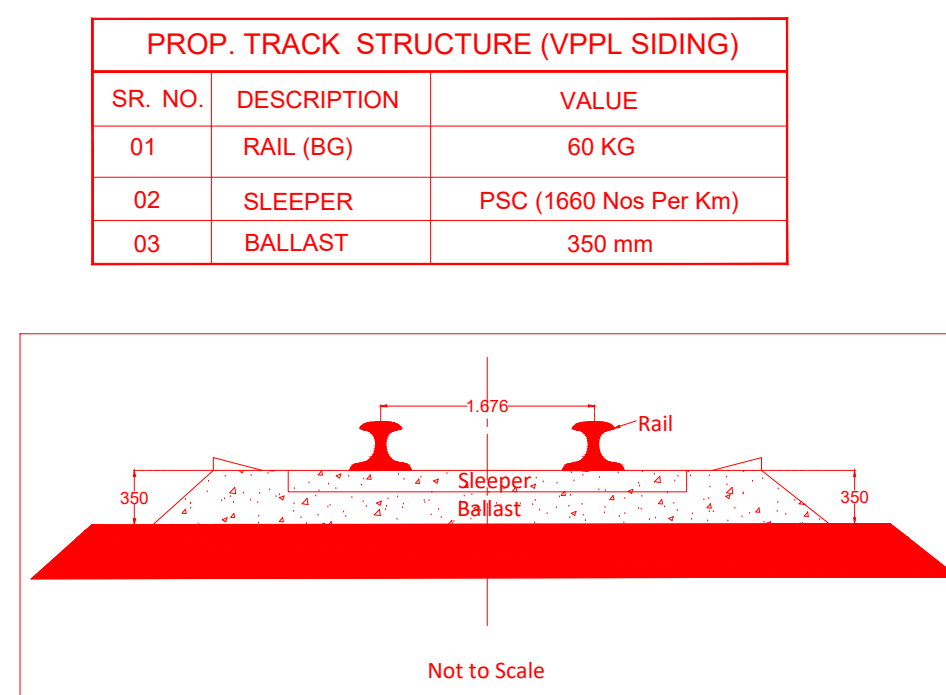


S.No	Curve No	UP OR DN	LH OR RH	TP-1	J-1	J-2	TP-2	DELTA	RADIUS	DEGREE	TL	TCL	CL	OCL	TRL	CANT DEFICIENCY (MM)	CANT (MM)	SHIFT (MM)	SPEED (KM/PH)
1	4	UP	LH	10673.958	10713.958	10765.639	10805.639	3°16'03"	1750.000	1.000	45.851	131.681	91.681	51.681	40.000	41.983	54	30.000	110.249
2	4	DN	LH	10805.192	10850.192	10895.318	10935.318	1°28'58.803"	1750.000	1.000	22.384	75.126	45.126	15.126	30.000	41.983	54	30.000	110.249
3	5	UP	RH	10911.514	10911.514	10967.132	11007.132	7°17'50.072"	1750.000	1.000	41.821	135.631	85.631	55.631	40.000	41.983	54	30.000	110.249
4	5	DN	RH	10996.137	10996.137	11015.188	11045.188	1°36'21.426"	1750.000	1.000	24.527	79.051	49.051	19.051	30.000	41.983	54	22.000	110.249
5	6	UP	RH	11015.188	11055.188	11079.370	11179.370	9°37'24.925"	9000.000	0.300	31.726	103.452	63.452	23.452	40.000	12.512	17	12.000	110.249
6	6	DN	LH	11017.397	11057.397	11077.345	11177.345	1°37'15.445"	1750.000	1.000	29.827	59.945	59.945	19.945	40.000	41.983	54	30.000	110.249
7	7	UP	LH	11760.141	11800.141	11823.446	11863.446	0°37'19.724"	4830.000	0.300	31.653	103.305	63.305	23.305	40.000	12.512	17	12.000	110.249
8	7	DN	RH	11762.345	11802.345	11823.037	11873.037	1°37'15.434"	1750.000	1.000	29.849	59.992	59.992	19.992	40.000	41.983	54	30.000	110.249
9	7	UP	RH	11938.179	11998.179	12035.299	12095.299	4°48'10.759"	1186.000	1.500	48.588	157.120	97.120	37.120	60.000	62.525	81	120.000	110.249
10	8	DN	RH	11937.924	11997.924	12035.044	12095.044	4°49'10.759"	1186.000	1.500	48.588	157.120	97.120	37.120	60.000	62.525	81	120.000	110.249
11	9	UP	LH	12425.923	12495.923	12551.115	12621.115	7°13'54.966"	9000.000	1.700	63.180	196.182	126.182	56.182	70.000	72.945	94	205.000	110.249
12	9	DN	LH	12425.902	12495.902	12552.094	12622.094	7°13'54.966"	9000.000	1.700	63.180	196.182	126.182	56.182	70.000	72.945	94	205.000	110.249
13	10	UP	RH	12837.779	12907.779	12945.444	13015.444	6°10'17.5"	1000.000	1.700	53.885	177.665	107.665	37.665	70.000	72.945	94	205.000	110.249
14	10	DN	RH	12837.456	12907.456	12945.121	13015.121	6°10'17.5"	1000.000	1.700	53.885	177.665	107.665	37.665	70.000	72.945	94	205.000	110.249
15	11	UP	LH	14122.083	14192.083	14235.992	14285.992	12°15'21.898"	1000.000	1.700	101.364	283.369	213.369	143.369	70.000	72.945	94	205.000	110.249
16	11	DN	LH	14122.127	14192.127	14236.036	14286.036	12°15'21.898"	1000.000	1.700	101.364	283.369	213.369	143.369	70.000	72.945	94	205.000	110.249
17	12	UP	LH	14852.103	14922.103	15062.945	15132.945	12°44'09.264"	1000.000	1.700	105.813	289.842	219.842	149.842	70.000	72.945	94	205.000	110.249
18	12	DN	LH	14852.738	14922.738	15063.580	15133.580	12°44'09.264"	1000.000	1.700	105.813	289.842	219.842	149.842	70.000	72.945	94	205.000	110.249

