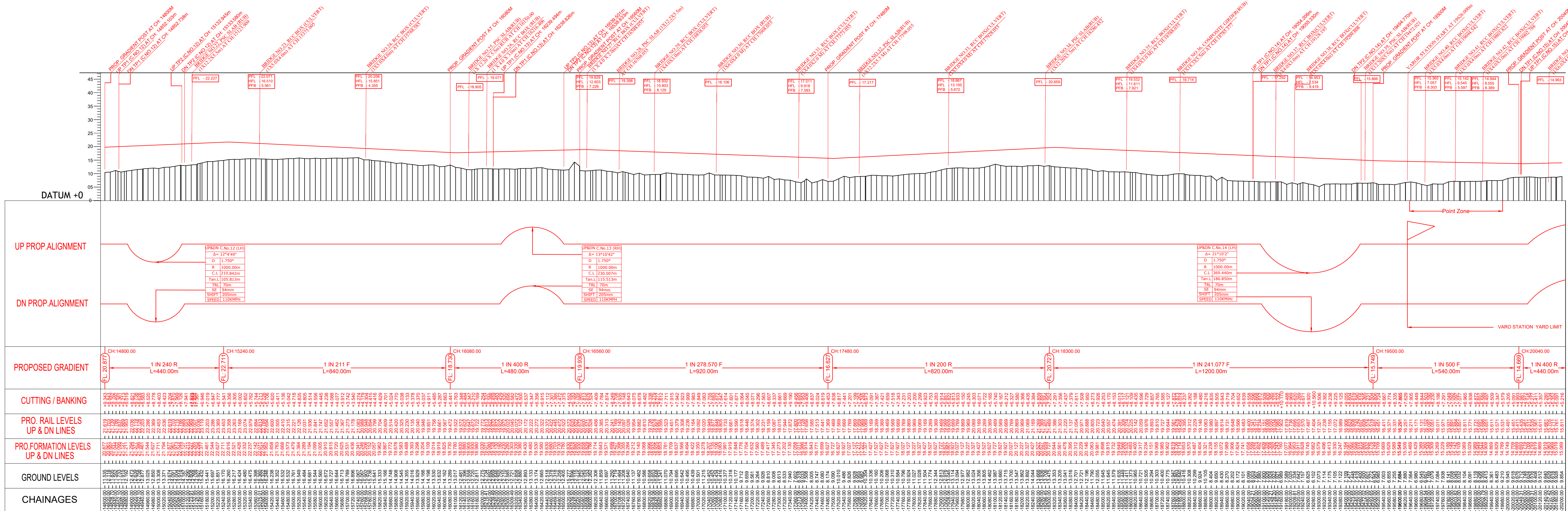
1. ALL CHANGES ARE SHOWN IN METRES.
2. EXISTING WORK SHOWN IN BLACK.
3. PROPOSED WORK SHOWN IN RED.
4. PROPOSED BOUNDARY SHOWN IN BLUE.
5. ALL THE LEVELS ARE CONNECTED WITH GTS BENCH MARK.
6. LAND BOUNDARY DISTANCE IN PLAN ARE THE PERPENDICULAR OFFSET FROM THE NEAREST TRACK CENTER AND ARE ONLY FOR ACCURATE.
7. THE CHANGE AND EXISTING LEVELS GIVEN IN THE WORKING SECTION ARE ACTUALLY MEASURED AND VERIFIED AT SITE.
8. THE PROPOSED SPEED OF SECTION IS 110 KM/H.
9. THE RULING GRADIENT OF THIS SECTION IS 1 IN 200.
10. NECESSARY CHANGE ARRANGEMENTS TO RAIL SITE CONDITIONS WILL BE PROVIDED AS PER STANDARD BY ENGINEER-IN-CHARGE.
11. MINIMUM 5.00M TRACK CENTER SHOULD BE ENSURED AFTER CROSSING ALLOWANCES AND SLEW.
12. THE CHANGE IS RECHECKED AT PALGARH STATION HECTO METRE POST AS 000000.



