

INDIAN RAILWAYS

WELCOME

INDIAN RAILWAYS - SOME FACTS

- **INDIAN RAILWAY IS ONE OF THE BIGGEST NET WORK IN THE WORLD**
- **UNDER RAILWAY MINISTRY CONTROLLED BY RAILWAY BOARD OF CHAIRMAN AND SIX MEMBERS**
- **TOTAL WORK FORCE IS 1.54 MILLION**
- **MANAGED THROUGH 68 DIVISIONS UNDER 16 ZONES**
- **ROUTE KMS IS 63028 AND TRACK KMS IS 108,706**
- **RUNS 11000 TRAINS INCL. 7000 PASSENGER EVERY DAY**
- **TOTAL NOS OF STATIONS IS 6853**

INDIAN RAILWAYS- PERFORMANCE NUMBERS

- GROSS TRAFFIC REV IS RS 63120 CRS.**
- GROWTH IS 16% HIGHER THAN LAST YR.**
- SURPLUS IS RS 20,000 CRS**
- OPERATING RATIO IS 78.7%**
- ANNUAL PLAN EXP. FOR 07-08 IS RS 31,000 CRS**
- ANNUAL PLAN EXP. NEW LINES,GAUGE CONVERSIONS, ELECTRIFICATION, METRO TRANSP. PROJ., NATIONAL PROJ., TRACK, BRIDGES,SIGNALLING,ROB/ROE CROSSINGS IS RS 15000 CRS**

RAILWAY IN MADHYA PRADESH

- **MADHYA PRADESH IS THE HEART OF INDIAN RAILWAY NET WORK SPANNING 600 KMS FROM GWALIOR ON NORTH TO ITARSI IN SOUTH ON NORTH SOUTH ROUTE AND 750 KMS FROM SINGRAULI ON EAST TO KHANDWA IN WEST**

IMPORTANT RAILWAY ROUTES IN MADHYA PRADESH

- **DELHI-CHENNAI RAJDHANI ROUTE VIA MURENA-GWALIOR-ITARSI-AMLA**
- **DELHI-MUMBAI RAJDHANI ROUTE VIA NAGDA-RATLAM**

RAILWAY IN MADHYA PRADESH

IMPORTANT RAILWAY ROUTES IN MADHYA PRADESH

- ALLAHABAD-JABALPUR-ITARSI-KHANDWA-MUMBAI
- BHIND-GWALIOR-GUNA-MAKSI-INDORE
- BHOPAL-UJJAIN-NAGDA
- NEEMUCH-RATLAM-INDORE-KHANDWA
- KOTA-GUNA-BINA-KATNI-SINGRAULI & BILASPUR

RAILWAY IN MADHYA PRADESH

- **AREA OF MP IS SERVED BY 05 ZONAL RAILWAYS i.e. NCR, WCR, SECR , WESTERN AND CR;**
- **NEW ZONAL RAILWAY i.e. WCR HQ. AT JABALPUR SERVES MAJORITY OF THE AREA**
- **THREE IMPORTANT RAILWAY DIVISIONS IN M.P. ARE HEADQUARTERED AT BHOPAL, JABALPUR & RATLAM**

RAILWAY IN M. P. - IMPORTANT INSTALLATIONS

- **ELECTRIC LOCO SHEDS** : **KATNI & ITARSI .**
- **DIESEL LOCO SHEDS** : **KATNI & RATLAM.**
- **COACH REPAIR WORKSHOP** : **BHOPAL.**
- **RAIL SPRING KARKHANA** : **GWALIOR.**
- **WAGON REPAIRS WORKS** : **SATNA.**
- **RAILWAY RECRUITMENT BOARD** : **BHOPAL**

INITIATIVES FOR IMPROVEMENT OF EXISTING INFRA STRUCTURE

- STRENGTHENING OF EXISTING TRACK BY PROVIDING PRESTRESSED CONCRETE SLEEPERS AND HIGHER SECTION OF RAILS AND WELDING THEM FOR LONG RAILS FOR INCREASING AXLE LOADS AND SPEEDS.**
- OLD BRIDGES STRENGTHENING AND REBUILDING.**
- UN MANNED LEVEL CROSSINGS REPLACEMENT WITH ROAD UNDER BRIDGES.**
- REPLACEMENT OF BUSY LEVEL CROSSINGS WITH ROAD OVER BRIDGES ON 50:50 COST SHARING BASIS WITH STATE GOVERNMENT**

