



पश्चिम मध्य रेल
WEST CENTRAL RAILWAY

महाप्रबंधक की वार्षिक रिपोर्ट 2013-14

GENERAL MANAGER'S

ANNUAL REPORT

2013-14



रमेश चन्द्रा
महाप्रबंधक



पश्चिम मध्य रेल
West Central Railway

महाप्रबंधक कार्यालय
जबलपुर - 482 001

General Manager's Office
Jabalpur - 482 001 (M.P.)

Phone 0761-2627444 (O)
Fax 0761- 2628133, 2677703

No. WCR/HQ/STAT/505/GM/AR/2013-14

19th November, 2014

सचिव/The Secretary,
रेल मंत्रालय/Ministry of Railway,
रेलवे बोर्ड/Railway Board,
नई दिल्ली/New Delhi.

विषय: वित्तीय वर्ष 2013-14 के लिये महाप्रबंधक की वार्षिक रिपोर्ट
Sub: GM's Annual Report for the financial year 2013-14

- - - - -

मैं इसके साथ वित्तीय वर्ष 2013-14 में संपन्न पश्चिम मध्य रेल के कार्य की अपनी वार्षिक रिपोर्ट भेज रहा हूँ।

I forward herewith my Annual Report on the working of West Central Railway during the financial year of 2013-14.

संलग्न: यथोक्त
DA: As Above

(रमेश चन्द्रा)

KEY STATISTICS - WEST CENTRAL RAILWAY

SN	ITEMs		UNIT	2013-14	2012-13
I-PLANT & EQUIPMENTS:					
1	Capital- at- charge		₹ in Crores	3745.44	3133.77
2	Total Investment		₹ in Crores	10715.37	9270.47
3	Route Kms.		Kms.	2992.07	2991.61
4	Running Track Kilometres		Kms.	4741.89	4721.37
5	Locomotives		Nos.	947	911
6	Passenger Carriages		Nos.	1226	1151
7	Wagons		Nos.	10326	9694
8	Railway Stations		Nos.	294	294
II-OPERATION:					
1	Passenger	Train Kms.	Millions	39.47	38.35
		Vehicle Kms.	Millions	1600.99	1507.77
2	Freight	Train Kms.	Millions	27.96	28.92
		Wagon Kms.	Millions	1384.73	1415.88
III-VOLUME OF TRAFFIC:					
1	Passenger Originating		Millions	142.55	144.77
2	Passenger Carried		Millions	281.43	280.53
3	Passenger Kms.		Millions	73093.80	70622.10
4	Tonnes Originating				
i	Revenue earning Traffic		Millions	36.63	36.58
ii	Total Traffic (Rev+Non-revenue)		Millions	37.00	36.93
5	Tonnes Carried				
i	Revenue earning Traffic		Millions	135.15	138.99
ii	Total Traffic (Rev+Non-revenue)		Millions	135.94	139.70
6	Tonne Kms.				
i	Revenue earning Traffic		Millions	54574.60	52719.30
ii	Total Traffic (Rev+Non-revenue)		Millions	54616.40	52770.40
IV-EMPLOYMENT AND WAGES:					
1	Regular Employees		Units	57605	57644
2	Annual Wages of employees		₹ in Crores	2221.80	1926.71
3	Average wages per employee		₹ in Lakhs	3.86	3.34
V-FINANCIAL RESULTS:					
1	Gross Earnings		₹ in Crores	8736.99	7902.52
2	Total Working Expenses		₹ in Crores	6208.93	5387.76
3	Operating Ratio		Percent	71.06%	68.18%
3	Net Earnings		₹ in Crores	2528.06	2514.75
4	Gross traffic receipts		₹ in Crores	8736.18	7899.17
5	Net traffic Receipts		₹ in Crores	2571.55	2488.68
6	Net Misc. Receipts		₹ in Crores	3.58	39.88
7	Net Revenue Receipts		₹ in Crores	2575.13	2528.56
8	Dividend to General revenue		₹ in Crores	170.79	124.56
9	Gain		₹ in Crores	2404.34	2404.00

विषयसूची / INDEX

अध्याय CHAPTER	विभाग DEPARTMENTS	पृष्ठ संख्या PAGE NO.
--	प्रयुक्त शब्दावली / GLOSSARY	02
01	प्रशासन / ADMINISTRATION	03-07
02	लेखा / ACCOUNTS	08-16
03	अभियांत्रिकी / CIVIL ENGINEERING	17-38
04	वाणिज्य / COMMERCIAL	39-43
05	विद्युत् / ELECTRICAL	44-58
06	यंत्रिक / MECHANICAL	59-79
07	चिकित्सा / MEDICAL	80-83
08	परिचालन / OPERATING	84-87
09	कार्मिक / PERSONNEL	88-96
10	जनसंपर्क / PUBLIC RELATIONS	97
11	राजभाषा / RAJBHASHA	98-100
12	संरक्षा / SAFETY	101-107
13	सुरक्षा / SECURITY	108-113
14	संकेत एवं दूर.सं. / SIGNAL & TELECOM	114-117
15	भंडार / STORES	118-122
16	सतर्कता / VIGILANCE	123-129
17	सांख्यिकीय / STATISTICAL	130-142
--	परिशिष्ट / ANNEXURE-I & II	143-146
--	घनत्व चार्ट / DENSITY CHART	147

प्रयुक्त शब्दावली/GLOSSARY

ब्याज देय पूँजी (Capital at Charge):	रेलवे की पूँजी परिसम्पत्ति का बही मूल्य।
सकल अर्जन (Gross Earning):	किसी लेखा अवधि का सही अर्जन चाहे वह वास्तव में वसूल हुआ हो अथवा नहीं।
संचालन व्यय (Working Expenses)	यातायात के लिये खोली गयी लाइनों के प्रशासन, परिचालन, अनुरक्षण और मरम्मत के संबंध में किया गया खर्च। इसमें प्रस्थापना और नवीकरण की लागत पूरी करने के लिये पेंशन निधि में विनियोजन और आरक्षित निधि में किया गया अंशदान भी शामिल है।
परिचालन अनुपात (Operating Ratio)	संचालन व्यय का सकल अर्जन के साथ अनुपात।
इंजिन किलोमीटर (Engine Kilometre):	इंजिन द्वारा अपनी शक्ति से तय की गयी एक किमी. दूरी।
इंजिन घंटे (Engine Hours):	इंजिन के शेड से चलकर शेड में वापस पहुँचने तक का समय।
गाड़ी किलोमीटर (Train Kilometre):	दूरी माप का यूनिट जो गाड़ी के एक किमी. गमन दूरी के बराबर है।
गाड़ी इंजिन घंटे (Train Engine Hours):	गाड़ी के साथ इंजिन के रवाना होने से लेकर गंतव्य तक पहुँचने तक का कुल समय।
निवल टन (Net Load):	किसी वाहन द्वारा ढोये गये यात्रियों, माल असबाब का वजन।
ढोया गया टन भार (Tonnes Carried):	आरंभिक लदान, दूसरी रेलवे या आमनों से प्राप्त माल एवं उस रेलवे से गुजरने वाले माल की मात्रा (टन में) का कुल योग।
निवल टन किमी.(Net Tonne Km.):	एक टन माल (जिसमें परिवहन के लिये प्रयुक्त वाहन का वजन शामिल नहीं है) की एक किमी. तय की गयी दूरी के माप की ईकाई।
सकल टन किमी. (Gross Tonne Km.):	कार्य माप का यूनिट जो वाहन, माल और मोटिव पावर के साथ अथवा नहीं के द्वारा एक किमी. तय की गयी दूरी के बराबर है।
प्रारंभिक यात्री (Passenger Originating):	रेलवे के एक गेज से बुक किये गये यात्रियों की संख्या।
ढोये गये यात्री (Passenger Carried):	का आशय है रेलवे पर यात्रा प्रारंभ करने वाले यात्रियों की संख्या और अन्य रेलों से आने वाले यात्रियों की संख्या तथा उस रेलवे से गुजरने वाले यात्रियों की संख्या का योग।
यात्री किलोमीटर (Passenger Km.):	यूनिट जो एक यात्री की एक किमी. तय की गयी दूरी के बराबर है।
मार्ग किमी.(Route Km.):	रेलवे के स्वामित्व वाली चालित लाइनें जिसमें प्रत्येक आमन की दूरी को इकहरी लाइन माना गया है।
चालू रेलपथ किमी.(Running Track Km.):	मार्ग किमी दूरी के अलावा बहुसंख्यक रेल पथों की अतिरिक्त दूरी अर्थात् दुहरी, तिहरी आदि रेल पथों का योग जिसमें साइडिंगों, यार्डों और स्टेशन पर क्रासिंग रेलपथ शामिल नहीं होगा।
समेकित रेलपथ किमी.(Equated Track Km.):	रेलपथ के किलोमीटर की दूरी जिसे यातायात के घनत्व, ढाल, भूमि की बनावट, संरक्षण, वर्षा और रेलपथ के जोड़ तथा अभिन्यासों के कारकों को महत्व देकर मानक यूनिट के समीकृत किया गया हो।

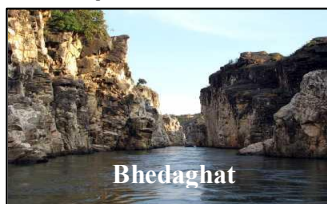
1. प्रशासन / GENERAL ADMINISTRATION

With the Gazette notification by the Ministry of Railways, proclaiming the formation of West Central Railway, the new Zone became a reality on 1st April 2003. The territorial jurisdiction of West Central Railway extends from Khandwa (excluding) to Manikpur (excluding) on the Mumbai-Howrah route, via Itarsi-Jabalpur, in the West-East direction and from Mathura (excluding) to Nagda (excluding) on Delhi-Mumbai route via Ratlam forming a part of golden quadrilateral of Indian Railways. In the North-South direction, the Zone has Bina (including). Bhopal-Itarsi (including) section of Delhi-Chennai trunk route. In addition, important freight corridor of New Katni Jn.-Bina and branch line sections of Katni-Singrauli, Satna-Rewa, Jukehi-Kymore, Bina-Guna-Kota, Kota-Chanderiya (excl.) are also within the jurisdiction of this railway.



Important Stations

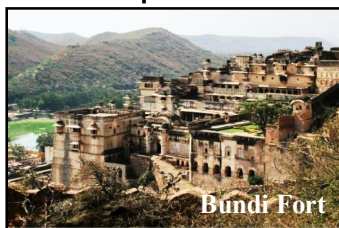
The important stations of West Central Railway are:



- **Jabalpur:** Bheraghat which is famous for marble rocks and waterfall is in Jabalpur. Also Kanha National Park is about 190 Kms from here.
- **Katni:** Bandhavgarh Wildlife Sanctuary is about 65 Kms from here. Also an important Railway junction.
- **Satna:** World famous Khajuraho temple is about 150 Kms. from

Satna. Also major cement industries are located near Satna.