Sr. No.	Proposed Challenge (M)	Proposed Br. No.	Prop. Span	Type	PVI	Bed Level	HFI	Soft Level	Clearance (m)	Head Room (m)	Type of Bridge	Remarks
1	11360.500	13	UP Main Line 1x14.88+1x28.67+1x30.50+1x105.978+ 1x14.88+1x13.30+1x30.50+1x105.978 +2x30.50	RFO Span including Voidcut	26.483	13.576	-	25.083	-	-	RFO	RFO
2	13720.033	14	1x4.0x3.0m	RCC BOX	16.974	11.522	11.962	16.024	4.663	5.102	Calvert	MINOR
3	13735.946	15	1x12.2x5.5m	RCC BOX	16.997	12.135	-	15.817	-	3.682	Road Crossing	RUB
4	13972.120	16	1x5.0x4.0m	RCC BOX	17.199	8.970	9.539	16.599	7.900	7.600	Calvert	MINOR
5	14058.974	17	2x2x4.4m	Composite Girder	17.515	11.521	-	14.595	-	-	Road Crossing	MINOR
6	14198.285	18	1x5.0x4.0m	RCC BOX	18.054	8.073	8.173	17.454	9.281	9.381	Calvert	BOB
7	14280.226	19	1x4.0x3.0m	RCC BOX	18.395	8.558	9.008	16.045	9.037	9.487	Calvert	MINOR
8	14735.850	20	1x4.0x3.0m	RCC BOX	20.557	10.572	-	19.957	-	9.385	Can Road	RUB
9	14828.701	21	1x4.0x3.0m	RCC BOX	20.997	11.835	11.935	20.647	8.712	8.812	Calvert	MINOR

Vadhavan Port					
List Of Temporary BenchMarks (UTM Zone-43)					
Point Id	Chnange	Easting	Northing	Elevation	Remarks
TBM-16		265754.494	2198179.139	11.393	A Point Located on OHE Mast Foundation Near OHE No.109-16
TBM-17		265794.087	2198711.314	10.779	A Point Located on Anchor Foundation Near OHE No.142-22
TBM-18		265796.993	2199461.023	9.127	A Point Located on OHE Mast Foundation Near OHE No.110-24
TBM-19		265824.383	2200889.041	8.725	A Point Located on Vagvan Railway Station Platform
TBM-20		265863.050	2200624.937	8.826	A Point Located on Bridge Near OHE No.144-54
TBM-21		265935.362	2199308.296	7.806	A Point Located on Pipe
TBM-22	12038	264931.940	2199251.333	11.064	A Point Located On Kavalai to Vagvan RT Road
TBM-23	13791.2	264138.037	2199030.346	12.037	A Point Located On Nagaraj to Chinchani RT Road
GPS-7A	13892.9	264192.15	2199295.56	9.261	A Point Located On Kottim to Chinchani RT Road
GPS-7	13935.9	264114.9	2199295.41	9.433	A Point Located On Calvert of Kottim to Chinchani RT Road
GPS-8A	15158.2	263971.08	2200005.08	17.58	A Point Located On Bavade to Chinchani to Vagvan RT Road