INITIATIVES FOR IMPROVEMENT OF EXISTING INFRA STRUCTURE

- **PROJECT TOUCH AND FEEL FOR IMPROVEMENT OF STATIONS**
- **IMPORTANT STATIONS DEVELOPMENT AS MODEL STATIONS**
- **EXTENSION OF EXISTING PLATFORMS FOR RUNNING OF 24 COACH LENGTH PASSENGER TRAINS**
- **CONSTRUCTION OF NEW CROSSING STATIONS AND IBS**
- **IMPROVEMENT OF FREIGHT HANDLING TERMINALS**

INITIATIVES FOR FUTURE

- **STRATEGY OF RAILWAYS IS TO INVEST IN LOW COST HIGH RETURN PROJECTS**
- **ELEMINATING BOTTLENECKS AND ENSURING INTENSIVE ASSET UTILISATION**
- **MID TERM AND LONG TERM STRATAGY TWIN PRONGED APPROACH**
 - **NET WORK EXPANSION ;**
 - **MODERNISATION & TECHNICAL UPGRADATION**
- **PUBLIC PRIVATE PARTENERSHIP ENCOURAGEMENT ON INDIAN RAILWAYS**

INITIATIVES FOR FUTURE

- **CONSTRUCTION OF EASTERN AND WESTERN DEDICTED FREIGHT CORRIDORS**
- **PRE FEASIBILITY SURVEYS FOR DEDICATED FREIGHT CORRIDORS**
 - **EAST - WEST**
 - **EAST-SOUTH**
 - **NORTH - SOUTH**
 - **SOUTH-SOUTH**
- **HIGH SPEED PASSENGER CORRIDORS FOR RUNNING TRAINS AT THE SPEED OF 300 KPH**

INITIATIVES FOR FUTURE IN MADHYA PRADESH

- **WORLD CLASS STATION AT BHOPAL**
WITH ALL STATE OF THE ART FACILITIES THROUGH
PUBLIC PRIVATE PARTENERSHIP FUNDING
- **BINA TO BHOPAL THIRD LINE WITH RAILWAY OR OTHER**
FUNDING THROUGH RVNL
- **BHOPAL TO ITARSI THIRD LINE WITH RAILWAY OR**
OTHER FUNDING
- **JHANSI TO BINA THIRD LINE**

- **RAIL WAY FLY OVER AT ITARSI AND KATNI**
- **GAUGE CONVERSION OF GWALIOR-SHEOPUR KALAN**
- **BHOPAL WORK SHOP MODERNISATION PLAN FOR**
DEVELOPMENT OF WORLD CLASS DESIGN AND
REHABILITATION OF PASSENGER COACHES TO WORLD
STANDARDS

IMPORTANT ON GOING PROJECTS IN M.P.

- **NEW BROAD GAUGE LINES**

- RAMGANJ MANDI (RAJ.) TO BHOPAL

- LALITPUR(U.P.) TO SINGRAULI

- CHHOTA UDAIPUR TO DHAR

- MAHOBA TO KHAJURAHO

- ITAWA - BHIND

- DAHOD TO INDORE VIA JHABUA & DHAR

IMPORTANT ON GOING PROJECTS IN M.P.