- **Maihar:** is famous for Maa Sharda Devi Mandir and Maihar cement siding.
- **Bhopal:** The capital of the State of Madhya Pradesh. Habibganj Station- the first handicap friendly ISO 9001-2000 certified station is near Bhopal.
- **Itarsi:** an important Junction on New Delhi-Mumbai, New Delhi-Chennai and Mumbai-Howrah routes. It has Electric and Diesel Loco sheds.
- **Kota:** The business hub of Rajasthan famous for Cotton Sarees of Kota.
- **Sawai Madhopur** is famous for tiger sanctuary at Ranthambore.
- **Bharatpur** is famous for Kevladev Bird sanctuary.



- **Piparia:** Pachmarhi hill station is about 65 Kms. from Piparia Railway Station.
- **Bundi:** Bundi station on Kota-Chittaurgarh route is famous for Bundi Fort just 36 km from Kota a tiny picturesque town. One of the unexplored cities with a rich historical wealth. Once a part of Kota, it was ruled by the Had Chauhans.

TEAM WCR

1	General Manager	:	Shri Ramesh Chandra
2	Senior Deputy General Manager/CVO	:	Shri Ram Gopal
3	Principal Chief Engineer	:	Shri J.S.Sondhi
4	Chief Operations Manager	:	Shri Anurag
5	Chief Commercial Manager	:	Shri S. C Jethi
6	Chief Mechanical Engineer	:	Shri Alok Dave
7	Chief Electrical Engineer	:	Shri A. K. Kapoor
8	Financial Advisor & Chief Accounts Officer	:	Smt. Anuradha Mukhedkar
9	Chief Signal & Telecom Engineer	:	Shri S. P. Trivedi
10	Chief Safety Officer	:	Shri B.K. Gupta
11	Controller of Stores	:	Shri D.S.Jangapangi
12	Chief Personnel Officer	:	Shri Sunil Bajpai
13	Chief Security Commissioner	:	Shri S. C. Sinha
14	Chief Medical Director	:	Dr. Smt. S.L. Patra
15	DRM Bhopal	:	Shri Rajeev Choudhary
16	DRM Jabalpur	:	Shri A. K. Singh
17	DRM Kota	:	Ms. Archana Joshi
18	CWM CRWS Bhopal	:	Shri Laxmi Raman
19	CWM WRS Kota	:	Shri Kundan Kumar

Passenger Traffic

Total number of Passenger trains running per day (as on 31-03-2014)

ITEMs	Nos.	ITEMs	Nos.
No of Mail/Express Trains	546	No of Passenger Trains	112
a. Daily	152	No of Rajdhani Trains	16
b. Weekly	220	No of Shatabdi Trains	04
c. Bi-weekly	84	No of Jan Shatabdi Trains	04
d. Tri-weekly	60	No of Garib Rath Trains	08
e. 4 days in a week	16	No. of Duranto Express Trains	16
f. 5 days in a week	12	Rajya Rani	02
g. 6 days in a week	2	Total number of Trains per day	708

Freight Traffic (Commodity Loaded)

Commodity: Cement & Clinker

31.03.2014

Division	Sidings	Capacity per annum
Jabalpur	ACC Cement Siding at Jukehi	2.50 MT
	Birla Cement Siding at Satna	1.75 MT
	Maihar Cement Siding at Maihar	4.25 MT
	Diamond Cement Siding at Damoh	1.75 MT
	JP Rewa Sidings at Turki Road and Satna	7.00 MT
	Prism Cement Siding at Hinauta	2.00 MT
Kota	Mangalam Cement at Morak	1.50 MT
	Shri Ram Fertilizer & Chemicals at Dadh Devi	1.40 MT
	ACC Cement Siding at Lakheri	0.40 MT

Commodity: Fertilizer

Division	Sidings	Capacity per annum
Kota	Shri Ram Fertilizer & Chemicals at Dadh Devi	0.36 MT
	Chambal Fertilizer & Chemicals Ltd., Bhonra Siding	1.97 MT
Bhopal	National Fertilizer Limited Vijaypur	1.98 MT

Commodity: LPG

Division	Sidings	Capacity per annum
Bhopal	GAIL Siding Vijaypur	0.51 MT

Other Commodities

Other commodities loaded are Iron ore, De-Oiled cake (DOC), Bauxite, Food Grain, Bamboos, Limestone, Gypsum, Mustard oil, Dhanja etc. and Fly Ash from PCMC also.	Capacity per annum approx. 9.00 MT
---	------------------------------------

(MT=Million Tonnes)

IMPORTANT ASSETS

Workshops

31.03.2014

Workshops	Work done	Capacity	ISO Awards	Other Awards
Coach Rehabilitation Workshop (CRWS), Bhopal	Midlife rehabilitation (MLR) of coaches	50 coaches per month	ISO 9001:2000, 14001:2004	Occupational Health and Safety Assessment Series 18001 certificate
Wagon Repair Shop (WRS), Kota	POH of wagons (Oil tank and LPG wagons)	440 wagon units per month	ISO 9001:2000, 14001:2004	Occupational Health and Safety Assessment Series 18001 certificate
BOXN ROH Depot, New Katni Jn.	ROH Of BOXN wagons	550 BOXN wagons per month	ISO 9001:2000 certificate	

Sheds

31.03.2014

Sheds	Total Loco Holding	Type wise Holding	ISO Awards	Other Awards
Electric Loco Shed, TKD	204 as on 31.03.14	94 WAG-5 29 WAG-7 41 WAG-9 20 WAM-4 20 WAP-7	ISO 9001:2000, 14001:2004	Occupational Health and Safety Assessment Series 18001 certificate
Electric Loco Shed, Itarsi	178 as on 31.03.14	36 WAM-4 58 WAP-4 84 WAG-5	ISO 9001:2000, 14001:2004	Occupational Health and Safety Assessment Series 18001 certificate
Electric Loco Shed, New Katni Jn.	188 as on 31.03.14	114 WAG5 74 WAG7		
Diesel Loco Shed, New Katni Jn.	199 as on 31.03.14	26 WDM2 122 WDG3A 37 WDM3A 08 WDG-4 04 WDM2 INF 02 Accident /UC	ISO 14001:2004 ISO 9001:2000	
Diesel Loco Shed, Itarsi	178 as on 31.03.14	23 WDM2, 67 WDM3A, 42 WDM3D, 08 WDP-4B 09 WDP4D 03 WDM2 INF 03 Accident/UC	ISO 9001:2000, 14001:2004	Occupational Health and Safety Assessment Series 18001 certificate

PHYSICAL INFORMATION OF WCR:**31.03.2014****1. State-wise Route Kms/Running Track Kms.**

State	MP	Rajasthan	UP	Total
Route Kms	2180.134	758.22	53.72	2992.074
Running Track Kms	3458.754	1179.47	103.67	4741.894

2. Division-wise Route Kms/Running Track Kms.

Divisions	Jabalpur (MP+UP)	Bhopal (MP)	Kota (MP+UP+Raj)	Total
Route Kms	1083.294	1012.46	896.32	2992.074
Running Track Kms	1845.28	1455.51	1441.10	4741.894

3. Route-wise Route Kms/Running Track Kms.

Routes	A	B	D/Spl	D	E	Total
Route Kms	787.05	699.82	419.76	343.78	741.664	2992.074
Running Track Kms	1587.92	1380.04	687.8	343.78	742.354	4741.894

4. Total Track Kms (incl. Yard and Sidings) : 6178.303

5. Equated Track Kms : 9030.26

6. Level Crossings: :

a. Manned : 787, b. Unmanned : 118, c. Total : 905

7. Bridges:

(a) Important	(b) Major	(c) Minor	(d) FOB	(e) RUB	(f) TOTAL
217	414	5430	98	264	6423

8. Total number of stations : 300

(Excluding Block Huts as per Commercial Records)

Class A1 -	03	(Annual Passenger Earning > ₹60 crores)
Class A -	14	(Annual Passenger Earning bet ₹8 and ₹60 crores)
Class B -	14	(Annual Earning between ₹4 and ₹8 crores and Tourist importance)
Class C -	NIL	(Suburban)
Class D -	34	(Annual Earning between ₹60 lakhs and ₹4 crores)
Class E -	194	(Annual Earning below ₹60 lakhs)
Class F -	41	(Halt Stations)

2. लेखा/ACCOUNTS

1. INTRODUCTION

Accounts Department of West Central Railway is headed by a CHOD officer (SAG) assisted by 03-SAG officers, 06-SG officers, 06-JAG officers, 20-Sr.Scale officers and 11-JS/AS officers posted in HQ., Cash & Pay, EDP centre, three Divisions (JBP, BPL & KOTA), two workshops (CRWS/BPL & W&S/KOTA), and three Construction units (JBP, BPL & KOTA).

2. MAN POWER

The total sanctioned strength of Group-C & D staff including revenue and work-charged posts is 893 and operated strength is 752. There are 141 posts lying vacant in Accounts Department.

3. AWARD WON BY STAFF OF ACCOUNTS DEPARTMENT FOR 2013-14

Shri R. M. Deshmukh, AFA/HQ(PF/Pension) and Shri Hariom Rajoria, AA O/o Sr.DFM/BPL have been honoured individually with 59th Railway Week Award 2013-14 at GM level alongwith one Group Award to Sr. DFM/JBP for meritorious work.

4. PERFORMANCE OF VARIOUS SECTIONS OF ACCOUNTS DEPARTMENT

4.1 ADMINISTRATION

i. **Adminstration:** On Account Department of WCR total 893 Gr. C & D employees are on roll and since the cadre of all account staff have been maintained centralised hence all related activities such as . Posting, Transfer, Promotions etc. are being done at Head Quarter level only.

ii. Achievements of Administration Section

- a) Appendix-IIA exam conducted successfully in September 2013.
- b) Appendix-IIIA (Part-II) exam conducted successfully in Jan-Feb 2014.
- c) Departmental Typing test conducted successfully in February-2014.
- d) One court cases disposed off in favour of Railway Administration due to exceptional efforts.
- e) Grant of Financial upgradation benefit under MACPS to 77 employees of Accounts Department.
- f) Promotion of 01-Accounts Clerks & 01 JAA, to AA, 01-ASV to Sr.ASV & 04 Jr. Steno to Sr.Steno in time.
- g) Selection for ASV has been done in Oct.-Nov. 2013.
- h) Selection for PS-II has been done in Nov- Dec. 2013.
- i) S Selection for Group-B post as AAO/ADFM through LGES & LDCE quota has been done successfully in August-2013 & January-2014 respectively.
- j) 44- Online & 03-offline grievances reeived during the financial year and all been disposed timely and promptly.

4.2 BUDGET SECTION

Budget section is a hub of information for earning & expenditure of WCR. It is primarily responsible for preparation of budget & assessment/reassessment of requirements of field units. It works in close co-ordinate with field Executive/Accounting Units on their requirements as well as distribution of Budget Grant/Rivised Grant/Final Grant and strives for control of expenditure.

