

SECTION DETAILS (13 SEP 2021)

Sectional Details (Figures in Kms.)

Main line	Branch line	Total
601.41	352.546	953.956

(a) Mainline (Double+Single) (All figures in Kms)

Section	From	To	Total Kms
ET - AMF	750	874.68	124.68
AMF - NGP	874.68	1042.15	167.47
NGP - SEGM	760.57	836.79	76.22
SEGM - BPQ	760.57	893	132.43
SEGM - BD	665	760.57	95.57
WR - CHJC	758.09	762.07	3.98
HWH - NGP	1130.03	1131.09	1.06
			601.41

(b) (i) Branch Line (Double+Single) (B.G):

Section	From	To	Total Kms
AMF - CWA	874.68	989.85	115.17
BTBR - URR	809.35	843.06	33.71
TAE - GGS	861.9	876.01	14.11
TAE- Chord line	0	1.25	1.25
MJRI-WANI - PMKT	842.57	922.77	80.2
CD Fort-BPQ	1250.595	1251.437	0.842
WUN-RAJR	855.79	862.84	7.05
NRKR-Chandur Bazar	705.529	800.963	95.434
GNQ-KRDH Chord line	1036.31	1041.09	4.78
			352.546

(c) Mainline (3rd / 4th line) (All figures in Kms)

Section	From	To	Total Kms
CHJC-SNN 3 rd Line	762.140	775.250	13.110
SNI-BTBR 3 rd Line	790.028	809.350	19.322
SNI-BTBR 4 th Line	790.028	809.350	19.322
CCD-TEO 3 rd Line	912.930	929.460	16.530
TOTAL			68.284

Total Main Line Track Length : 1618.61 TKm

(d) Sidings:

Siding	Nos.	Route length in Kms	Total Length in Kms
Private Sidings	22	101.616	227.144
Assisted Sidings (WCL)	13	45.746	61.441
Defence sidings	3	32.55	139.869
Total	38	179.912	428.454

2. Salient Features

Total Route (Kms) = 953.96

Total Track (Kms) = 2366.67

Total ETKMs = 3183.56

Total ITKMs = 4493.6 (Works-1946.8+Track-2546.8)

Route Kms.	Total	BG- Single Line	BG- Double Line	BG- 3 rd Line	BG- 4 th Line
	953.96	351.75	602.21	0	0
Track Kms.	2366.67	391.19	1907.2	48.96	19.32
ETKMs	3183.56	435.66	2652.3	68.55	27.05
ITKMs (P.Way)	2546.8	348.52	2121.8	54.84	21.64
ITKMs (Works)	1946.8	536.9	1409.9	0	0
Total ITKMs	4493.6	885.42	3531.7	54.837	21.641

2.1 Maximum Permissible Speed:

Section	Mail/Exp/Pass	Goods
ET-AMF	120/110	75
AMF-NGP	120/110	75
NGP-SEGM	120/110	75
SEGM-BD	110	75
SEGM-BPQ	120/110	75
AMF-PUX (SL)	110	75
PUX-CWA (SL)	110	30
MJRI-WUN (SL)	50	50
WUN-PMKT (SL)	50	50
NRKR-CNDB (SL)	110	75

4 Gradient

4.1 Ruling gradient

ET-AMF	UP	DOH-PUX	1/175	5.51 Kms
	DN	DHQ-MJY	1/60	0.89 Kms
AMF-NGP	UP	TEO-CCD	1/70	4.70 Kms
	DN	AMF-JKR	1/150	5.90 Kms
NGP-SEGM	UP	KRI-GMG	1/130	1.32 Kms
	DN	AQ-KRIJ	1/100	1.2 Kms
SEGM-BPQ	UP	YNA-NGI	1/135	1.475Kms
	DN	NGI-CKNI-WRR	1/140	2.380Kms
WR-BD	UP	CND-MLR	1/150	2.81 Kms
	DN	DAE-WR	1/132	1.90 Kms
NRKR-CNDB	SL	BENODA-HIWARKHED	1/150	1.18 Kms.

4.2 Steepest Gradient

Section	Steepest gradient
ET-AMF	1/175, 1/60
AMF-NGP	1/70, 1/150
NGP-SEGM	1/130
SEGM-BPQ	1/135, 1/140
WR-BD	1/150, 1/132
NRKR-CNDB	1/150

Ghat Section:

SN	Between Stations	Km	Ruling gradient	
			UP	DN
(i)	Dharakoh-Maramjhiri	830-844	1 : 70 F	1 : 60 R
(ii)	Chichonda-Teegaon	912-930	1 : 70 R	1 : 65 F

Tunnels (Total Tunnels -11, Total length = 3467.92m):

SN	Tunnel no.	Km and Block section	Section	Up / Dn	Curve (Degree) / Straight	Gradient	Length (m)	Width (m)	Track Structure
1	1	834/45-835/1	DHQ-MJY	UP	4	F 1 : 70	346.04	5.31	60Kg Rails PSC6 Shallow depth
2	1A	834/46-835/2	"	DN	5	R 1 : 60	427.03	5.15	60 Kg Rails PSC6
3	2	835/9-835/23	"	UP	4	F 1 : 70	252.44	4.85	60 Kg Rails PSC6 Shallow depth
4	2A	835/16-835/28	"	DN	Straight	R 1 : 200	164.59	4.61	60 Kg Rails PSC6
5	3	836/7-836/19	"	UP	Straight	F 1 : 70	187.76	4.75	60 Kg Rails PSC6
6	3A	836/8-836/22	"	DN	Straight	R 1 : 60	238.35	4.61	60 Kg Rails PSC6
7	4	836/35-836/43	"	UP	3	F 1 : 70	96.04	5.44	60 Kg RailsPSC6
8	5	839/29-840/7	"	UP	4	F 1 : 70	555.49	5.38	60 Kg RailsPSC6 Shallow depth
9	5A	839/30-839/58	"	DN	Partly in 5 degree	R 1 : 75	479.55	S4.61 C5.15	60 Kg Rails PSC6
10	6	914/13-915/6	CCD TEO	UP	Straight	F 1 : 200	406.11	5.97	60 Kg RailsPSC6
11	7	920/10-920/13	"	UP	Partly in curve	F 1 : 70	298.48	5.51	60 Kg Rails PSC6
Total length(Meters)							3467.9		

Bridges - Summary:

Section	Important	Major	Minor	Total
BPQ-SEGM	06	29	282	317
BD-WR	02	38	294	334
WR-NGP	02	05	293	300
ET-NGP	04	76	802	882
BRANCH LINE & SIDING	01	77	865	943
Total	15	225	2536	2776

ROB/RUB:

Section	ET-NGP	NGP-BD	SEGM-BPQ	AMI-NRKR	AMF-CWA	Br line & siding	Total
ROB	15	13	8	2	3	3	44
RUB	27	22	5	21	26	32	133