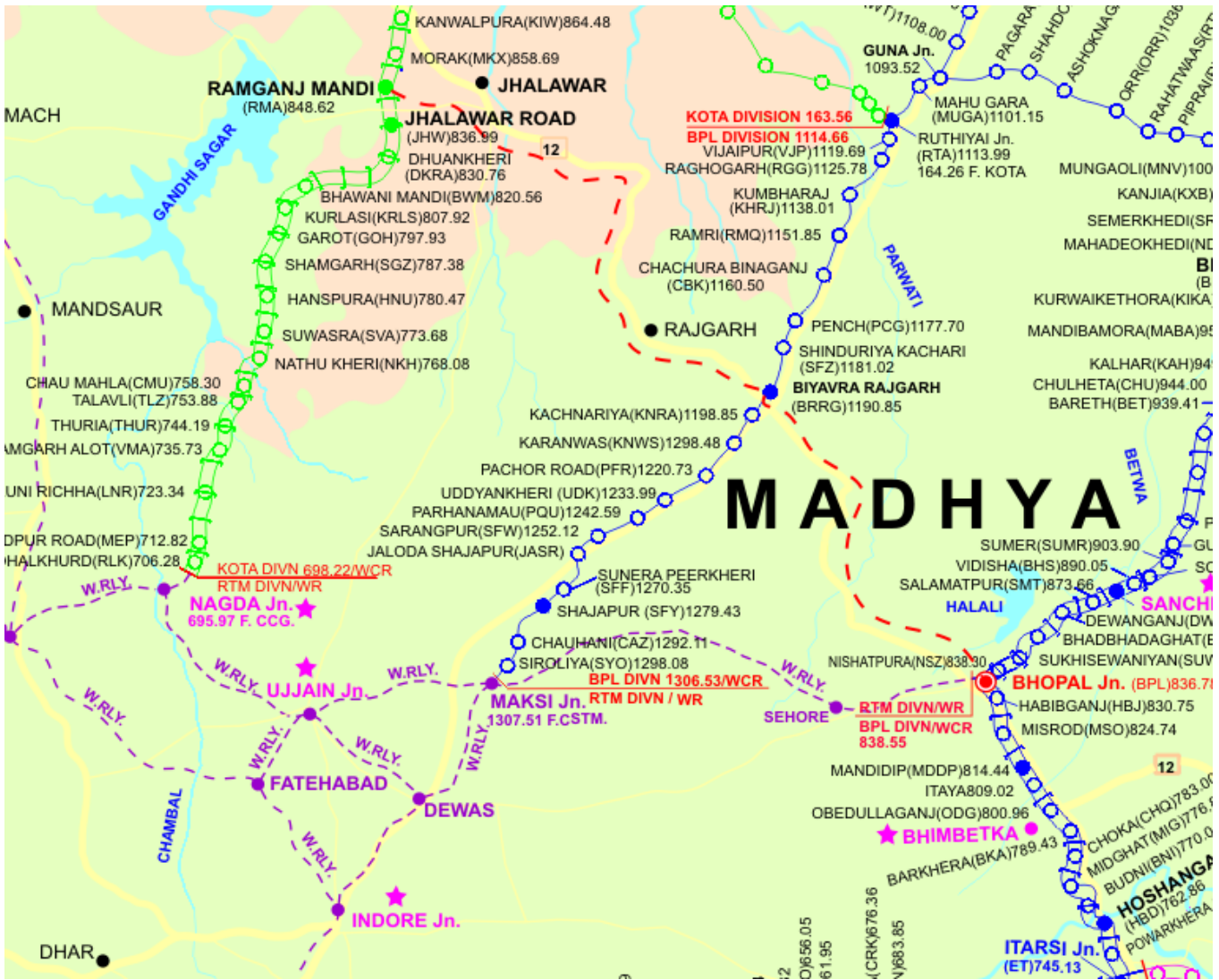
- **GONDIA TO JABALPUR GAUGE CONVERSION**
- **ELECTRIFICATION OF**
 - **KOTA – BINA**
 - **MAKSI-DEVAS**
 - **UJJAIN-DEVAS-INDORE**
- **DOUBLING OF (BHOPAL-MAKSI SECTION)**
 - **KALAPIPAL-PHANDA &**
 - **AKODIA-MOHAMMED KHEDA-SUJALPUR**
- **ROAD OVER / UNDER BRIDGES IN LIEU OF RAILWAY LEVEL CROSSINGS**

RAMGANJMANDI – BHOPAL NEW RAIL LINE

SALIENT FEATURES

- **Broad Gauge**
- **Total length in MP – 170 km (Total length - 270 km)**
- **Total Cost - 1225.90 Crores**
- **Districts Covered of MP**
 - **Rajgarh**
 - **Sehore**
 - **Bhopal**
- **Total no of Stations in MP = 17 (Total=27)**

MAP OF RAMGANJ MANDI TO BHOPAL ALIGNMENT



RAMGANJMANDI – BHOPAL NEW RAIL LINE

Major Cities getting Connected

- ❖ Kota
- ❖ Ramganjmandi
- ❖ Jhalawar
- ❖ Aklera
- ❖ Khilchipur
- ❖ Rajgarh
- ❖ Biaora
- ❖ Narsingharh
- ❖ Bhopal

Important Towns getting Connected in Madhya Pradesh

Nayagaon, Bhojpur, Devpur, khilchipur, Rajgarh, Narsinghpura, Biaora, Pipalhela, Sonkach, Narsingharh Kurawar, Shampur, Duraha, Jharkhera, Gandhinagar & Bhopal

RAMGANJMANDI – BHOPAL NEW RAIL LINE

- **PRESENT STATUS**
 - **LAND ACQUISITION IS IN PROGRESS IN MADHYA PRADESH PORTION**
 - **LAND ACQUISITION IN RAJASTHAN COMPLETE**
 - **WORK OF EARTH & BRIDGES IN PROGRESS BETWEEN RAMGANJMANDI & JHALAWAR**