The expenditure control by this section is based on submission of performance Budget & Outcome Budget, preparation of monthly Budget proportionate & mothly financial review to FA&CAO for Revenue & Works Demands as well as scheduled 03 stage budget review viz. August Review, Revised Estimate/Budget Estimate and Final Modification Estimate.

Overall ₹4722.39 Cr. Spent by WCR against Final Grant of ₹4798.26 Cr. During financial year 2013-14, in which ₹75.87 Cr, is saving, the saving is under Demand no 3, 4, 5, 8, 9, 11 & 12 and total expenditure incurred (-) 1.58% than Final Grant. Total Revenue earned ₹8737 Cr. against target of ₹8610 Cr. and expanded surplus earning of ₹127 Crores, this resulted the Operating Ratio achieved 69.83% against target of 71.35%.

4.3 FINANCE

Head quarters Finance section is entrusted to carry out financial scrutiny of expenditure and establishment proposals mooted from divisions, workshops and HQ. These proposal includes revenue proposals, M&P proposals (at Railway Board level/GMs level) PWP proposals (at Railway Board level/GM level). Vetting/concurrence of estimates, brief notes, quotations, rates analysis, contract agreement, variation statements, re-appropriation funds, hiring of vehicles and general policy matter as well as SOPGEN revision proposals of all departments of open line and construction organization, creation of revenue/work charged posts and extension of work charged post and all other finance establishment matter.

The total numbers of proposals dealt during the period from April 2013 to March 2014 under different categories are detailed as below:-

Sr. No.	Type of proposal	No. of proposal	
		2012-13	2013-14
1.	Misc. Revenue Proposals	1445	1502
2.	M&P proposals of Rly. Bd.level & GM lump-sum grant	226	100
3.	Work programme proposals of Railway Bd. Level and Zonal level	391	305
4.	Vetting of estimates, Brief notes, rate analysis, contract agreement and concurrence on variation statement	80	125
5.	SOPGEN matter	10	08
6.	FE proposals	248	481
7.	Medicat reimbursement	64	103

Note: System improvements-

- (1) A register has been maintained for allotment and utilization of D&G cargoes for creation/extension of work charged post in order to ensure that creation/extension is within the allotted D&G.
- (2) Revision of SOPGEN has been done (chapt. I work matter).

Savings:-

The total saving achieved during the period April 2013 to March 2014 as a result of objective scrutiny of finance proposals is ₹ 3545.66 lakhs.

4.4 EXPENDITURE

i. Brief description about work handled by Expenditure Section/Head Quarters

- a) To check & pass the Contractors Bills, SAIL Bills, RITES Inspection fee Bills, G. R. P.Bills, Misc Petty Bills (Advertisement, Advocate bills, News Paper, Petty purchase, etc.), Hiring of Private Vehicle, AMC bills.
- b) To prepare the returns of Railway Board & HQ.
- c) To prepare all the annexure related with Expenditure Section of Appropriation Accounts.
- d) To prepare the T.Cs & JVs for accountal of Cash Suspense.
- e) To maintain the accountal of commercial tax, State tax, etc.
- f) To maintain the register of Bank Guarantee and related work.
- g) To maintain the register of Un-Sanctioned Expenditure.

- h) To maintained all Suspense Register of Deposit X, Deposit Work, Deposit S.D, Misc Advance Revenue.
- i) To the accountal of IRFA, IRCA, IRFC etc.

ii. Performance parameter figures for 2013-14 increase/decrease in work handled.

Description	2012-13	2013-14	% Variation Over 2012-13
Bills & PO Passed	4538	4446	(-) 2.02% decrease

iii. Special Achievement during 2013-14

- a) IRFA- Credit earnings ₹ 217.17 Crores (102.00 Crores during the year 2012-2013) has been achieved during year inspite of increasing the data collection on account of Electric loco, Diesel Loco and Bogie vehicle days.
- b) Recovered the old outstanding amount of ₹ 5.73 Crores towards unauthorized occupation of GRP Staff as penal rent, electricity/Water charges and transferred to Railway Earning during the financial year 2013-14.
- c) Claim CENVET Credit ₹ 25.79 Crores (due to service tax paid by Railway).

4.5 BOOKS

i. Main Ares of concern for Books Section

- a) To prepare the reports on receipts (earnings) and outgoing (expenditure) of the zonal railway. In this regard an actual and approximate account current is prepared for each month of the financial year and submitted to Railway Board.
- b) To ensure that railway earning are credited correctly to the railway account maintained in Reserve Bank of India.
- c) To ensure that the payments made by railway to staff and outside bodies are cocorrectly debited to the railway account maintained in Reserve Bank of India.
- d) To ensure that receipts and payments made to various government departments are in order.
- e) To control over railway\$ expenditure through exchequer control, cas outgo etc.
- f) To authorize bank for payments to staff and outside bodies through issue of cheques and ensure that the payment is being made to the concerned only.
- g) Accountal of receipts and payements made on behalf of other railways and made by other railways on behalf of WCR through a web based programme called eRecon.

ii. Achievement of Books Section during the year 2013-14

- a) Successful reconciliation of transfer transactions through eRecon (a web based programme).
- b) Compilation, preparation and submission of monthly and periodical reports viz. Approximate Account current, Actual Account current, Cash outgo, half yearly suspense review have been carried out successfully within the time schedule throughout the year.
- c) The electronic payments of contractors/suppliers/staff salary through RTGS/NEFT are successfully running in the zone.
- d) Proper and up to date accountal of remittance into bank have been done throughout the year.
- e) Proper control over expenditure through £Exchequer Controlq has been carried out throughout the year.

4.6 PENSION/PF/NPS

During the financial year 2013-14 commendable work excuted i.e. realizing credit of ₹ 5 Crores against over payment of pension by public sector banks, updating of WCR Pension Master of 62009 pensioners, uploading of pensioner\$ data of 47500 (WCR pensioners) on Indian Railway Pension Portal, Suo-Motto Revision of 13800 pre-2006 pension cases, streamlining of Pension Budget and Preparing & publishing NPS pamphlet for 18000 NPS

employees of WCR which inaugurate by GM/WCR. Since August 13 Normal Retirement PPO of all the units of WCR are dispatched & delivered by HQ to nodal branch of Banks on 5th & 6th of next month in which employee retired, This is done to avoid delay in commencement of Pension.

4.7 TRAFFIC

Traffic Accounts Branch is headed by FA&CAO(T) who is assisted by Dy.FA&CAO(T), Sr.AFA/(T), AFA (Cog), AFA (Goods) and SrAFA(TIA) are responsible for check of station accounts, rendering financial advice on earnings proposals, billing to govt. departments and compilation of earnings.

i. Originating Earnings

Total originating earning for the year 2013-14 was ₹ 4763.86 Crores, details are as under:-
(₹ in Crores)

Category	Actuals 2012-13	Target 2013-14	Actuals 2013-14	%Variation over 2012-13 actuals	%Variation over Target
Passenger	981.94	1128.55	1159.24	18.06	2.72
OCH	83.56	116.00	110.74	32.53	-4.53
Goods	3251.86	3474.82	3405.89	4.74	-1.98
Sundries	92.00	102.00	87.99	-4.36	-13.74
Total	4409.36	4821.37	4763.86	8.04	-1.19

ii. Apportioned Earnings

Total apportioned earning for the year 2013-14 was ₹ 8736.99 Crore. Details are as under:-
(₹ in Crores)

Category	Actuals 2012-13	Target 2013-14	Actuals 2013-14	%Variation over 2012-13 actuals	%Variation over Target
Passenger	2017.80	2368.10	2330.53	15.50	-1.59
OCH	73.04	116.00	116.95	60.12	0.82
Goods	5718.49	6023.59	6201.54	8.45	2.95
Sundries	93.18	102.00	87.97	-5.60	-13.75
Total	7902.52	8609.69	8736.99	10.56	1.48

iii. Financial results (Actuals)

(₹ in Crores)

Category	Actuals 2012-13	Budget Target 2013-14	Final Grant 2013-14	Actuals 2013-14	Variation between col 4&5	Variation between col 2&5
1	2	3	4	5	6	7
Passenger	2017.80	2745.06	2368.10	2330.53	-37.57	312.73
OCH	73.04	83.00	116.00	116.95	0.95	43.91
Goods	5718.49	5950.58	6023.59	6201.54	177.95	483.05
Sundries	93.18	106.00	102.00	87.97	-14.03	-5.22
Total	7902.52	8884.64	8609.69	8736.99	127.30	834.57
Suspense	-3.35	1.00	1.00	-0.81	-1.81	2.54
Gross Traffic receipt	7899.17	8885.64	8610.69	8736.18	125.49	837.01

iv. Achievements during 2013-14

- a) Diverted Goods traffic earnings- Additional Goods apportioned earnings due to diversion of goods traffic over WCR in 2013-14, received additional goods earning of ₹576.15.
- b) On scrutiny of various finance (commercial) proposals and refund cases Traffic Accounts, the saving of ₹4.27 lakh have been achieved in 2013-14.
- c) During the year 323 goods and 15710 coaching refund cases and 33 Traffic finance proposals were cleared to end of March-2014.

v. Important cases detected by TIA's during the year 2013-14.

S.No.	Divn	Particulars	Amt.in ₹
1	KOTA	Incorrect charging of empty haulage charges and non-levy of charges for generator car and engine detention charges in booking of special train at Kota.	21,70,845
2	KOTA	Non-Collection of engine shunting charges, detention charges, demaurrage charges and sevice tax thereon at Sawaimadhopur Weigh Bridge.	9,76,895
3	KOTA	A case of fraudulent use of UTS ticket at Shamgarh Booking. In which low value ticket of Rs. 5/- generated and high value ticket of Rs. 705/- printed on save stationary by manipulating the printer. Excess amount was pocketed by the operator.	700
4	JBP	A case of issue of balnk platform ticket generated and high value ticket of Rs. 420/- printed on saved stationary at piparia Station by manipulating the printer which subsequently sold on high value of Rs. 420/-. Excess amount was pocketed by the operator.	420

4.8 STORE AND WORKSHOP

- i. Stores Accounts Branch handled the following work:-
 - a) Stores Finance proposals.
 - b) Purchase orders pre-check.
 - c) Workshop Efficiency Cell, RSP proposal, Bulk order RSP debits.
 - d) Stores Budget, vetting of indents, estimates, and comparative statements of stores tenders other than IREPS.
 - e) Purchase suspense other than Fuel (OFT).
 - f) Purchase Suspense (Fuel).
 - g) Stores Bills, CO 6 & Recovery.
 - h) Sales Suspense, DGS&D.
 - i) Paper securities.
 - j) PL unit and MMIS.
 - k) GBPL/Co ordination work of Stores Accounts Branch.

