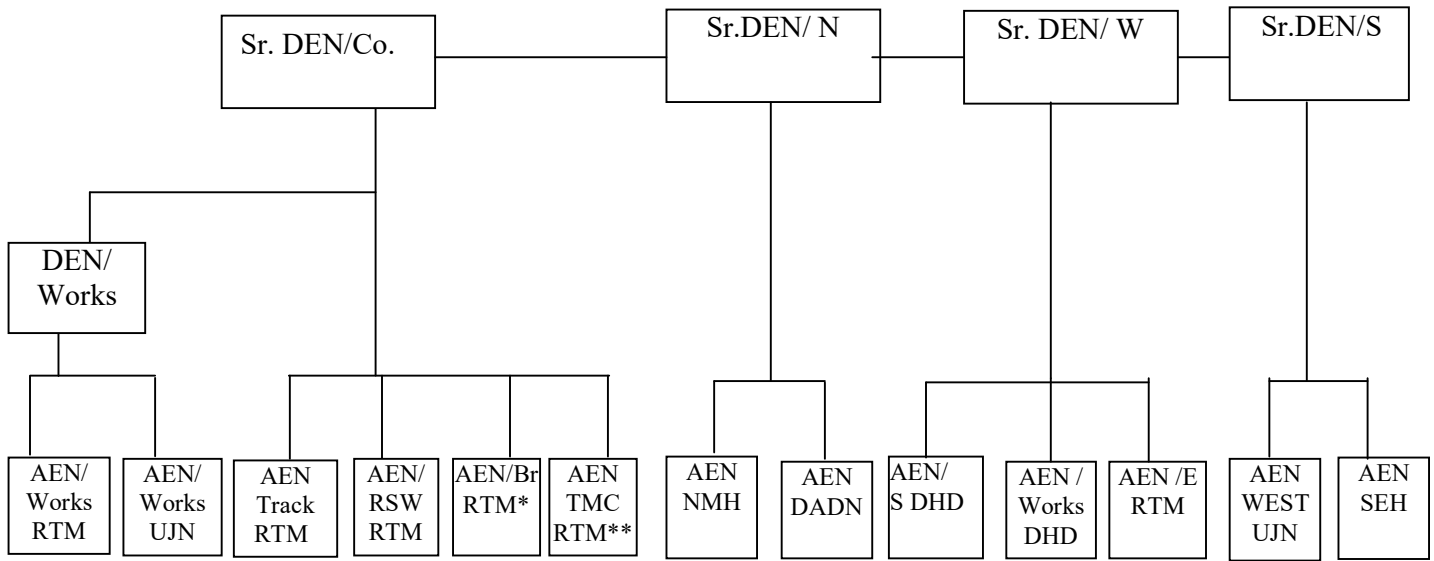


# ENGINEERING

## 1. ORGANISATION



*\*Controlled by CBE*

*\*\*Vacant*

**WESTERN RAILWAY :: RATLAM DIVISION**  
**STATEMENT ITKM's of CPWI's, IOW's, AEN's, Sr.DEN(Co.), Sr.DEN/DENs**  
**As on 01.04.2020**

Controlling Sr. DEN's and DEN's	ETKMcontrolling Sr.DEN's & DEN's	ADEN with HQ	ETKM of AEN	CPWI with HQ	ETKM of CPWI	CIOW with HQ	ITKM for CIOW	ETKM for CIOW
DEN (WEST) RTM	3332.25	DHD (Works)	911.33	-	-	DHD-(I)	750.17	600.13
						DHD-(II)	389.00	311.20
		DHD (S)	922.62	PPD	200.74	DHD-III	400.24	320.19
				DHD (S)	199.29			
				DHD (N)	202.4			
		RTM (E)	1498.30	MGN	216.1	MGN	542.58	434.07
				RTM (S)	232.48			
				RTM (N)	206.07	NAD	330.74	264.59
				NAD	144.99			
		DEN (S) RTM	2186.67	UJN (West)	1202.65	UJN (S)	177.94	UJN -I
MKC-DWX	50.1							
UJN (N)	208.03							
UJN (E)	154.11							
SEH	984.02			BCH	153.58	SJP	581.56	465.25
				SJP	175.91			
				SEH	189.28			
Sr.DEN (N) RTM	2135.90			DADN	882.55	BNG	111.97	DADN
		DADN	170.32					
		KNW	128.56					
		NMH	1253.35	NMH	361.09	NMH	518.51	414.81
				JAO	179.31	COR	372.67	298.14
DEN (Works) RTM	1624.00	RTM (Works)	693.68	-	-	RTM (I)	350.93	280.75
						RTM(II)	516.17	412.93
		UJN (Works)	930.32			UJN(WW)	601.44	481.15
						IND	561.45	449.16
<b>Sr. DEN(Co) TOTAL</b>	<b>9278.82</b>		<b>9278.82</b>		<b>3471.27</b>		<b>7259.44</b>	<b>5807.55</b>