LALITPUR – SINGRAULI NEW RAIL LINE

SALIENT FEATURES

- **TOTAL LENGTH = 541 Km ; TOTAL COST = 974.97 Crores**

NUMBER OF STATIONS

FROM LALITPUR TO KHAJURAHO = 15

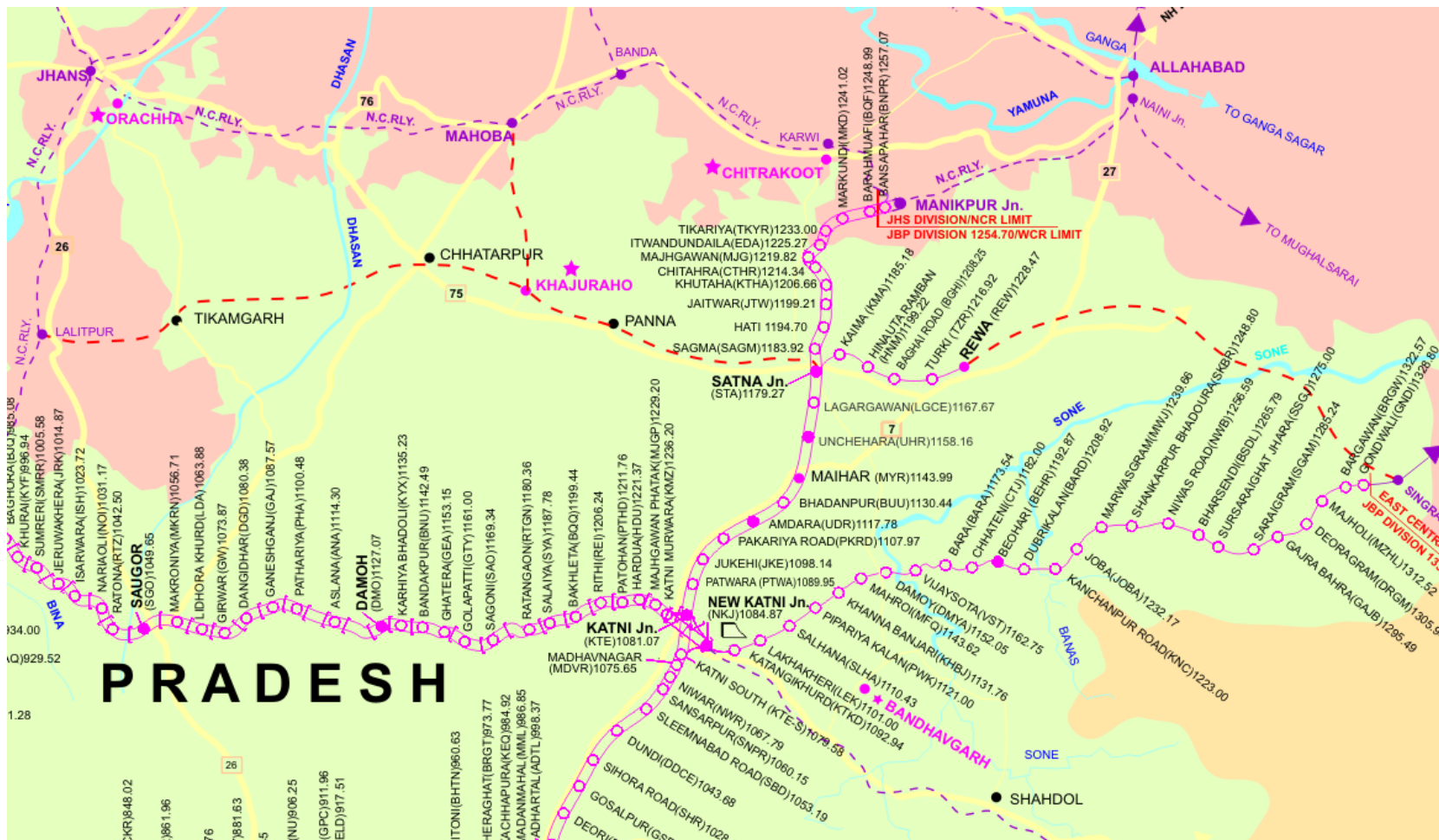
FROM KHAJURAHO TO SATNA = 6

TOTAL = 21 Nos.