- ii. Performance for Purchase suspense other fuel (OTF),(Fuel), Sales suspense is as follows. (figures in Crores)

Items		Opening Balance as on 01.04.2013	Accretion	Clearance	Closing Balance as on 31.03.2014
Purchase Susp.(OTF)	Dr.	49.89	454.70	444.17	60.42
	Cr.	88.40	352.25	349.54	91.11
Purchase Susp.(Fuel)	Dr.	10.50	826.09	827.72	8.87
	Cr.	16.04	797.64	780.42	33.26
Sales Susp.		44.71	224.68	244.18	25.21
Purchase Susp.7130 DGS&D	Dr.	0.76	8.13	7.22	1.67
	Cr.	4.93	11.21	4.81	11.33
Purchase Susp.7110- Imported	Dr.	Nil	00	00	00
	Cr.	Nil	00	00	00

- iii. Total No. of incoming proposals during the year 2013-14

Section	Year	Incoming proposals	Cleared proposals	Saving in ₹ (Crores)
Purchase Orders(P.O)	2013-14	2054	2054	0.48
RSP	2013-14	56	56	62.88
Condemnations of wagons	2013-14	30	30	--
Indent/Estimate	2013-14	228	228	10.74
Finance proposals	2013-14	519	519	21.99
Bills Advance & R.O	2013-14	7722 nos	7722 nos	5

- iv. Special achievements:-

a) RTGS

All the auction mony is being collected through RTGS.

b) NEFT

All the payment of venders is being made through NEFT/RTGS.

c) Scrap Sale

100% e-auction is implemented in WCR.

d) Recovery in MMIS

The work of recovery from defaulting suppliers which was earlier done manually has been computerized by updating the finance module of MMIS. This has resulted in 100% compliance of recovery and saving of man power. Approx. Rs. 1.75 Crore has been recovered from defaulter firms.

e) Purchase Suspense

NCR has raised the debit including 2% incidental charge and 12.5% Departmental charges and T.C. has been accepted by this office. During the posting of purchase Suspense register, It is seen that 12.5% departmental charges is not in order. The matter was referred to FA&CAO NCR, who has agreed to stop the levy of department charges from April-2014 onwards.

f) Fuel Section

Due to regular watch on suspense balance, considerable clearance has been done in fuel suspense balances, Balance prior 2012-13 is cleared.

4.9 Zonal IT Centre:

Zonal IT Centre of WCR is headed by Sr EDP Manager/HQ and is under the professional control of FA&CAO. The work performed by Zonal IT Centre is as follows:

- i. The complete work of Financial Management System (FMIS) of all the 9 accounting units of WCR and generation of scheduled reports along with account current.
- ii. Preparation of 7A statement with other related statements of Goods Traffic Accounting by converting FOIS data from the month of Aug 2012.
- iii. Passenger Traffic accounting is run and generation of 6A (Apportionment) statements for Printed Card Tickets (PCT) & PRS. Total earnings, Passenger Kilometer, Safety Surcharge from PRS & PCT (Separately for Local and Foreign Traffic) are generated. Data is sent to RITES every month for processing and creation of Centralised apportionment statements.
- iv. Statement for Sundry Earnings, refund bills, accounting of Luggage and Parcel Booking are also prepared.
- v. Technical guidance is imparted to all departments on IT related matters. Technical clearance is given after scrutinizing the requirements of individual units tailored to their respective needs.
- vi. Billing of all types of Military and Police warrants are prepared. Top summary of Military & Police warrants is being prepared from the month of April 2012 as per requirement of Traffic Accounts.
- vii. EFT package is running successfully and generation of TTE's earnings, missing EFTs statements and other reports.
- viii. Sales and suspense package (P.Way) for JBP, BPL & Kota divisions is run and generation of Transaction register, List of rejected voucher, Statement 6 & 24 and stock master etc.
- ix. Allotment of consignee code to various units.
- x. Accountal of diesel fuel issued to other Railway's Locos at WCR fuelling points for raising debits.
- xi. Daily position of bill passing by accounts department is being uploaded on WCR site.
- xii. Management of IT Cadre in WCR Zone including selection/postings are being done by this Zonal IT centre as well as correspondence regarding IT Cadre formation with Railway Board.

4.10 CONSTRUCTION

i. Description of works handled by section under DY. FA&CAO@WCR/JBP

Sr. No.	Description of work handled by section
1.	Administration, Record, Audit & internal Audit, Expenditure, Efficiency, Suspense Excluding E-Suspense, Maintenance of work Register etc.
2.	Establishment Including E-Suspense, Provident Fund, Settlement & Pension Including New Pension Scheme.
3.	Finance Expenditure and Finance Establishment, Books, Budget and implementation of PRIME & AFRES.

ii. Performance Parameter Figures for 2012-2013 and 2014.

Sr. No.	Description of Work	2012-13	2013-14	Increase/Decrease
1.	Bills	125	135	+
2.	P.O.s	Nil	Nil	
3.	Estimates	47	55	-
4.	Proposals	222	207	-
	Totals	394	397	+

4.11 CASH AND PAY

i. Breif description about work handled by section under your control

रोकड़ कार्यालय जबलपुर एवं कोटा में लगभग 285 स्टेशनों एवं साइडिंगों से प्राप्त रेलवे आय की गणना की जाती है, एवं आय में प्राप्त रोकड़, डी0 डी0/चैक को बैंक में जमा किया जाता है।

ii. Performance parameter figures for 2012-13 and 2013-14.

Year 2012-13 (Fig in crores of ₹)

2012-13	Cash	DD/Cheque	Tr.Challan	EPO	ERR	Total
JBP	48.84	458.07	956.39	3.33	1788.21	3254.84
KOTA	41.12	22.71	365.28	0	383.54	812.66
Total	89.97	480.78	1321.67	3.33	2171.75	4067.5

Year 2013-14 (Fig in crores of ₹)

2013-14	Cash	DD/Cheque	Tr.Challan	EPO	ERR	Total
JBP	57.45	466.33	865.22	0	2132.21	3521.21
KOTA	52.3	23.17	380.17	0	379.36	835
Total	109.74	489.51	1245.39	0	2511.58	4356.21

EPO से प्राप्त आय में कमी का कारण यह है कि जबलपुर भोपाल एवं कोटा मंडल में स्टेशन के पक्ष में EPO जारी करने के स्थान पर क्रमशः ECC BANK एवं जैक्शन सहकारी बैंक के द्वारा सीधे हितग्राहियों के बैंक में राशि जमा करा दी जाती है ।

iii. Special achievements during 2012-13

वर्ष 2013 - 14 के दौरान माह मार्च 2014 में मार्गस्थ रोकड़ (CIT) को NIL किया गया।

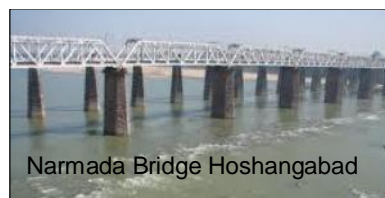
FINANCIAL RESULTS 2013-14 (Actuals) (Figures in Crores of ₹ on Net Basis)

Sr. No.	Items	Budget (FG) 2013-14	Actuals 2013-14	Actuals 2012-13	IR Actual 2012-13
1	2	3	4	5	6
1	Earnings: a. Coaching	2368.10	2330.53	2017.80	31016.92
	b. Other Coaching	116.00	116.95	73.04	2944.17
	c. Goods	6023.59	6201.54	5718.49	85180.50
	d. Sundry	102.00	87.97	93.18	4193.18
2	Gross Earnings(Total a to d)	8609.69	8736.99	7902.51	123334.77
3	Suspense	0.00	-0.81	-3.34	- 168.42
4	Gross Traffic receipt	8609.69	8736.18	7899.17	123732.59
5	Ordinary Working Expenses:-				
a	Genl. Suptdt. & Services (3A)	211.72	207.67	190.92	4996.26
b	R&M of P Way & Works (4B)	504.03	498.20	430.06	7511.76
c	R&M of Motive Power (5C)	392.73	387.22	347.42	3734.64
d	R&M of Carriage &Wag (6D)	291.31	302.35	251.01	8780.29
e	R&M of Plant & Equip (7E)	300.49	301.24	261.11	4629.80
f	Optg.Exp.Rolling Stock (8F)	408.06	407.82	379.51	7485.98
g	Operating Exp.- Traffic (9G)	735.46	666.23	707.49	14197.58
h	Operating Exp.- Fuel (10H)	1653.73	1664.7	1312.69	21722.58
i	Staff Welfare (11J)	178.25	177.39	155.65	3928.47
j	Misc. Working Exp. (12K)	101.99	122.15	106.94	3907.93
k	Retirement Benefits (13L)	31.06	31.67	23.97	975.68
	Total Ordy Working Expenses	4808.83	4766.64	4166.77	84184.23
6	Suspense	-10.57	-44.31	22.73	- 172.19
7	I. Appn. to DRF	261.00	317.22	286.00	6850.00
8	II. Appn. to Pension Fund	1073.00	1125.07	935.00	20710.00
9	Total W Exp. (OWE+Appn.to Funds)	6132.26	6208.93	5387.76	11157.20
10	Operating Ratio %	71.35	71.06	68.18	90.19

3. अभियांत्रिकी / CIVIL ENGINEERING

Scrap disposal has been done as 41448.00 MT during the year 2013-14 surpassing the target of 35000 MT.

Track renewal has been 192.54 CTR units during the year 2013-14 against the target of 127.00 CTR units.



Narmada Bridge Hoshangabad

1. Track Renewal carried out during 2013-14

Sr. No.	Description	Renewal	Total Kms.
1	Through Rail Renewal (Primary)	RR	225.45
2	Through Rail Renewal (Secondary)	RR	62.49
3	Through Sleeper Renewal (Primary)	SR	55.5
4	Through Sleeper Renewal (Secondary)	SR	41.64
Total	Through Rail Renewal (Primary + Secondary)	RR	287.94
	Through Sleeper Renewal (Primary + Secondary)	SR	97.14

2. Route Kms.

WCR route length stretches to 2992.07 Kms. with 1586.40 Kms. electrified and 4741.90 running track Kms. with 837.86 Kms. electrified. The total track Kms. stands at 6178.31 Kms. with 3687.43 Kms. electrified. The table below shows the network at the end of 2013-14



Year	Total Route Kms		Running Track Kms		Total Track Kms	
	Electrified	Total	Electrified	Total	Electrified	Total
2013-14	1586.00	2992.07	2837.86	4741.90	3687.43	6178.31

3. Concrete Sleeper Production during the Year 2013-14

60 Kg M/L Sleepers	L.C.	SEJ	T-out sleeper 1 in 12 set	T-out sleeper 1 in 8.5 set	D/Switch sleeper set	Bridge Approach sleeper	Br. Central	Wide Gauge	Total Production equivalent of M/L Sleepers
163614 Nos.	2086 Nos.	2405 Nos.	234 Sets.	226 Sets.	87 Sets.	522 Nos.	5441 Nos.	24982	4,15,174 Nos.