S.No	Curve No	UP OR DN	LH OR RH	TP-1	J-1	J-2	TP-3	DELTA	RADIUS [METERS]	TL	TCL	CL	CGL	TRL	CANT DEFICIENCY [MM]	CANT [MM]	SHIFT [MM]	SPEED [KM/H]
1	12	UP	LH	14852.103	14822.103	15002.945	15132.945	2°44'28.24"	1000.000	1.750	102.813	280.842	210.842	140.842	70.000	110.250	94	205.000
2	12	DN	LH	14852.738	14822.738	15003.580	15133.580	2°44'28.24"	1000.000	1.750	102.813	280.842	210.842	140.842	70.000	110.250	94	205.000
3	13	UP	RH	16228.494	16208.494	16409.601	16539.601	3°10'42.348"	1000.000	1.750	115.513	300.007	230.007	160.007	70.000	110.250	94	205.000
4	13	DN	RH	16228.820	16208.820	16409.833	16539.833	3°10'42.348"	1000.000	1.750	115.513	300.007	230.007	160.007	70.000	110.250	94	205.000
5	14	UP	LH	18054.206	18034.206	18235.648	18365.648	2°10'22.47"	1000.000	1.750	186.850	439.440	369.440	299.440	70.000	110.250	94	205.000
6	14	DN	LH	18055.330	18035.330	18236.770	18366.770	2°10'22.47"	1000.000	1.750	186.850	439.440	369.440	299.440	70.000	110.250	94	205.000
7	15	UP	RH	20048.912	20028.912	20230.360	20360.360	2°37'24.778"	1750.000	1.000	350.059	730.997	600.997	450.997	40.000	110.250	54	39.000
8	15	DN	RH	20049.107	20029.107	20230.555	20360.555	2°37'24.778"	1750.000	1.000	350.059	730.997	600.997	450.997	40.000	110.250	54	39.000
9	16	UP	RH	21066.259	21046.259	21247.704	21377.704	2°53'50.517"	1750.000	1.000	44.257	128.495	88.495	48.495	40.000	110.250	54	39.000
10	16	DN	RH	21066.102	21046.102	21247.597	21377.597	2°53'50.517"	1750.000	1.000	44.257	128.495	88.495	48.495	40.000	110.250	54	39.000

SR. NO	TYPE OF INFILTRATION	CHAPTER & ITEM	FROM CHANGING	TO CHANGING	TOTAL LENGTH	REMARKS
1	GRADIENT IN YARD STEEPER THAN 1 IN 400	RSOD CH-II PARA 2	20480.00 M	21040.00 M	560.00 M	The existing grade is already steeper than 1:400. To minimize the filling, this grade has been kept.
2	GRADE IN 240	RSOD CH-II PARA 2	21440.00 M	21823.934 M	383.934 M	

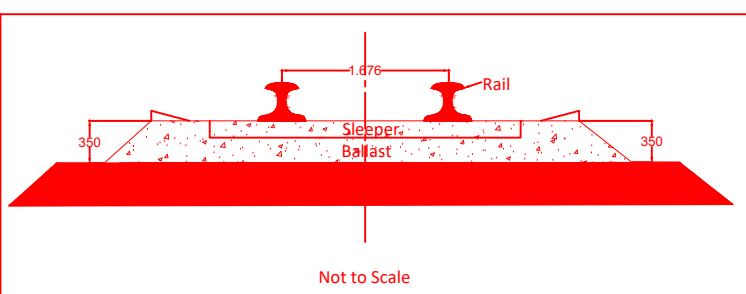
Point ID	Change	Easting	Northing	Elevation	Remarks
GPS-1	14852.103	20000.00	14852.103	14852.103	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-2	14852.738	20000.00	14852.738	14852.738	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-3	15132.945	20000.00	15132.945	15132.945	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-4	15133.580	20000.00	15133.580	15133.580	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-5	16228.494	20000.00	16228.494	16228.494	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-6	16228.820	20000.00	16228.820	16228.820	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-7	16409.601	20000.00	16409.601	16409.601	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-8	16409.833	20000.00	16409.833	16409.833	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-9	18054.206	20000.00	18054.206	18054.206	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-10	18055.330	20000.00	18055.330	18055.330	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-11	18235.648	20000.00	18235.648	18235.648	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-12	18236.770	20000.00	18236.770	18236.770	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-13	20048.912	20000.00	20048.912	20048.912	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-14	20049.107	20000.00	20049.107	20049.107	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-15	20230.360	20000.00	20230.360	20230.360	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-16	20230.555	20000.00	20230.555	20230.555	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-17	21066.259	20000.00	21066.259	21066.259	A Point Located On Suburb of Kadan to Chinchani BT Road
GPS-18	21066.102	20000.00	21066.102	21066.102	A Point Located On Suburb of Kadan to Chinchani BT Road