MAJOR CITIES CONNECTED THROUGH THIS LINE

**LALITPUR ; TIKAMGARH ; CHHATARPUR ; KHAJURAHO ;
PANNA ; SATNA ; REWA ; SIDHI ; SINGRAULI**

B.G LINE ALIGNMENT LALITPUR TO SINGRAULI



LALITPUR – SINGRAULI NEW RAIL LINE - STATUS

PRESENT STATUS

LALITPUR TO MAWAI (KM 0 TO 65)

- **LAND UP TO KM 65 HAS BEEN ACQUIRED.**
- **WORK OF EARTH EMBANKMENT AND BRIDGES IN ADVANCE STAGE OF CONSTRUCTION**

MAWAI – KHAJURAHO SECTION (KM 65- 167)

- **LAND UP TO KM 101.128 HAS BEEN ACQUIRED.**
- **LAND ACQUISITION UP TO KM 130.30 IN PROGRESS..**
- **EARTH WORK FOR EMBANKMENT AND BRIDGES WORK IN PROGRESS**

LALITPUR – SINGRAULI NEW RAIL LINE - STATUS

KHAJURAHO – SATNA SECTION (KM 123)

1. DETAILED SURVEY IS COMPLETED.
 2. DETAILED ESTIMATE UNDER PREPARATION.
- THIS LINE IS COMING UNDER PROPOSED EXPANSION OF RESERVED FOREST AREA OF PANNA

LALITPUR – SINGRAULI NEW RAIL LINE - STATUS

REWA – SIDHI SECTION (88 KMS)

- ESTIMATE IS SANCTIONED FOR RS. 198.14 Cr.
- LAND ACQUISITION IN PROGRESS.

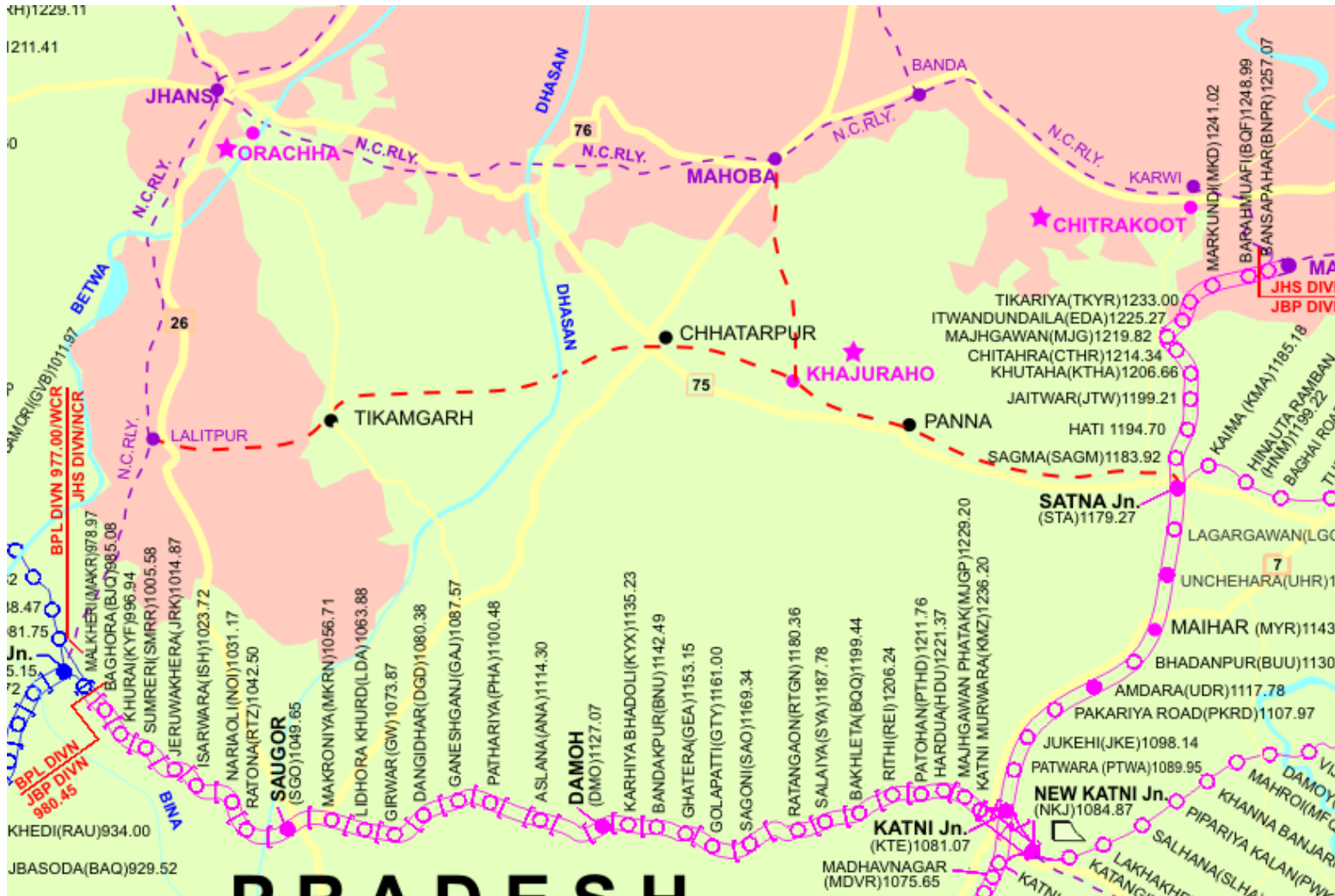
SIDHI – SINGRAULI SECTION (77 KMS)