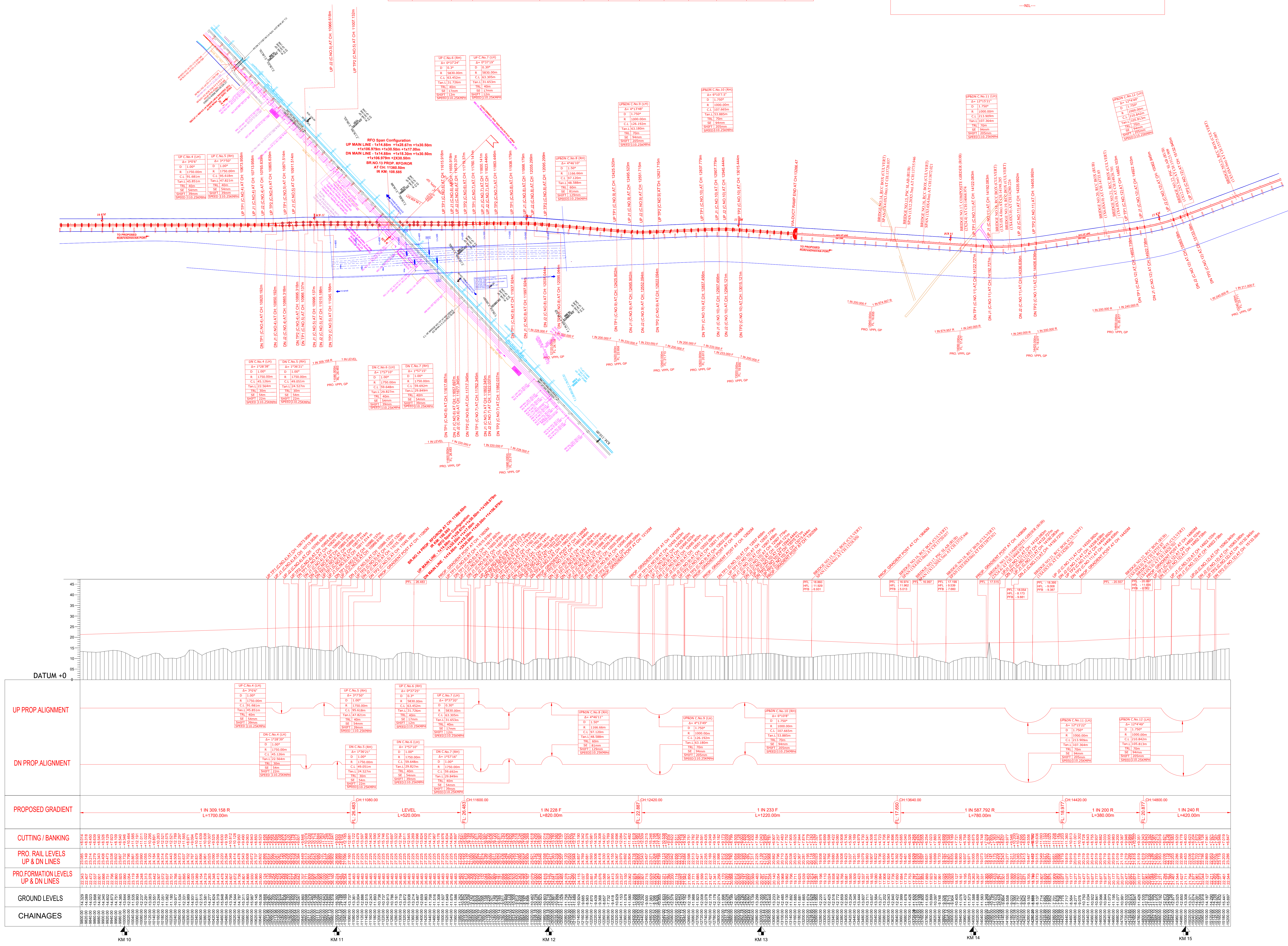


S.NO.	DESCRIPTION	TOTAL DISTANCE	AS PER SOD	AMOUNT OF INFIRMING	REMARKS
---NIL---					

- NOTES :
1. ALL DIMENSIONS ARE GIVEN IN METERS.
 2. EXISTING WORK SHOWN IN BLACK.
 3. PROPOSED WORK SHOWN IN RED.
 4. PROPOSED BENCHMARK SHOWN IN GREEN.
 5. EXISTING BENCHMARK SHOWN IN BLUE.
 6. EXISTING TRACK LINE SHOWN IN DOTTED LINE.
 7. PROPOSED TRACK LINE SHOWN IN SOLID LINE.
 8. APPROACH ROAD FOR EXIST. NEW PADANGI RAILWAY STATION SHOWN IN CYAN.
 9. LAND BOUNDARY DISTANCE IN PLAN ARE THE PERPENDICULAR OFFSET FROM THE ADJACENT PROPERTY OWNERS BOUNDARY.
 10. THE CHAINAGE AND ELEVATION LEVELS GIVEN IN THE WORKING SECTION ARE ACTUAL MEASUREMENTS AND VERIFIED AT SOD.
 11. THE PROPOSED BENCHMARK IS SHOWN IN RED.
 12. THE PROPOSED BENCHMARK IS SHOWN IN RED.
 13. NECESSARY CHANGE ARRANGEMENTS TO SUIT SITE CONDITIONS WILL BE PROVIDED AFTER THE TRACK LAYOUT IS FINALIZED.
 14. THE CHAINAGE AND ELEVATION LEVELS GIVEN IN THE WORKING SECTION ARE ACTUAL MEASUREMENTS AND VERIFIED AT SOD.
 15. THE CHAINAGE OF PVI IS CONSIDERED FROM HYDRAULIC REPORTS.
 16. CAD (C) APPROVAL REQUIRED IN CURVES AS SPEED POTENTIAL LESS THAN 130 KM/PH.

LEGENDS

