

NAGPUR DIVISION AT A GLANCE (AS ON FEBRUARY 2014)

1. SECTIONAL DETAILS: a) MAINLINE (Double)

(All figures in Kms)

SN	Section	Kms		Total Kms
		From	To	
i)	ET - AMF	750.00	874.68	124.68
ii)	AMF - NGP	874.68	1042.15	167.47
iii)	NGP - SEGM	836.79	760.57	76.22
iv)	SEGM- BPQ	760.57	893.00	132.43
v)	SEGM - BD	760.57	665.00	95.57
vi)	WR - CHJC	758.09	762.07	3.98
vi)	HWH - NGP	1130.03	1131.09	1.06
Total (Kms.)				601.82

b) BRANCH LINE (Single)

i) (B.G.)

SN	Section	Kms		Total Kms
		From	To	
i)	AMF - CWA	874.68	989.85	115.17
ii)	BTBR - URR	809.35	843.06	33.71
iii)	MJRI - PMKT	842.57	922.77	80.20
iv)	TAE - GGS	861.90	876.01	14.11
v)	TAE- Chord line	0.00	1.25	1.25
vi)	WANI - RAJR	855.79	862.84	7.05
vii)	CD Fort-BPQ	1250.595	1251.437	0.842
viii)	NRKR-Chandur Bazar	800.963	705.529	95.434
ix)	GNQ-KRDH Chord line	1036.31	1041.09	4.78
Total (Kms.)				352.546

ii) (N.G.)

SN	Section	Kms		Total Kms
		From	To	
i)	PLO - AVE*	728.49	762.95	34.42

*Line closed for traffic since 31/7/2008.

Grand Total (Kms)				988.336
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Total Route (Kms)	988.336
Total Track (Kms)	2335.69
Total ETKMs	3115.21
Total ITKMs	4475.93 (Works-1983.77+Track-2492.16)

c) SIDINGS

SN	Siding	Nos.	Length in Kms
1	Private Sidings	22+6 (Nos.proposed)	198.841
2	Assisted Sidings	12	59.986
3	Defence sidings	3	139.869
Total		37+6	398.696

(Length of 6 Nos. of proposed private sidings has not been included in above mentioned length.)

2. SALIENT FEATURES

	Total	BG-S/Line	BG-D/Line	NG-S/Line
Route Kms.	988.336	352.546	601.82	34.42
Track Kms.	2335.69	391.19	1907.21	37.29
ETKMs	3115.21	435.66	2652.28	27.27
ITKMs (P.Way)	2492.16	348.52	2121.82	21.82
ITKMs (Works)	1983.74	536.90	1409.88	37.00
Total ITKMs	4475.90	885.42	3531.70	58.81

2 MAX. PERMISSIBLE SPEED

	Mail /Exp/Pass.	Passenger	Goods
ET-AMF	120/110	105	75
AMF-NGP	120/110	105	75
NGP-SEGM	120/110	105	75
SEGM-BD	110	105	75
SEGM-BPQ	120/110	105	75
AMF-PUX (SL)	90	90	75
PUX-CWA (SL)	50	50	30
MJRI- WUN (SL)	50	50	50
WUN-PMKT (SL)	50	50	
NRKR-CNDB (SL)	50	50	50

3 Curves

		UP Road	DN Road	Total
ET-AMF	Total No.	76	91	167
	Sharpest Curve	4.01	5	
AMF-NGP	Total No.	96	117	217
	Sharpest Curve	5	5	
NGP-SEGM	Total No.	28	28	56
	Sharpest Curve	2.19	2.14	
SEGM-BPQ	Total No.	58	35	93
	Sharpest Curve	4	3	
WR-BD	Total No.	33	30	63
	Sharpest Curve	3.50	2.40	
NRKR-CNDB	Sharpest Curve	3.875	3.875	1

4 STEEPEST GRADIENT

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

5. Summary of Bridges:

	BPQ-SEGM	BD-WR	WR-NGP	ET-NGP	NRKR-CNDB	BRANCH LINE & SDG	TOTAL
Important	6	2	4	4	0	1	17
Major	22	36	25	67	27	46	223
Minor	282	292	292	798	112	742	2518
Total	310	330	321	869	139	789	2758