4. Salient features of the construction works executed by construction organization during the year 2013-14 are as below-

(1) New line Plan Head-11

- Ramgangmandi-Bhopal:-Passenger services started on 21.06.13 between Ramganjmandi- Jhalawar city.
- Lalitpur-Singrauli (Mawai to Khajuraho) new B.G. rail line

- i. Track linking between from Km.112.00 (Ishanagar) to Km. 142.000 (Chhatarpur) was completed and Engine rolling done on 16-01-2014.
 - ii. 2 nos. ROB (93/1 & 121/1), 02 no RUBs and 09 nos. Minor Bridges completed.
 - iii. Station Building and platform works with COP at Sarkanpur and Khargapur stations completed.
 - iv. Flush Butt welding work of 59 Km. (Km.65.00 to Km. 124.0) completed.
- (c) Lalitpur-Singrauli (Rewa-Sidhi) new B.G. rail line:-
 - i. Major Bridge at Ch: 2000 is completed.
 - ii. Earth work, Minor bridges, RUBs & Major bridges in first 20 km in progress.
- (2) Doubling Plan Head-15**
 - (a) Guna-Ruthiyai Doubling Project - Private Land (10.574 Hect.) acquired, Forest Land (8.455 Hect) & Govt. land (2.742 Hect) acquisition is under process. Construction of Staff quarters at Guna, Mahugarha & Ruthiyai are in progress.
 - (b) Ghatpindrai-Belkheda patch doubling (5.561 Km)
 - i. All tender finalized. E/W and bridge work in progress.
 - ii. 83000 m3 out of 95000 earthwork in formation has been completed.
 - iii. 3 Nos. of minor bridges out of 4 completed.
- (3) Traffic Facility Plan Head-16**
 - i. Mandideep: Extension of DN Platform for 24 coaches completed. Extension of JBP old loco shed pit No.1 by 6 coach length completed.
 - ii. Upgradation with panel interlocking work at Mahroi, Vijaysota, Chhateni & Marwasgram stations on KTE-SGRL section has been commissioned.
 - iii. Extension of JBP old loco shed pit no.1 by 6 coach length has been completed.
 - iv. Kota- Construction of building in connection with remodeling of passenger yard with Route Relay interlocking.
 - v. New crossing station %Kesholi+ bet Kota-RTA section CRS inspection done on 14.02.2014.
- (4) ROB/RUB plan head-30**
 - i. Maihar Yard-ROB in lieu of level crossing No. 379: ROB commissioned on 02.07.13 and LC closed.
 - ii. Shobhapur- Road over & under bridge in lieu of manned level x-ing No.318: Railway portion completed on 15.05.13
 - iii. Gangapur City . Chhoti-Odai ROB in lieu of level crossing No.180: Railway portion completed on 20.12.13
 - iv. Bajrang garh- Guna ROB in lieu of LC No. 63: Railway portion completed on 10.01.14
 - v. Hoshangabad-Budni ROB in lieu of LC No. 237: Railway portion completed on 25.03.14. ROB commissioned and LC closed during July 14
 - vi. ROB in lieu of LC No. 244 near Mandideep: Railway portion completed on 25.03.14. ROB commissioned for traffic.
- (5) Bridge work plan head-32**
 - i. Rehabilitation of Bridge No. 808/1, 911/1 & 918/1 in ET-JBP section completed.
 - ii. Rehabilitation of Bridge No. 1137/1, 1138/1, 1122/1 & 1162/1 in JBP- MKP section completed.

(6) Signalling and Telecommunication works plan head-33:-

P.I. Building in connection with centralized operation of points & signals at Joba station of KTE- SGRL Section completed.

(7) Workshops Plan Head-42:

- i. BPL . Complete PU Paint Shed for passenger coaches at CRWS/BPL
- ii. ET . Diesel Loco Shed: Augmentation and up-gradation of Facilities.
- iii. 20 coach length pit line at old loco shed Jabalpur has been completed.
- iv. Extension of light schedule repair shed at NKJ completed.

(8) Staff Quarters Plan head-51

- i. JBP- 24 units type-I quarters at Bajrang colony has been completed.
- ii. 10 unit type-II Qtr at SCKR station & 8 unit type-II Qtrs at BNE station completed.
- iii. KMZ-88 units type-I quarters completed.

(9) Staff Amenities Plan Head-52

- i. Additional block for central hospital at Jabalpur has been completed.
- ii. (ii) Gangapur city- Construction of community hall work completed.

(10) Passenger Amenities Plan Head-53

- i. Platform Extension work at Guna, Barkheda and Sarangpur stations completed.
- ii. (ii) Raising of P/F no. 1 & 2 from medium level to high level at Hindaun city.
- iii. (iii) Bharatpur- Raising of P/F no.3 from medium level to high level to accommodate 24 coaches.

(11) Other specified works Plan head-64

- i. 6 units type-III quarters at Rail Saurabh has been completed.
- ii. Prem office building has been completed.
- iii. (iii) KMZ-88 units type-I quarters completed.

(12) Survey works-

1. Following Field Survey works completed :
 - Bara- Shivpuri Updation Survey
 - Guna-Aron-Sironj PECT Survey
 - Jabalpur-Udaipura-Sagour RECT Survey
 - Bhopal . Sagour . Chhatarpur PECT Survey
 - Biyavra Rajgarh-Bina Updation Survey
2. Following Survey Estimates have been sanctioned by GM for RECT Survey

Works:

- Chhindwara-Sagar via Kareli
- Indore-Betul
- Suwasra-Mandsour

3. TOR of following works have been approved by GM for RECT/PECT Survey

Works:

- Chhindwara-Sagar via Kareli
- Indore-Betul
- Suwasra-Mandsour
- Ramganjmandi-Neemuch
- Jabalpur-Indore.
- Gwalior-Guna-Maksi.
- Chhindwara-Gadarwara-Khajuraho.

5. Level Crossings-No. of level crossings under various classifications during 2013-14:

Sr. No.	Classification of level crossings	Number of level crossings	Sr. No.	Classification of level crossing	Number of level crossings
1	Special class	119	5	C-Class/Unmanned	118
2	A- Class	38	6	Canal/Manned	4
3	B- Class	93	7	Canal/Unmanned	56
4	C-Class/Manned	537		Total	965



Level crossing



Train Passing at crossing



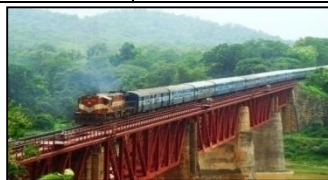
Level crossing

6. No. of level crossings during 2013-14:-

➤ manned	=	05
➤ additional staff provided without up gradation	=	Nil
➤ provided with lifting barriers	=	Nil
➤ traffic census has been taken	=	201
➤ downgraded	=	Nil
➤ de-manned	=	Nil
➤ closed	=	80

7. Bridge Statistics: There is 6061 Nos. of Bridges on this Railway. Out of these 217 Nos. are Important Bridges with linear waterway of 22306m, 414Nos. Major Bridges with linear waterway of 14847m and 5430 Nos. are minor Bridges with linear waterway of 16041m

Sr. No	Bridge Category	Waterway in meters			
		BG	MG	NG	Total
1	Important Bridges	22306	0	0	22306
2	Major Bridges	14847	0	0	14847
3	Minor Bridges	16041	0	0	16041
4	Total	53234	0	0	53234



Railway Bridge near ET



Bridge at Bagra Tawa



Rly. Bridge near Habibganj

8. Bridge works completed during 2013-14

a) Rehabilitation of Distress Bridges	:	00
b) Replacement of Girder by slab	:	00
c) Removal of speed restriction	:	19

9. Progress of Bridge works (cost wise)

Expenditure during 2013-14 under plan head (PH-32) bridge work up to the end of March 2014

Allocation	Final Budget Allotment for 2013-14 (₹ in Crores)	Expenditure during 2013-14(₹ in Crores)	%age of expenditure
SRSF	0	0	0
DRF	25.50	25.42	99.68
Total	25.50	25.42	99.68

10. Earnings

Sr. No.	Description	Actual earnings for the year 2013-14 (₹ in lacs)
1.	By sale of matured and dry trees	7.34
2.	By licensing land for GMF	0.00
3.	By licensing land for Tehbazari/Shopping	0.55
4.	By commercial licensing	2358.28
5.	Earnings from oil companies . bulk oil depots/retail outlets	0.06
6.	Lease of land to Govt. Deptt/PSUs	0.00
7.	Way Leave facilities & easement rights	1391.79
8.	Others	549.00
	Total	4307.02

11. Position of Quarters (as on 31.03.2014)

Class of staff Qtrs.	Type-I	Type-II	Type-III	Type-IV	Type-V	Total
No. of Qtrs. As on 31.03.13	17319	6969	1684	681	166	26819
No. of Qtrs. As on 31.03.14	15984	6663	1299	561	173	24680

ROGRESS OF ROB/RUB WORKS

1	2	3	4	5	6	7	8	9	10	11
Sr. No.	Year of Sanction	Item No. 12-13	State	Name of work	Rly. Share (₹in Crores)	State Share (₹in Crores)	Target date of completion 'Bridge portion'	Target date of completion 'Approach portion'	% Progress of Bridge portion	% Progress of Approach portion
(A) COST SHARING BASIS										
1	2011-12	PB-75	MP	Construction of 2-lane ROB & RUB at Shobhapur Km: 994/5-6 in lieu of LC No. 318 between JBP-ADTL station	9.3732	14.62	Completed	Dec'14	100%	60%
2	2011-12	PB-76	Raj	Construction of 4-lane ROB at Km: 1136/10-12 in lieu of LC No. 201 at Hindaun city station yard of GGC-MTJ	23.8608	23.86	Mar'14	Mar'14	15%	15%
3	2011-12	PB-77	MP	Construction of 2-lane ROB at Km: 928/22-24 in lieu of LC No. 288 between Bhopal-Bina section	16.3900	17.93	June'16	June'16	0%	0%
4	2011-12	PB-79	UP	Construction of 2-lane ROB at Km: 1227/12-14 in lieu of LC No. 255 between BXN-MTJ section .	8.4500	8.45	June'16	June'16	0%	0%
5	2011-12	PB-80	Raj	Construction of 2-lane ROB at Km: 918/02 in lieu of LC No. 108 between DKNT-Kota station .	13.9300	13.93	Completed	Completed	100%	100%
6	2011-12	PB-81	Raj	Jhalawar: Construction of 2-lane ROB at Km: 764/6-8 in lieu of LC No. 35 between Kota Nagda section	7.9600	8.21	Dec'16	Dec'16	0%	0%
7	2011-12	PB-83	Raj	Karoli: Construction of 2-lane ROB at Km: 1126/38-02 in lieu of LC No. 195 between GGC-MTJ section	7.6900	11.08	Dec'14	Jan'15	0%	0%
8	2001-02	PB-87	MP	Chhola Road - ROB in lieu of L.C. No. 252/A & 252/B (kms 838/12-13, 837/11-12) bet stations NSZ-UJN & BPL-UJN.	7.2276	15.27	Completed	Completed	100%	100%
9	2003-04	PB-88	MP	Katni - ROB in lieu of LC No. 356/A (Khirhani Phatak) at km 1081/11-12.	3.4303	16.20	Completed	Completed	100%	100%
10	2007-08	PB-90	Raj	GGC-Chhoti Odai- ROB in lieu of L.C. No.180 @ Km 1096/8-10 at SH-21.	5.8860	4.43	Completed	Dec'14	100%	75%
11	2007-08	PB-91	Raj	Dhaurmui Jaghina- Jajanpatti- ROB at LC No.252-B @Km 1222/8-10 at SH-24.	5.1232	4.45	Completed	Completed	100%	100%
12	2007-08	PB-92	MP	Maihar Yard- ROB in lieu of LC No. 379 at Km 1144/4-6.	3.8957	18.33	Completed	Completed	100%	100%