**SALIENT FEATURES OF RATLAM DIVISION - ENGINEERING DEPARTMENT As on 01.10.2020****1. (a) LENGTH OF TRACK (Broad Gauge)**

Section	Route	Route Kms.		Track Kms.	Track Kms.
		Single Line	Double Line	Main line	with loop
GDA – NAD	A	0	227.15	454.30	648.46
NAD – BIH	D Spl.	0	226.150	452.26	538.970
IND-DWX-UJN	D	79.630	0	79.63	123.329
DET-CNA (AII-end)	D Spl.	0.869	0	.869	0.869
MKC-DWX	E	36.04	0	36.04	38.90
NBH 'C'-RTM	D Spl.	161.429	0	161.429	213.35
CNA-NBH 'C'	D Spl.	0	36.862	73.724	89.01
CNA By Pass	D Spl.	1.40	0	1.40	1.40
BEC-GSSD (UDZ-end)	D Spl.	1.20	0	1.20	2.02
GQL-COR (KTT-end)	D Spl.	4.09	0	4.09	4.09
RTM-FTD-LMNR	D	115.07	0	115.07	140.93
LMNR-RAU	D	0	15.04	30.08	39.78
RAU-DADN	D	9.51	0	9.51	12.51
RAU-TIHI	D	8.772	0	8.772	10.254
KBCB-MTA(New line)	D	8.40	0	8.40	8.40
NKR-KBCB	D	36.790	0	36.790	42.339
<b>TOTAL</b>		<b>463.2</b>	<b>505.202</b>	<b>1473.564</b>	<b>1914.611</b>
			<b>968.402</b>		<b>1914.611</b>

**1. (b) LENGTH OF TRACK (Meter Gauge)**

Section	Route	Route Kms.		Track Kms.	Track Kms.
		Single Line	Double Line	Main line	with loop
DADN-OM	Q	58.34		58.34	85.50
<b>TOTAL</b>		<b>58.34</b>	<b>-</b>	<b>58.34</b>	<b>85.50</b>

**Under GC**

Section	Route	Route Kms.		Track Kms.
		Single Line	Double Line	
OM-NKR	<b>Under GC</b>	16.68		20.29
KBCB -KNW	<b>Under GC</b>	4.48		4.48
FTD-UJN	<b>Under GC</b>	22.96		26.38
<b>Total</b>		<b>44.12</b>		<b>51.15</b>

**2. NO. OF STATION ON DIVISION**

Category of stations	No. of Stations
NSG-2	2
NSG-3	2
NSG-4	05
NSG-5	16
NSG-6	73
HG-2	2
HG-3	18
<b>Total</b>	<b>118</b>

**3. (a) NO. OF BRIDGES (Broad Gauge)**

Section	Important Br.	Major Br.	Minor Br.	Total Bridges
GDA – RTM	8	50	533	591
RTM - NAD	2	9	71	82
NAD – UJN	4	10	69	83
UJN – BIH	6	28	323	357
IND-DWX-UJN	1	10	109	120
CNA – RTM	4	54	313	371
MKC-DWX	3	5	44	52
RTM-FTD-DADN	1	27	189	217
RAU-TIHI	0	3	14	17
NKR-KBCB	0	10	114	124
KBCB-MTA	0	2	7	9
<b>TOTAL</b>	<b>29</b>	<b>208</b>	<b>1786</b>	<b>2023</b>

3. (b) NO. OF BRIDGES (Meter Gauge)

Section	Important Br.	Major Br.	Minor Br.	Total Bridges
DADN – OM	05	11	202	218
<b>Under G.C.</b>				
OM-NKR	0	1	36	37
KBCB-KNW	0	1	8	9
FTD – UJN	0	3	26	29
<b>Total BG+ MG+ Under G.C.</b>				
<b>RTM Division (BG+MG)</b>	<b>34</b>	<b>224</b>	<b>2058</b>	<b>2316</b>