SR. NO	Proposed Change (m)	Proposed Br. No	Type	PFL	Bed Level	HEEL	Safe Level	Clearance (m)	Head Room (m)	Type of Bridge	Remarks
1	14852.103	20	RCC BOX	20.000	14.852	12.355	14.852	2.500	2.500	Calvert	MINOR
2	15132.945	22	RCC BOX	22.000	15.133	12.355	15.133	2.780	2.780	Calvert	MINOR
3	15133.580	22	RCC BOX	22.000	15.133	12.355	15.133	2.780	2.780	Calvert	MINOR
4	16228.494	24	RCC BOX	24.000	16.228	15.851	16.228	3.377	3.377	Calvert	MINOR
5	16228.820	24	RCC BOX	24.000	16.228	15.851	16.228	3.377	3.377	Calvert	MINOR
6	16409.601	26	RCC BOX	26.000	16.410	15.851	16.410	3.559	3.559	Calvert	MINOR
7	16409.833	26	RCC BOX	26.000	16.410	15.851	16.410	3.559	3.559	Calvert	MINOR
8	18054.206	28	RCC BOX	28.000	18.054	17.724	18.054	3.330	3.330	Calvert	MINOR
9	18055.330	28	RCC BOX	28.000	18.054	17.724	18.054	3.330	3.330	Calvert	MINOR
10	18235.648	30	RCC BOX	30.000	18.236	17.724	18.236	3.512	3.512	Calvert	MINOR
11	18236.770	30	RCC BOX	30.000	18.236	17.724	18.236	3.512	3.512	Calvert	MINOR
12	20048.912	32	RCC BOX	32.000	20.049	19.398	20.049	3.651	3.651	Calvert	MINOR
13	20049.107	32	RCC BOX	32.000	20.049	19.398	20.049	3.651	3.651	Calvert	MINOR
14	20230.360	34	RCC BOX	34.000	20.231	19.398	20.231	3.833	3.833	Calvert	MINOR
15	20230.555	34	RCC BOX	34.000	20.231	19.398	20.231	3.833	3.833	Calvert	MINOR
16	21066.259	36	RCC BOX	36.000	21.066	20.724	21.066	3.342	3.342	Calvert	MINOR
17	21066.102	36	RCC BOX	36.000	21.066	20.724	21.066	3.342	3.342	Calvert	MINOR
18	21247.704	38	RCC BOX	38.000	21.248	20.724	21.248	3.524	3.524	Calvert	MINOR
19	21247.597	38	RCC BOX	38.000	21.248	20.724	21.248	3.524	3.524	Calvert	MINOR
20	21440.000	40	RCC BOX	40.000	21.440	20.724	21.440	3.706	3.706	Calvert	MINOR
21	21823.934	42	RCC BOX	42.000	21.824	20.724	21.824	3.888	3.888	Calvert	MINOR
22	21823.934	42	RCC BOX	42.000	21.824	20.724	21.824	3.888	3.888	Calvert	MINOR
23	22047.422	44	RCC BOX	44.000	22.047	21.398	22.047	3.649	3.649	Calvert	MINOR
24	22047.422	44	RCC BOX	44.000	22.047	21.398	22.047	3.649	3.649	Calvert	MINOR
25	22047.422	44	RCC BOX	44.000	22.047	21.398	22.047	3.649	3.649	Calvert	MINOR
26	22047.422	44	RCC BOX	44.000	22.047	21.398	22.047	3.649	3.649	Calvert	MINOR
27	22047.422	44	RCC BOX	44.000	22.047	21.398	22.047	3.649	3.649	Calvert	MINOR

SR. NO	DESCRIPTION	VALUE
01	RAIL (BG)	60 KG
02	SLEEPER	PSC (1880 Nos Per Km)
03	BALLAST	350 mm

MAJOR BRIDGES :-	0 NOS.
MINOR BRIDGES :-	23 NOS.
RAIL :-	9 NOS.
ROAD :-	0 NOS.
CURVES :-	3 NOS.



LEGENDS	
EXISTING WORK	
PROPOSED TRACK	
PROPOSED BOUNDARY	
EXISTING TRANSMISSION LINES	

Signature block	
CE-C-CCG	
DYCE-C-PLG-CCG	
AMEN-C-PLG-CCG	
DRM-AMCT	
ADRM-AMCT	
SRDM-CO-MMCT	
SRDM-AMMCT	
DYCE-C-CCG	HARISH MEENA
AMEN-C-CCG	MAHENDRA KUMAR
SSE-C-W-BVI	PRAMOD KUMAR RANA
SSE-C-PWAY-CCG	RAJESH WAGH
WESTERN RAILWAY (MUMBAI DIVISION)	
RAIL CONNECTIVITY BETWEEN VANGAON AND VADHAVAN PORT	
LONGITUDINAL SECTION OF PROPOSED OF DOUBLING LINE BETWEEN VANGAON AND VADHAVAN PORT FROM KM15.000 TO KM20.000	
SCALE: 1:10,000 (PLAN) 1:10,000 (ELEVATION)	SHEET NO. 4/5
DATE: 15/08/2024	
PREPARED BY: SATYA SERVICES AND SOLUTIONS PRIVATE LIMITED	
CHECKED BY: HEMANTH	
CHECKED BY: MAHENDER	
DRG NO CAO/C/CCG-E-20842-A-VGN-VADHAVAN-PORT	
DRG NO DRM-B-28569-14-F	