1	2	3	4	5	6	7	8	9	10	11
13	2007-08	PB-93	Raj	Ramganjmandi-Morak - ROB in lieu of LC No. 82 on SH at Km. 849/14-15.	8.4354	6.29	Completed	Dec'd 4	100%	80%
14	2008-09	PB-95	MP	ROB in lieu of LC. No. 244 at kms 815/12-14 near Mandideep station in Bhopal-Itarsi section.	10.9445	10.94	Completed	Aug'd 4	100%	80%
15	2008-09	PB-96	Raj	ROB in lieu of L.C. No. 244 Between Sewar-Bharatpur at Km 1209/14-16.	6.8877	6.84	Completed	Completed	100%	100%
16	2008-09	PB-97	Raj	ROB in lieu of L.C. No. 87 at Morak-Dabhadeh Km 858/8-10 in Kota-Nagda	8.9614	8.96	Completed	Dec'd 4	100%	70%
17	2009-10	PB-100	MP	ROB in lieu of LC No. 264 near Salamatpur at (KM 871/36-872/2) on Bhopal-Bina section.	12.2182	12.22	Completed	Completed	100%	100%
18	2010-11	PB-101	MP	ROB in lieu of LC No. 63 at Guna-Bajrang Garh road(KM- 1094.440) on Guna-Ruthaiyai section.	7.8200	9.93	Completed	Sept'd 4	100%	85%
19	2010-11	PB-102	MP	ROB in lieu of LC No.237 (Budhani Phatak) KM -768/30-32 on Itarsi-Bhopal	3.3800	24.12	Completed	Oct'd 4	100%	80%
20	2010-11	PB-103	MP	ASKN- Special ramp type foot over bridge at LC No. 41 on BINA-GUNA	4.2900	6.29	Mar'14	Mar'14	40%	5%
21	2011-12	PB- 107	MP	ROB on Bina-Agasod rd in lieu of LC No.309/C/2E on Bina-JHS section and LC No.3-B/2 on Bina. Kota Sec (SWP).	9.4834	10.75	Not fixed	Not fixed	0%	0%
22	2012-13	PB-109	MP	Construction of ROB on in lieu of LCs 204 at km 669/0-2 in Plasner-Harda section on KNW-ET.	4.9399	30.48	Not fixed	Not fixed	0%	0%
23	2012-13	PB-112	MP	Construction of ROB on in lieu of LCs 28 at KM 1050/6-7in Saugor-Makroniya section on BIN-KTE.	13.264	28.38	Not fixed	Not fixed	0%	0%
24	2012-13	PB-115	MP	Construction of ROB on in lieu of LCs 357 at KM 1087/7-8 on Katni-Patwara section in ET-MKP.	8.5509	9.551	Not fixed	Not fixed	0%	0%
25	2012-13	PB-118	MP	Construction of ROB on in lieu of LCs 342 at KM 1047/9-10 in Dundi-Sleemnabad section on ET-MKP.	8.2429	9.243	Not fixed	Not fixed	0%	0%
26	2012-13	PB-120	MP	Construction of ROB on in lieu of LCs 19 at KM 1034/5-6 in Nariaoli-Ratona section on BIN-KTE.	10.794	11.35	Not fixed	Not fixed	0%	0%
27	2012-13	PB-123	MP	Construction of ROB on in lieu of LCs 21 at KM 1045/4-5 in Ratona- Sagour section on BIN-KTE.	10.4	10.4	Not fixed	Not fixed	0%	0%

1	2	3	4	5	6	7	8	9	10	11
28	2012-13	PB-126	MP	Construction of ROB on in lieu of LCs 236 at KM 813/0-1 in Pipariya-Bankhedi section on ET-MKP.	17.631	18.63	Not fixed	Not fixed	0%	0%
29	2012-13	PB-129	MP	Construction of ROB on in lieu of LCs 271 at KM 889/7-8 in Bohani-Kareli section on ET-MKP.	8.4827	28.38	Not fixed	Not fixed	0%	0%
30	2012-13	PB-132	MP	Construction of ROB on in lieu of LCs 222 at KM 720/10-12 on Dharamkundi-Khutwansa section in KNW-ET.	9.1844	10.18	Not fixed	Not fixed	0%	0%
31	2012-13	PB-135	MP	Construction of ROB on in lieu of LCs 231 at KM 759/6-8 on Powerkhara-Hoshangabad section in ET-BPL.	11.118	12.12	Not fixed	Not fixed	0%	0%
32	2012-13	PB-137	MP	Construction of ROB on in lieu of LCs 240 at KM 801/14-16 on Obaidullangaj yard in Itarsi-Bhopal section.	20.801	21.8	Not fixed	Not fixed	0%	0%
33	2012-13	PB-138	MP	Construction of ROB on in lieu of LCs 287 at KM 926/10-9 on Pabai-Ganjbasoda section in BPL-BINA.	12.445	13.45	Not fixed	Not fixed	0%	0%
34	2012-13	PB-139	MP	Construction of ROB on in lieu of LCs 300 at KM 957/16-18 on Kalhar-Mandibamora section in BPL-BINA	10.819	11.81	Not fixed	Not fixed	0%	0%
35	2012-13	PB-140	MP	Construction of ROB on in lieu of LCs 308-B at KM 976/5-6 on Bina yard	24.335	25.33	Not fixed	Not fixed	0%	0%
36	2012-13	PB-141	MP	Construction of ROB on in lieu of LCs 247 at KM 826/22-24 on Misrod-Habibganj section in ET-BPL.	20.887	21.89	Not fixed	Not fixed	0%	0%
37	2012-13	PB-142	MP	Construction of ROB on in lieu of LCs 11at KM 1011/6-7 on Sumeri-Jaruakhara section in BINA-KTE.	15.375	11.35	Not fixed	Not fixed	0%	0%
38	2012-13	PB-143	MP	Construction of ROB on in lieu of LCs 112 at KM 1229/1-2 on Hardua-Katnimurwara section in BINA-KTE .	9.9882	10.99	Not fixed	Not fixed	0%	0%
39	2012-13	PB-144	MP	Construction of ROB on in lieu of LCs 30 at KM 1056/1-2 on Saugor-Makroniya section in BINA-KTE.	11.289	28.38	Not fixed	Not fixed	0%	0%
40	2012-13	PB-145	MP	Construction of ROB on in lieu of LCs 382 at KM 1158/7-8 on Unchehara-Lagargawan section in ET-MKP.	12.788	13.79	Not fixed	Not fixed	0%	0%
41	2012-13	PB-146	MP	Construction of ROB on in lieu of LCs 276 at KM 904/3-4 on Kareli-NU section	16.828	17.83	Not fixed	Not fixed	0%	0%

1	2	3	4	5	6	7	8	9	10	11
42	2012-13	PB-147	MP	Construction of ROB on in lieu of LCs 278 at KM 906-7-8 on Narsinghpur-Ghatpindarai section in ET-MKP.	20.658	21.66	Not fixed	Not fixed	0%	0%
43	2012-13	PB-148	MP	Construction of ROB on in lieu of LCs 299 at KM 954/0-1 on Sridham-Bikrampur section in ET-MKP.	9.0335	10.03	Not fixed	Not fixed	0%	0%
44	2012-13	PB-149	MP	Construction of ROB on in lieu of LCs 107/C at KM 1328/1-2 on Bargawan-Gondwali section in KTE-SGRL.	18.071	19.07	Not fixed	Not fixed	0%	0%
45	2012-13	PB-150	MP	Construction of ROB on in lieu of LCs 105/C at KM 1321/0-1 on Majholi-Bargawan section in KTE-SGRL.	20.106	21.11	Not fixed	Not fixed	0%	0%
46	2012-13	PB-151	Raj	Bharatpur: Reconstruction of new ROB at same alignment in lieu of existing damaged ROB.	8.7389	8.74	Not fixed	Not fixed	0%	0%
47	2012-13	PB-152	MP	Construction of ROB on in lieu of LCs 8 at KM 714.19 on Mehidpur-Luni Richha section in KTT-NAD.	9.0165	10.02	Not fixed	Not fixed	0%	0%
48	2012-13	PB-153	MP	Construction of ROB on in lieu of LCs 20 at KM 734/12-13 on Luni Richha-Vikramgarh Alot section in KTT-NAD.	9.3764	10.38	Not fixed	Not fixed	0%	0%

(B) ON RAILWAY COST

1	2011-12	PB-78	Raj	Provision of limited height subway eliminate LC no. 27 UP&DN and LC No. 31 (3-Nos) .	3.1338	NA	Completed	Completed	100%	100%
2	2011-12	PB-82	MP	Elimination of manned LC No. 80, 84 and un-manned LC No. 90, 104, 115 by providing normal height subway/limited height subway at RTA-Maksi section	4.5199	NA	Completed	Completed	100%	100%
3	2011-12	PB-84	MP	Elimination of manned LC No. 3 on Guna-GWL section and un-manned LC No. 33, Manned LC No.32 in place of LC No.UM 70(closed) on RTA- Bina section by providing normal height subway/limited height subway in BPL division.(3-Nos)	2.5453	NA	Completed	Completed	100%	100%
4	2011-12	PB-85	Raj	Construction of limited height subway in lieu of LC between Malarna-Bayana section m LC no. 167, 169, 183-B, 194 & 204 (5-Nos) by pushing method.	5.8269	NA	Completed	Completed	100%	100%