EXISTING WORK	
PROP. VPPL LINE	
EXG. MRVC LINE	
EXG. DPCC LINE	
PROP. DPCC FUTURE LINE	
PROP. DPCC LOOP LINE	
EXG. DPCC BOUNDARY	
PROPOSED VPPL BOUNDARY	
APPROACH ROAD FOR DPCC STN	
EXISTING TRANSMISSION LINES	



DRAWING NO.	DRM B no. 28503/15-F
DRAWING NO.	CAO/C/CGE-28941-A-VGN-VADHAVAN PORT
WESTERN RAILWAY (MUMBAI DIVISION)	
RAIL CONNECTIVITY BETWEEN VAGVAN AND VADHAVAN PORT	
LONGITUDINAL SECTION OF PROVISION OF DOUBLING LINE BETWEEN VAGVAN AND VADHAVAN PORT FROM KM.10.000 TO KM.15.000	
SCALE:	H=1:50000, V=1:5000
SHEET NO.	35
DATE:	
DESIGNED BY:	SATRA SERVICES AND SOLUTIONS PRIVATE LIMITED
CHECKED BY:	OFFICE OF THE CHIEF ENGINEER, VADHAVAN PORT
APPROVED BY:	OFFICE OF THE CHIEF ENGINEER, VADHAVAN PORT
PREPARED BY:	NAME
CHECKED BY:	SIGNATURE
Signature block	
CE-PLG-CCG	
DYCE-PLG-II-CCG	
AXEN-PLG-CCG	
SSE-PLG-IV-CCG	
CE-C-CCG	
DYCE-C-CCG	YASHPAL KUMAR
AXEN-C-PLG-CCG	VISHVA PRASAD YADAV
DRM-MMT	PAVKA KUMAR SINGH
ADRM-MMT	Madhusudan Singh
SRDEN-CO-MMT	HIMANSHU SHARMA
SRDEN-MMT	VINDRA KUMAR MEENA
DYCE-C-CCG	DSC BY HARISH MEENA 26.12.2025 17:21:38
AXEN-C-II-CCG	DSC BY MAHENDRA KUMAR 24.12.2025 10:33:42
SSE-C-II-CCG	DSC BY PRANOD KUMAR RANA 19.12.2025 14:57:30