4. No. OF LEVEL CROSSINGS (16.12.2020)

Sr. No.	Section	Line	Manned					Total Manned	Interlocked (Manned)	UM C'' Class	Total LCs
			Spl. Class	A' Class	B1' Class	B2' Class	C' Class				
1	GDA – RTM	BG	10	1	1	0	11	23	14	0	23
2	RTM – NAD	BG	3	1	0	0	11	15	6	0	15
3	NAD – UJN	BG	2	2	1	0	15	20	7	0	20
4	UJN - BPL	BG	5	3	2	1	31	42	21	0	42
5	IND-DWX-UJN	BG	2	2	1	2	15	22	13	0	22
6	DWX-MKC	BG	0	1	0	0	6	7	2	0	7
7	AII-CNA	BG	0	0	0	0	2	2	1	0	2
8	KTT-CNA	BG	0	0	0	0	0	0	0	0	0
9	CNA-RTM	BG	3	4	3	2	33	46	34	0	46
10	UDZ-BEC	BG	0	0	0	0	0	0	0	0	0
11	RTM-KNW	BG	0	5	1	0	42	48	16	0	48
12	RAU-TIHI-DHD	BG	0	0	0	0	2	2	0	0	2
<b>Total BG</b>			<b>25</b>	<b>19</b>	<b>9</b>	<b>5</b>	<b>168</b>	<b>226</b>	<b>114</b>	<b>0</b>	<b>226</b>
14	DADN-NKR	MG	0	3	1	0	8	12	6	0	12
<b>Total MG</b>			<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>12</b>
13	FTD-UJN	Closed	0	1	0	0	1	2	1	0	2
15	MG section		0	0	0	0	6	6	2	0	6
<b>Total Under MG closed</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>8</b>
<b>TOTAL L.C.</b>			<b>26</b>	<b>23</b>	<b>10</b>	<b>5</b>	<b>183</b>	<b>246</b>	<b>123</b>	<b>0</b>	<b>246</b>

5. A) TRACK STRUCTURE OF THE DIVISION (01.04.20)

SECTION	Total	SLEEPERS				RAILS PANNEL		
	Length	PRC	ST	CST-9	W	LWR	SWR	FREE
<b>TRACK STRUCTURE B.G.</b>								
GDA – RTM	364.29	364.29	0	0	0	357.94	5.68	0.67
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98.26</b>	<b>1.56</b>	<b>0.18</b>
RTM - NAD	93.84	93.84	0	0	0	89.59	4.25	0
%		<b>100.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95.47</b>	<b>4.53</b>	<b>0</b>
NAD - UJN	114.76	114.76	0	0	0	113.72	0.25	0.79
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>99.09</b>	<b>0.22</b>	<b>0.69</b>
UJN – BIH	337.54	337.54	0	0	0	337.54	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
IND-DWX-UJN	79.630	79.630	0	0	0	77.03	2.60	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96.74</b>	<b>3.26</b>	<b>0</b>
CNA – RTM	184.69	184.69	0	0	0	173.80	10.89	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94.10</b>	<b>5.90</b>	<b>0</b>
COR-SMP	23.22	23.22	0	0	0	23.22	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
MKC-DWX	36.04	36.04	0	0	0	36.04	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
BEC-GSSD(UDZ End)	1.20	1.20	0	0	0	0	1.20	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>
DET-CNA(AII-End)	2.86	2.86	0	0	0	2.86	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
GQL-COR(KTT End)	4.09	4.09	0	0	0	4.09	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
RTM-FTD-DADN	139.62	139.62	0	0	0	139.62	0	0
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
RAU-TIHI	8.77	8.77	0	0	0	8.77	0	0

%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>1390.55</b>	<b>1390.55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1364.21</b>	<b>24.88</b>	<b>1.46</b>
%		<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98.10</b>	<b>1.79</b>	<b>0.11</b>
<b>TRACK STRUCTURE M.G.</b>								
DADN-SWD	63.74	29.39	8.30	23.75	2.30	-	56.14	7.60
%		<b>46.11</b>	<b>13.02</b>	<b>37.27</b>	<b>3.60</b>	-	<b>88.08</b>	<b>11.92</b>
<b>SWD-KNW</b>	<b>52.46</b>	<b>Under G.C.</b>						
<b>FTD-UJN</b>	<b>22.96</b>							