1	2	3	4	5	6	7	8	9	10	11
5	2011-12	PB-86	MP	Elimination of un-manned LC No. 186, 187, 188, 189-A on Talwadia - BIR spur line by providing normal height subway/ limited height subway in BPL (4-Nos).	3.3942	NA	Completed	Completed	100%	100%
6	2007-08	PB-89	MP	Katni-Singrauli - RUB in lieu of L-xing 99/C, 96/C, 82/C, 63/C, 31/C 36/C, 34/C, 33/C, 32/C, (9 Nos)	3.1579	NA	Completed	Completed	100%	100%
7	2007-08	PB-94	MP	Bina-Katni - RUB in lieu of L-xing No.76 /C,77/C,84/C,69/C,87/C(closed).(4Nos)	3.3078	NA	Completed	Completed	100%	100%
8	2008-09	PB-98	MP	BINA-MKC & GUN-GWL-Elimination of manned LC. No. 56 & 58 on BINA-MKC section and LC. No. 42 & 43 on Guna-GWL by providing RUB. (4 Nos)	2.5100	NA	Completed	Completed	100%	100%
9	2008-09	PB-99	MP	ET-JBP RUB as RCC box in lieu of LC.No228/C,229/C,289/C,333/C(4Nos)	3.5737	NA	Completed	Completed	100%	100%
10	2010-11	PB-104	Raj	KOTA Divn: Construction of limited height sub way in lieu of LC bet. Malarna-Bayana Section, LC 168, 181, 182, 183, 186, 187 (6 nos)	4.9577	NA	Feb'15	Feb'15	40%	35%
11	2010-11	PB-105	MP	JBP Divn: provision of RUBs in lieu of manned LC No. 337 & 394 on Jabalpur-Manikpur section. (2 Nos)	2.9896	NA	Feb'15	Feb'15	10%	0%
12	2010-11	PB-106	MP	BPL Divn: Provision of RUBs in lieu of manned LC Nos. 12, 60, 70A, 74 on Bina-Maksi section, manned LC No. 109, unmanned LCs 31 & 41 on Guna-Gwalior section. (7 Nos)	4.7835	NA	Dec'14	Dec'14	85%	85%
13	2012-13	PB-110	Raj	Kota-Nagda section: Provision of limited height subway in lieu of manned LC No. 1, 9, 29 up, 36, 34.	6.5162	NA	Dec'14	Dec'14	30%	20%
14	2012-13	PB-111	MP	Bhopal Division: Provision of 7 LHS in lieu of unmanned level crossing nos. 20, 35, 67 in Bina-Ruthiyai section and 7, 8, 11, 16 in Guna-Gwalior section.	12.833	NA	Mar'15	Mar'15	20%	10%
15	2012-13	PB-113	Raj	Kota-Nagda section: Provision of limited height subway in lieu of manned LC No. 41, 42,48, 49, 55, 79	7.4932	NA	Mar'15	Mar'15	40%	20%
16	2012-13	PB-114	MP	Bhopal Division: Provision of 14 LHS in lieu of unmanned level crossing nos. 85,92,93, 95,96,	25.665	NA	Mar'16	Mar'16	0%	0%

1	2	3	4	5	6	7	8	9	10	11
				97,103,107,120,141,143,154,156,160 in Ruthiyai -Maksi section.						
17	2012-13	PB-116	Raj	Kota-Mathura section: Provision of limited height subway in lieu of manned LC No. 221 , 225, 229, 229A, 237.	6.5843	NA	Decd4	Decd4	50%	15%
18	2012-13	PB-117	MP	Bhopal Division: Provision of 9 LHS in lieu of unmanned level crossing nos. 29,33,35,37,47, 49,52,55,92 in Guna-Gwalior section.	16.499	NA	Decd4	Decd4	35%	15%
19	2012-13	PB-119	MP	Katni-Singrauli section: Provision of Limited Height Subways in lieu of unmanned LCs No.8,16,44, 53 & 62.	6.4408	NA	Marq5	Marq5	45%	20%
20	2012-13	PB-121	MP	Provision of Limited Height Subways in lieu of manned LCs No.240 at KM 824/5-6 and LC 291 at Km 933/1-2 on ET-JBP section	3.8700	NA	Decd4	Decd4	55%	20%
21	2012-13	PB-122	Raj	Kota-COR sect:Provision of limited height subway in lieu of unmanned LC03,10,17,18,31,40,70,103 and LC No02 &03 in GQL"N" -GQL"W" section.	9.1562	NA	Marq5	Marq5	80%	35%
22	2012-13	PB-124	MP	Provision of Limited Height Subways in lieu of manned LCs No.393 at KM 1197/4 on JBP-MKP section.	2.6971	NA	Juned6	Juned6	0%	0%
23	2012-13	PB-125	Raj	Nagda-Kota section:Provision of limited height subway in lieu of manned LC 02. 29Dn,66	3.2674	NA	Marq6	Marq6	85%	50%
24	2012-13	PB-127	MP	Provision of Limited Height Subways in lieu of manned LCs No.47 at KM 1105/2-3 on BIN-KTE section.	3.1500	NA	Marq5	Marq5	0%	0%
25	2012-13	PB-128	MP	Bhopal Division: Provision of LHS in lieu of unmanned level crossing nos.6, 14, 18, 20 in Guna-Gwalior section.	7.3329	NA	Marq5	Marq5	20%	10%
26	2012-13	PB-130	MP	Provision of Limited Height Subways in lieu of manned LCs No.83 at KM 1169/3-4 on BIN-KTE section.	3.4300	NA	Marq5	Marq5	45%	15%
27	2012-13	PB-131	MP	Bhopal Division: Provision of LHS in lieu of unmanned level crossing nos. 102,108,111, 162, 171 in Ruthiyai - Maksi section and LC 190 inTalvadia-Bir section.	10.999	NA	Marq5	Marq5	85%	60%

1	2	3	4	5	6	7	8	9	10	11
28	2012-13	PB-133	MP	Provision of Limited Height Subways in lieu of manned LCs No.114at KM 1234/4-5 on BIN-KTE section.	3.9500	NA	Completed	Completed	100%	100%
29	2012-13	PB-134	MP	Bhopal Division: Provision of 26 LHS in lieu of unmanned level crossing nos. 25, 27, 28, 39, 44, 50, 57, 61, 64, 66, 67, 70, 71, 75, 77, 79, 80, 82, 84, 96, 99, 102, 103, 115, 118, 119 in Guna-Gwalior section.	47.664	NA	Dec'd 16	Dec'd 16	0%	0%
30	2012-13	PB-136	MP	Bhopal Division: Provision of RUB in lieu of unmanned level crossing nos.185 in Talvadia-Bir section, 69 in Bina-Rithiyai section, 88,129,176 and 185 in Ruthiyai-Maksi section and 09 and 10 in Guna-Gwalior section by relieving girder.	5.3822	NA	Mar'15	Mar'15	50%	15%
31	2009-10		MP	Katni-RUB at km 1080/6-7 as pre cast RCC segmental box. (01 Nos)	2.5006	NA	Completed	Completed	100%	100%
1	2007-08	LB 135	MP	Malkhedi-Agasod - RUB in lieu of LC. No. 310/B, 310/C. (2 Nos)	0.9924	NA	Completed	Completed	100%	100%
2	2007-08	LB 136	MP	Guna-Gwalior- RUB in lieu of LC. No. 4 at km 1097/2-3.(01 Nos)	0.4825	NA	Completed	Completed	100%	100%
3	2007-08	LB 137	MP	Guna-Gwalior- RUB in lieu of LC. No. 13 at km 1118/5-6.(01 Nos)	0.4959	NA	Completed	Completed	100%	100%
4	2007-08	LB 138	MP	Guna-Gwalior- RUB in lieu of LC.No.36 at km 1164/5.(01 Nos)	0.4929	NA	Completed	Completed	100%	100%
5	2008-09	LB 139	MP	Satna-Rewa - RUB as Pre-cast RCC BOX in lieu of unmanned LC. No. 7/c, 13/c,15/c. (03 Nos)	1.4717	NA	Completed	Completed	100%	100%
6	2009-10	LB 140	MP	Mahadevkhedi- Karod station- Elimination of manned level crossing No. 312/A at Km 985/4-5 by providing normal height subway/RUB on Bhopal D (01 Nos)	1.2171	NA	July'15	July'15	0%	0%
7	2009-10	LB 141	Raj	Kota - Nagda section - Providing limited height subway in place of LC No 33 UP and DN.(02 Nos)	1.3488	NA	Completed	Completed	100%	100%
8	2009-10	LB 142	Raj	Kota - Ruthiyai section - Construction of road under bridge in lieu of LC no 64 and 65 at KM 113/0-1 (01 Nos)	0.5201	NA	Completed	Completed	100%	100%

1	2	3	4	5	6	7	8	9	10	11
9	2009-10	LB 143	Raj	Nagda - Kota section - Providing road under bridge at LC no 89 in KIW yard at KM 864/16-18 (01 Nos)	0.9972	NA	Completed	Completed	100%	100%
10	2009-10	LB 144	Raj	Shampura - Mandalgarh : Construction of road unde bridge in lieu of LC no 75 in Kota division (01 Nos)	0.4703	NA	Completed	Completed	100%	100%
11	2009-10	LB 145	Raj	Shampura - Mandalgarh section - Construction of road under bridge in lieu of LC no 79 in Kota division (01 Nos)	0.4703	NA	Completed	Completed	100%	100%
12	2009-10	LB 146	MP	Satna - Rewa - Provision of standard height gauge at RUB no. 1178/1 in Satna yard and 1186/1, 1187/2, 1188/2, 1189/2, 1197/2 and 1197/3 in Satna-Rewa section.	0.6460	NA	Completed	Completed	100%	100%
13	2010-11	LB 147	Raj	Provision of 3 Nos. Limited Height Subways on unmanned LCs No. 26, 52 & 54 on Kota-COR section. (3Nos)	2.0954	NA	Completed	Completed	100%	100%
14	2010-11	LB 148	Raj	KTT-COR: Provision of limited height subway in lieu of LC No.56& 86.(OOT)	1.4349	NA	Completed	Completed	100%	100%
15	2010-11	LB 149	MP	JBP Divn: Provision of Limited Height Subways in lieu of unmanned LC No.20'E' on Satna-Rewa section. (1Nos)	0.8000	NA	Completed	Completed	100%	100%
16	2010-11	LB 150	Raj	KOTA : Construction of limited height sub way in lieu of LC bet. Malarna-Bayana Section, LC 165, 212 (2Nos)	2.0568	NA	Completed	Completed	100%	100%
17	2010-11	LB 151	Raj	KOTA Divn: Bayana- Providing RUB near 'B' cabin on Kota-Mathura section.	1.8550	NA	Completed	Completed	100%	100%
18	2010-11	LB 152	MP	Provision of 3 Nos. Limited Height Subways on unmanned LCs No.7 , 22 & 29 on Katni-Singrauli section. (3Nos)	1.9500	NA	Completed	Completed	100%	100%
19	2010-11	LB 153	MP	Provision of 2 Nos. Limited Height Subways in lieu of manned LCs No.334 at Km 1023/6-7 and 335 at Km 1026/6-7 on Jabalpur-Katni section. (2Nos)	2.2000	NA	Mar'15	Mar'15	30%	5%
20	2010-11	LB 154	MP	Provision of Limited Height Subway in lieu of manned LC No.79 and 80 on Bina-Katni section. (common RUB connecting both the LCs). (1Nos)	1.7000	NA	Completed	Completed	100%	100%