- DETAILED SURVEY COMPLETED AND PROJECT REPORT AND ESTIMATE IS UNDER PREPARATION

MAHOBA-KHAJURAHO NEW RAIL LINE

GAUGE	:	BROAD GAUGE
TOTAL LENGTH	:	66 Km
LENGTH IN MP	:	55 Km
TOTAL COST	:	Rs.140Cr.
YEAR OF SANCTION	:	1998-99
PRESENT STATUS	:	TRACK LINKING IN PROGRESS.

MAHOBA-KHAJURAHO NEW RAIL LINE



CHHOTA UDAIPUR-DHAR NEW RAIL LINE

TYPE	:	BROAD GAUGE
TOTAL LENGTH	:	157 Km
LENGTH IN MP	:	130 Km
TOTAL COST	:	Rs.507 Cr.
YEAR OF SANCTION	:	2007-08
PRESENT STATUS	:	PART ESTIMATE FOR FINAL LOCATION SURVEY SANCTIONED

CHHOTA UDAIPUR-DHAR NEW RAIL LINE



DAHOD-INDORE NEW RAIL LINE

GAUGE	:	BROAD-GAUGE
TOTAL LENGTH	:	201 Km
LENGTH IN MP	:	179 Km
TOTAL COST	:	Rs.850 Cr.
YEAR OF SANCTION	:	2007-08
PRESENT STATUS	:	DETAILED ESTIMATE PREPARED & UNDER SANCTION