5. B) TRACK STRUCTURE OF THE DIVISION (01.04.2020)

SECTION	Total Length	RAILS					
		60 KG	52 KG	90 R	75 R	60 R	50 R
<b>TRACK STRUCTURE B.G.</b>							
GDA – RTM	364.29	364.29	0	-	-	-	-
%		<b>100</b>	<b>0</b>	-	-	-	-
RTM - NAD	93.84	93.84	0	-	-	-	-
%		<b>100%</b>	<b>0</b>	-	-	-	-
NAD – UJN	109.96	89.81	20.15	-	-	-	-
%		<b>81.68</b>	<b>18.32</b>	-	-	-	-
UJN – BIH	342.34	306.68	35.66	-	-	-	-
%		<b>89.58</b>	<b>10.42</b>	-	-	-	-
IND-DWX-UJN	79.630	63.19	16.44	0	-	-	-
%		<b>79.35</b>	<b>20.65</b>	<b>0</b>	-	-	-
NBH‘C’ – RTM	161.43	21.02	140.41	-	-	-	-
%		<b>13.02</b>	<b>86.98</b>	-	-	-	-
CNA-NBH‘C’	36.86	<b>27.78</b>	<b>9.08</b>				
%		<b>75.37</b>	<b>24.63</b>	-	-	-	-
MKC-DWX	36.04	20.53	15.51	-	-	-	-
%		<b>56.96</b>	<b>43.04</b>	-	-	-	-
BEC-GSSD (UDZ end)	1.20	-	1.20	-	-	-	-
%		-	<b>100</b>	-	-	-	-
DET-CNA (AII-End)	0.869	-	0.869	-	-	-	-
%		-	<b>100</b>	-	-	-	-
GQL-COR (KTT end)	4.09	-	4.09	-	-	-	-
%		-	<b>100</b>	-	-	-	-
RTM-FTD- DADN	139.62	78.06	61.56				
%		<b>55.90</b>	<b>44.10</b>	-	-	-	-
RAU-TIHI	8.77	8.77	0	-	-	-	-
%		<b>100</b>	<b>0</b>	-	-	-	-
<b>TOTAL</b>	<b>1390.55</b>	<b>1053.58</b>	<b>336.97</b>	<b>0</b>	-	-	-
%		<b>75.76</b>	<b>24.24</b>	<b>0</b>	-	-	-
<b>TRACK STRUCTURE M.G.</b>							
DADN- SWD	63.74	-	16.30	40.19	4.65	2.60	-
%		-	<b>25.59</b>	<b>63.05</b>	<b>7.29</b>	<b>4.07</b>	-
<b>SWD-KNW</b>	<b>52.46</b>	<b>Under G.C.</b>					
<b>FTD-UJN</b>	<b>22.96</b>						

**STAFF QUARTERS**

Type of quarter	I	II	III	IV	V	Total
No. of quarters	5834	3290	392	337	20	9911

**STATEMENT SHOWING THE DENSITY OF TRAFFIC IN GMT ON BG/MG SECTION**

FOR THE YEAR ENDING 31.03.2020

Sr. No.	Name of section	Route	Route Km. of the sec.	GMT of the Section		
				UP line	DN line	SL line
<b>(A) BROAD GAUGE ROUTE</b>						
1.	GODHRA – RATLAM (471.07 - 654.62)	A	185.27	41.63	46.71	-
2.	RATLAM – NAGDA (654.62 - 695.97)	A	41.35	40.14	43.77	-
3.	NAGDA – UJJAIN (0.00 - 54.99)	D Spl.	54.99	19.68	20.47	-
4.	UJJAIN –BAIRAGARH (54.99 - 226.150)	D Spl.	171.16	18.94	16.84	-
5.	UJJAIN – INDORE (0.73 - 79.23)	D	78.50	8.95	8.20	17.15
6.	DEWAS- MAKSI 0.00-36.03	E	36.03	3.18	3.29	6.47
7.	CHANDERIYA-NIMACH (152.90/172.90 – 241.66)	D Spl.	68.76	9.26	14.98	24.24
8.	NIMACH-RATLAM (241.66 – 374.58)	D Spl.	132.92	8.02	10.94	18.96
9.	RATLAM-FATEHABAD (374.58-453.82)	D	79.24	3.04	2.35	5.39
10.	FATEHABAD-INDORE (453.82-493.23)	D	39.41	2.93	2.23	5.16
11.	INDORE-DADN (493.23-514.69)	D	21.46	3.12	3.04	6.16
<b>(B) METER GAUGE ROUTE</b>						
1.	DADN – SANAWAD (514.20 – 630.40)	Q	63.74	0.28	0.28	0.56
2.	<b>UJJAIN – FATEHABAD CHANDRAWATI GANJ (0.00 - 22.96)</b>	<b>S</b>	<b>22.96</b>	<b>Line closed due to Gauge Conversion.</b>		