ROB/RUB

Section	ROB			RUB		
	Major	Minor	Total	Major	Minor	Total
ET-NGP	7	3	10	-	6	6
NGP-BD	10	-	10	3	4	7
WR-BPQ	8	-	8	-	1	1
Br.line & Sdg.	-	2	2	1	12	13
NRKR-CNDB	1	1	2	-	6	6
Total	26	6	32	4	29	33

8.0 TUNNELS (Total Tunnels =11, Total length 3467.92 M.)

Tunnel No. and Block section	Sec	Up / Dn	Curve (Degree) / Straight	Gradient	Length (m.)	Width (m.)	Track Structure
1 834/45-835/1	DHQ-MJY	Up	4	F 1 : 70	346.04	5.31	60 Kg Rails PSC6 Shallow depth
1A 834/46-835/2	"	Dn	5	R 1 : 60	427.03	5.15	60 Kg Rails PSC6
2 835/9-835/23	"	Up	4	F 1 : 70	252.44	4.85	60 Kg Rails PSC6 Shallow depth
2A 835/16-835/28	"	Dn	Straight	R 1 : 200	164.59	4.61	60 Kg Rails PSC6
3 836/7-836/19	"	Up	Straight	F 1 : 70	187.76	4.75	60 Kg Rails PSC5
3A 836/8-836/22	"	Dn	Straight	R 1 : 60	238.35	4.61	60 Kg Rails PSC6
4 836/35-836/43	"	Up	3	F 1 : 70	96.04	5.44	60 Kg Rails PSC5
5 839/29-840/7	"	Up	4	F 1 : 70	555.49	5.38	52 Kg Rails PSC6 Shallow depth
5A 839/30-839/58	"	Dn	Partly in 5 degree	R 1: 75	479.55	S 4.614 C 5.153	60 Kg Rails PSC6
6 914/13-915/6	CCD - TEO	Up	Straight	F 1 : 200	406.11	5.97	52 Kg Rails PSC6
7 920/10-920/13	"	Up	Partly in curve	F 1 : 70	298.48	5.51	52 Kg Rails PSC5/6
Total length (meters)					3467.92		

GHAT SECTION

SN	Between Stations	Km	Ruling gradient	
			UP	DN
1.	DHARAKOH-MARAMJHIRI	830-844	1 : 70 F	1 : 60 R
2.	CHICHONDA-TEEGAON	912-930	1: 70 R	1 : 65 F

Summary of stations

Category	No. of stns	Stations
A-1	1	NGP
A	4	WR, CD, BPQ, BZU.
B	2	SEGM, DMN.
D	15	HGT, MTY, AQ, PUX, JNO, WRR, NRKR, KATL, CND, BUX, MJRI, AMLA, GDYA, PLO, PAR
E	52	Wani, Bhugaon, Hirdagarh, Bordhai, Sindi, Butibori, Babupeth, Palachauri, Godhani, Navegaon, Iklehra, Taku, Jambhara, Kalmeshwar, Tuljapur, Teegaon, Barbatpur, Kirathgarh, Dhodramohar, Talni, Malkhed, Kayar, Nagri, Jaulkheda, Dahegaon, Sonegaon, Lingti, Kalaakhar, Seloo Road, Timtala, Chikni Road, Kalambha, Khapri, Chichonda, Kohli, Tadali, Borkhedi, Gumgaon, Wagholi, Kaotha, Sonkhamb, Metpanjra, Maramjhiri, Barsali, Pimpalkhuti, Bharatwada, Dharakhoh, Saheli, Arvi, Pusla, Warud Orange city, Morshi.
F	18	Gondwana Visapur, Warud, Tinkheda, Darimeta, Ghudankhapa, Hatnapur, Lalawadi, Malkapur, Barchi Road, Barelipar, Markadhana, Gangiwara, Mowad, Benoda, Hiwarkhed, Pala, Astegaon, Kolvihir.
Total	92	
Stns closed for pass	23	Kesla, Polapathar, Magardoh, Chard cabin, Chitoda jn, Yenor, Chotipadoli, Vivekand nagar, Dipori, Sorta, Virur, Rohna - 1, Rohna-2, Dhanori, Pargothan, Khubgaon, Pachegaon, Arvi, Majri, khadan, Mukutban, Umrer, Rajur, Ghugus
G/Total	115	