DAHOD-INDORE NEW RAIL LINE



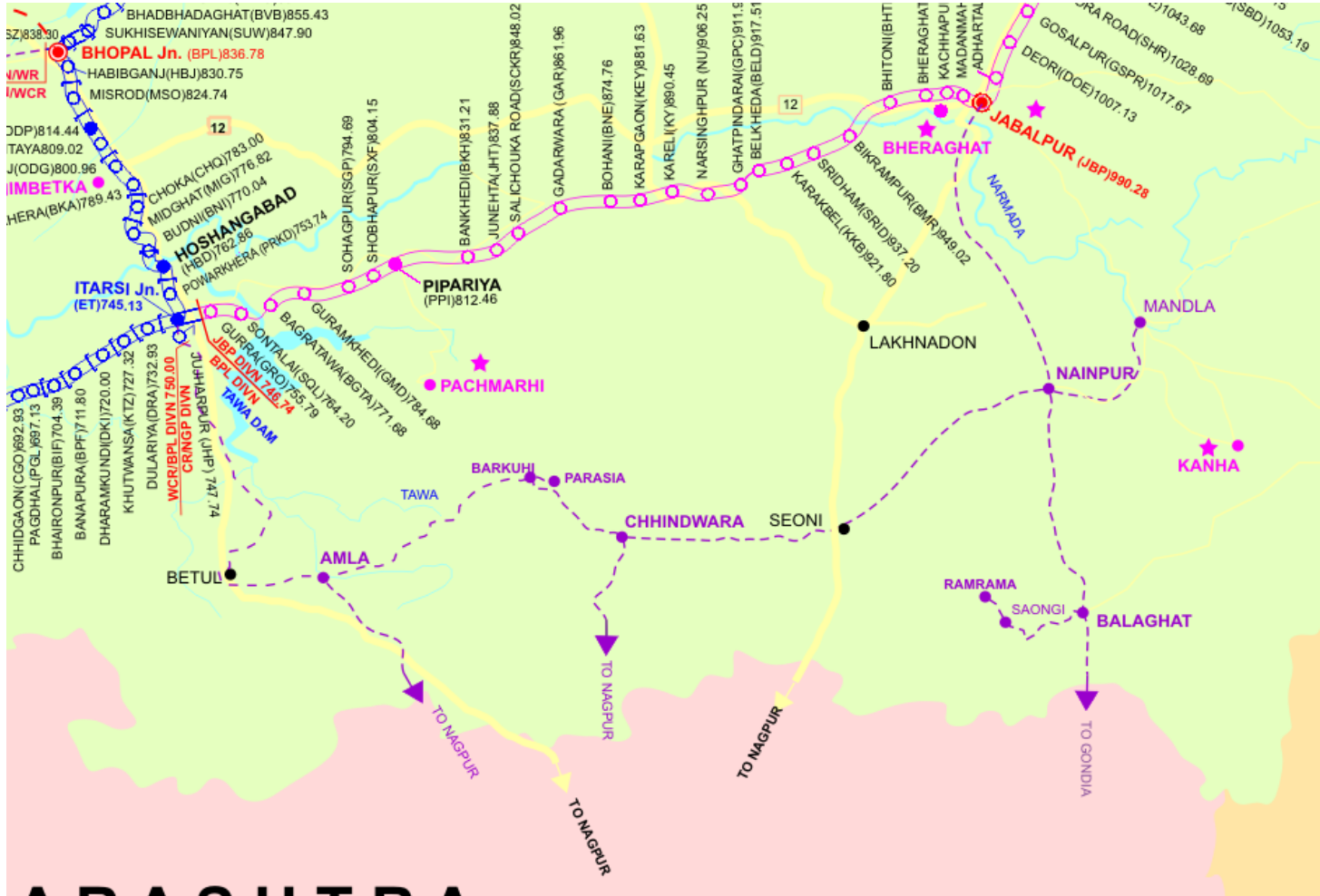
BHIND-ITAWA NEW RAIL LINE

GAUGE	:	BROAD GAUGE
TOTAL LENGTH	:	36 Km
LENGTH IN MP	:	20 Km
TOTAL COST	:	Rs.233 Cr.
YEAR OF SANCTION	:	1989-90
PRESENT STATUS	:	EARTHWORK & BRIDGE WORK IN PROGRESS

GONDIAYA TO JABALPUR GAUGE CONVERSION FROM M.G TO B.G

- **TOTAL LENGTH IS 230 KMS**
- **COST OF PROJECT IS RS 512 CRS AND FUNDED BY RAILWAYS INTERNAL RESOURCES**
- **GONDIYA TO BALAGHAT SECTION 42 KMS COMPLETED**
- **EARTH WORK FOR EMBANKMENT AND BRIDGE WORKS ARE IN PROGRESS BETWEEN BALAGHAT AND JABALPUR**

GONDIAYA TO JABALPUR



ELECTRIFICATION OF KOTA – BINA, MAKSI-DEVAS & UJJAIN-DEVAS-INDORE

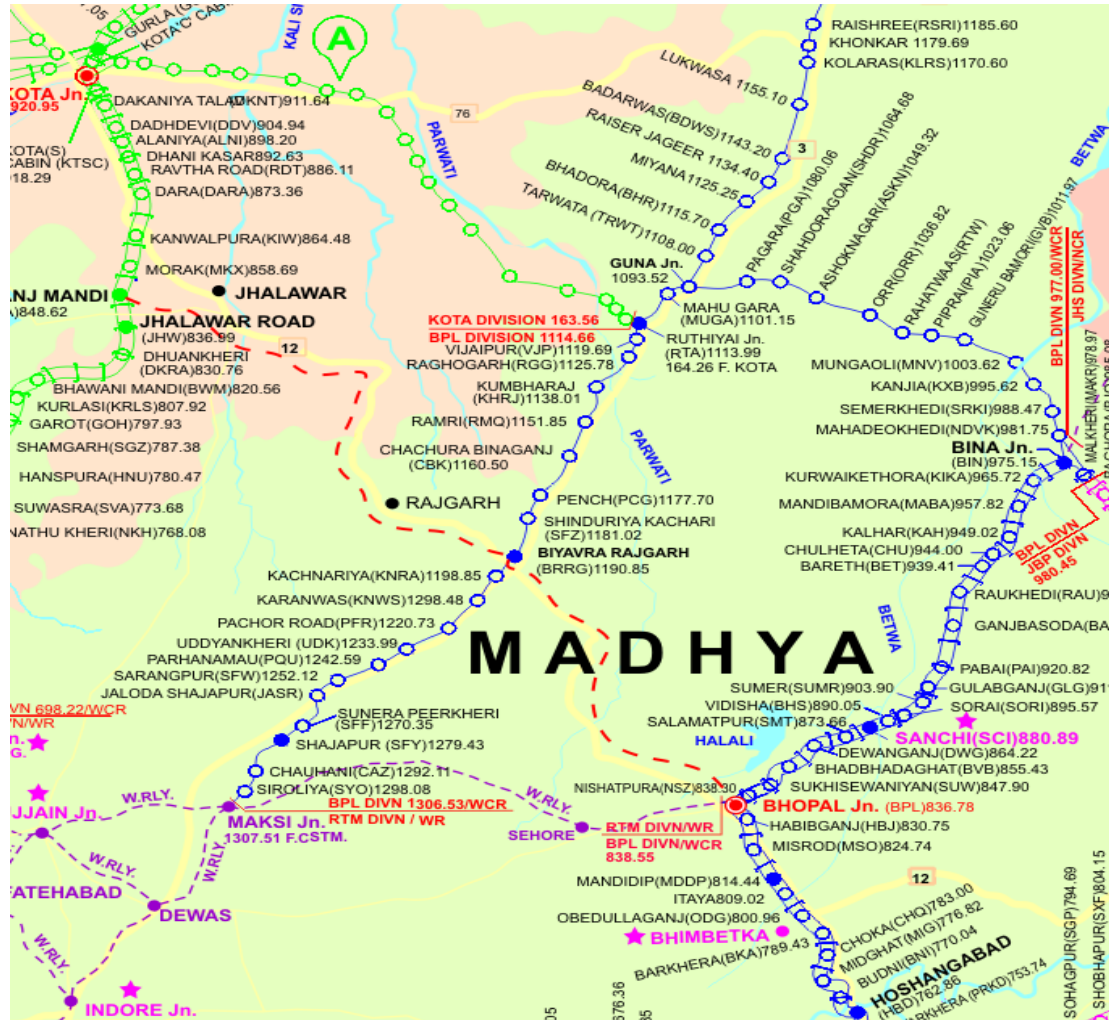
KOTA - BINA SECTION

➤	TOTAL LENGTH	=	303KM
➤	LENGTH IN MP	=	162KM
➤	TOTAL COST	=	168 Cr
➤	TARGET	=	2008-09

UJJAIN-DEWAS-INDORE & DEWAS-MAKSI SECTION

➤	TOTAL LENGTH	=	115 KM
➤	LENGTH IN MP	=	115 KM
➤	TOTAL COST	=	68 Cr.
➤	TARGET	=	2008-09

ELECTRIFICATION OF KOTA – BINA, MAKSI-DEVAS & UJJAIN-DEVAS-INDORE



ROAD OVER BRIDGES

- ON COST SHARING BASIS

- ❖ BHOPAL (LC No. 252A & 252B)
- ❖ KATNI (LC No 356A)
- ❖ MAYHER (LC No 359)
- ❖ INDORE (LC No 245 MG)
- ❖ MAKSI (LC No 51A

- ON BOT BASIS/NHAI/DEPOSIT

- ❖ KATNI BYPASS AT KM 1230/7-9
- ❖ SAGPUR AT KM 1059/1-2
- ❖ KARELI (NARSINGHPUR) AT KM 891/13-14
- ❖ REWA AT KM 1226/9-14
- ❖ BUDHNI AT KM 770/34-36
- ❖ GUNA AT KM 1097.99
- ❖ GUNA-GWALIOR AT KM 1176/6-7

ROAD UNDER BRIDGES (IN LIEU OF LEVEL CROSSINGS)

BINA-MAKSI SECTION	=	13 Nos.
KATNI-SINGRAULI SECTION	=	09 Nos.
BINA-KATNI	=	10 Nos.
GUNA-GWALIOR	=	05 Nos.
BHOPAL-BINA	=	<u>01 Nos</u>
	TOTAL	38 Nos

SURVEYS : COMPLETED / IN PROGRESS

Preliminary Engineering cum Traffic Surveys:

- **Guna – Ruthiyai Doubling**
- **Ramganjmandi – Ujjain New BG Line**
- **Katni - Provision of Grade Separator**
- **Itarsi – North – South Grade Separator/Flyover with Yard Remodelling**
- **Bhopal – Itarsi Third Line**
- **3rd Line Ratlam to Vadodra**

SURVEYS : COMPLETED / IN PROGRESS

Reconnaissance Surveys:

- 1. Jhansi to Sawai Madhopur via Shivpuri & Sheopur Kalan New BG line**
- 2. Bioara(Rajgarh)- Sironj-Bina New BG Line**
- 3. Jabalpur – Panna New BG Line**
- 4. Damoh to Kundalpur New BG Line**
- 5. Rewa-Mirzapur New BG Line**
- 6. Ratlam to Akola incl. Fatehabad – Chandravati ganj – Ujjain Gauge Conversion**
- 7. Ratlam to Banswara New B.G. Line**
- 8. Chindwara to Nainpur Gauge Conversion**
- 9. Jhansi to Bina 3rd Line**
- 10. Gwalior to Sheopur Kalan Gauge Conversion and extension up to Kota**

THANK YOU