1	2	3	4	5	6	7	8	9	10	11
21	2010-11	LB 155	MP	Provision of Limited Height Subway in lieu of manned LC No.81 on Bina-Katni section. (1Nos)	1.8000	NA	Completed	Completed	100%	100%
22	2010-11	LB 156	Raj	Provision of Limited Height Subway in lieu of manned LC No. 83 on Kota-Nagda section. (1Nos)	1.1672	NA	Completed	Completed	100%	100%
23	2010-11	LB 157	Raj	Provision of 2 Nos. Limited Height Subway in lieu of manned LC No. 10 'C' and unmanned LC No.86 'C' on Kota-Ruthiyai section. (2Nos)	1.4698	NA	Completed	Completed	100%	100%
24	2010-11	LB 158	Raj	Provision of 3 Nos. Limited Height Subways on unmanned LCs No. 42, 60 & 66 on Kota-Ruthiyai section. (3Nos)	2.1900	NA	Jan'15	Jan'15	60%	40%
25	2010-11	LB 159	Raj	Provision of 3 Nos. Limited Height Subways on unmanned LCs No. 71, 91& 111 on Kota-COR section. (3Nos)	2.1024	NA	Completed	Completed	100%	100%
26	2010-11	LB 160	Raj	Provision of 2 Nos. Limited Height Subways-on unmanned LC No. 98'A' and common LHS in lieu of LC No. 115 & 116 on Kota-COR section. (2 Nos)	1.4783	NA	Completed	Completed	100%	100%
27	2011-12	LB 161	MP	Provision of 2 Nos. Limited Height Subways in lieu of unmanned LCs No. 81& 97 on Katni-Singrauli section	1.6000	NA	Mar'15	Mar'15	10%	0%
28	2011-12	LB 162	MP	Provision of RUB (RHS) near LC No 26/C at km 1123/8-9 bet Pipraigaon-ORR in Guna sub division for closing LC no 26/C	0.6618	NA	Aug'14	Aug'14	20%	10%
29	2011-12	LB 163	MP	ET-BPL Sec: Proposed construction of RUB (LHS) in lieu of LC No. 236 at Km. 766/26-28.	1.9060	NA	Feb'15	Feb'15	0%	0%
30	2011-12	LB 164	Raj	Bayana-BTA Section:-Closing of L.C. gates no. 223 'C' Class (Engg) Single Gatemen,TVU=4200 by making roads & provision Limited height sub way	1.6085	NA	June'16	June'16	0%	0%
31	2011-12	LB 165	MP	BPL: Provision of RUB near near LC No.53 at KM 1184/05-06 between KLRS-SVPI in Guna-GWL section.	0.6618	NA	Mar'15	Mar'15	0%	0%
32	2011-12	LB 166	MP	BPL: Provision of RUB near near LC No.72 at KM 1215/08-09 between Khajuri-Parakheda in Guna-GWL sect.	0.6618	NA	Mar'15	Mar'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
33	2011-12	LB 167	MP	Bhopal : Provision of RUB near near LC No.90 A at KM 1260/06-07 bet Mohana-Ghatigaon in Guna-Gwalior section.	0.6618	NA	Mar'15	Mar'15	0%	0%
34	2011-12	LB 168	MP	Provision of 3 Nos. Limited Height Subways in lieu of unmanned LCs No. 17,18 & 26 on Katni-Singrauli section.	2.4000	NA	Mar'15	Mar'15	15%	10%
35	2011-12	LB 169	MP	Provision of 3 Nos. Limited Height Subways in lieu of unmanned LCs No. 27,Bet 37-38 & 47 on KTE-SGRL sect.	2.4000	NA	Mar'15	Mar'15	0%	0%
36	2011-12	LB 170	MP	Provision of 3 Nos. Limited Height Subways in lieu of unmanned LCs No. 58,60 & 61 on Katni-Singrauli section.	2.4000	NA	Feb'15	Feb'15	10%	0%
37	2011-12	LB 171	MP	Provision of 2 Nos. Limited Height Subways in lieu of unmanned LCs No. 69& 78 on Katni-Singrauli section.	1.6000	NA	Mar'15	Mar'15	10%	0%
38	2011-12	LB 172	MP	Provision of Limited Height Subways in lieu of manned LCs No.280 at Km 910/1-2 on Itarsi-Jabalpur section.	1.5000	NA	Mar'15	Mar'15	0%	0%
39	2011-12	LB 173	MP	Provision of Limited Height Subways in lieu of manned LCs No 297 at Km 947/1-2 on Itarsi-Jabalpur section.	1.5000	NA	Feb'15	Feb'15	0%	0%
40	2011-12	LB 174	MP	Provision of Limited Height Subways in lieu of manned LCs No.282 at Km 916/1-2 on Itarsi-Jabalpur section.	1.5000	NA	Feb'15	Feb'15	0%	0%
41	2011-12	LB 175	MP	Provision of Limited Height Subways in lieu of manned LCs No.233 at Km 799/9-10 on Itarsi-Jabalpur section.	1.5000	NA	Jan'15	Jan'15	0%	0%
42	2011-12	LB 176	MP	Provision of Limited Height Subways in lieu of manned LCs No.248 at Km 842/1-2 on Itarsi-Manikpur section.	1.5000	NA	Feb'15	Feb'15	0%	0%
43	2011-12	LB 177	MP	Provision of Limited Height Subways near LCs No. 116 at KM 1030/9 on Katni-New Katni Jn section.	2.0000	NA	Dec'15	Dec'15	0%	0%
44	2011-12	LB 178	MP	Provision of Limited Height Subways in lieu of manned LCs No.247 at Km 840/1-2 on Itarsi-Jabalpur section.	1.5000	NA	Feb'15	Feb'15	0%	0%
45	2011-12	LB 179	Raj	Bayana-Bharatpur Section:-Closing of L.C. gates no. 218 ' B ' Class (Engg) Double Gatemen,TVU=79456 by making roads & provision Limited	1.6695	NA	June'15	June'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
				height sub way						
46	2011-12	LB 180	Raj	Bayana-BTE Section:-Closing of L.C. gates no. 261 'C' Class (Engg) Single Gatemen,TVU=6768 by making roads & provision Limited height sub way	1.7337	NA	June'15	June'15	0%	0%
47	2011-12	LB 181	Raj	Bayana-Bharatpur Section:-Closing of L.C. gates no. 260'B' Class (Engg) Double Gatemen,TVU=11092 by making roads & RUB	1.7146	NA	June'15	June'15	0%	0%
48	2011-12	LB 182	Raj	Bayana-BTE Section:-Closing of L.C. gates no. 236'C' Class (Engg) Single Gatemen,TVU=3245 by making roads & provision Limited height sub way	1.6752	NA	Completed	Completed	100%	100%
49	2011-12	LB 183	Raj	Bayana-BTE Section:-Closing of L.C. gates no. 235 'C' Class (Engg) Single Gatemen,TVU=5344 by making roads & provision Limited height sub way	1.6095	NA	June'15	June'15	0%	0%
50	2011-12	LB 184	Raj	Bayana-BTE Section:-Closing of L.C. gates no. 267 'C' Class (Engg) Single Gatemen,TVU=4914 by making roads & provision Limited height sub way	1.7512	NA	June'15	June'15	0%	0%
51	2011-12	LB 185	Raj	Lakheri - Provision of Limited height RUB at Km.982/16-18 in lieu of LC gate no.136 X.'C' Class (TFC) Double Gatemen,TVU=3535	1.3580	NA	Completed	Completed	100%	100%
52	2011-12	LB 186	Raj	Bayana-Bharatpur Sect:-Closing of L.C. gates no. 247'C' Class (Engg) Single Gatemen,TVU=2205 by making roads & provision Limited height sub way	1.6404	NA	June'15	June'15	0%	0%
53	2011-12	LB 187	Raj	Bayana-Bharatpur Sec:-Closing of L.C. gates no. 251 'C' Class (Engg) Single Gatemen,TVU=2024 by making roads & provision Limited height sub way	1.9714	NA	June'15	June'15	0%	0%
54	2012-13	LB 189	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.97 at Km 1199/7-8 on BIN-KTE section.	1.7000	NA	Mar'15	Mar'15	0%	0%
55	2012-13	LB 190	MP	Bhopal Division : Proposal for draining out stagnant water under RUB provided in lieu of LC no. 186 and 187 under ADEN Shajapur section .	0.2213	NA	Mar'15	Mar'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
56	2012-13	LB 191	MP	Bhopal Division : Protection work at LC no. 132 between km 1212 / 02-04 in RTA-MKC section and near LC no. 52 and 65 in BIN - RTA section .	0.3770	NA	Mar'15	Mar'15	0%	0%
57	2012-13	LB 192	MP	BPL : Improvement of drainage system at various RUBs in ET-KNW section .	0.2446	NA	Mar'15	Mar'15	0%	0%
58	2012-13	LB 193	Raj	GGC-MJT Section: Providing limited height subway (LHS) for closer of LC No: 258 by cut & cover method.	1.5883	NA	June'16	June'16	0%	0%
59	2012-13	LB 194	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing no. 116 in Guna - Gwalior section under ADEN Shivpuri Sub division.	0.8690	NA	Mar'15	Mar'15	0%	0%
60	2012-13	LB 195	Raj	KOTA-GGC Section: Construction of 4.0x4.0M size limited height subway in lieu of manned LC No: 157 in between Ranthambhor-Makholi stations by cut & cover method.	1.4259	NA	June'16	June'16	0%	0%
61	2012-13	LB 196	Raj	KOTA-GGC Section: Construction of 4.0x4.0M size limited height subway in lieu of manned LC No: 158 in between Ranthambhor-Makholi stations by cut & cover method.	1.4641	NA	June'16	June'16	0%	0%
62	2012-13	LB 197	Raj	KOTA-GGC Section: Construction of 4.0x4.0M size limited height subway in lieu of manned LC No: 160 in between Ranthambhor-Makholi stations by cut & cover method.	1.4276	NA	June'16	June'16	0%	0%
63	2012-13	LB 198	MP	Katni-Singrauli section: Provision of 2 Nos. Limited Height Subways in lieu of manned LCs No. 56 KM 1229/1-2 & 57 KM 1232/9-10 on KTE-SGRL section.	2.0000	NA	Mar'15	Mar'15	0%	0%
64	2012-13	LB 199	MP	Katni-Singrauli section:Provision of 2 Nos. Limited Height Subways in lieu of manned LCs No. 3 KM 1092/8-9 & 21 KM 1119/8-9 on KTE-SGRL section.	2.0000	NA	Mar'15	Mar'15	0%	0%
65	2012-13	LB 200	MP	Katni-Singrauli section: Provision of 2 Nos. Limited Height Subways in lieu of manned LCs No. 86 KM 1282/1-2 & 87 KM 1284/3-4on KTE-SGRL section.	2.0000	NA	Mar'15	Mar'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
66	2012-13	LB 201	MP	Katni-Singrauli section: Provision of 2 Nos. Limited Height Subways in lieu of manned LCs No. 98 KM 1309/8-9 & 100 ,KM 1313/3-4 on KTE-SGRL sect.	2.0000	NA	Mar'15	Mar'15	0%	0%
67	2012-13	LB 202	MP	Katni-Singrauli section: Provision of 1 Nos. Limited Height Subways in lieu of manned LCs No. 109 KM 1331/2-3 on KTE-SGRL section.	1.0000	NA	Mar'15	Mar'15	0%	0%
68	2012-13	LB 203	MP	Itarsi-Jabalpur: Provision Limited Height Subways in lieu of manned LCs No.255 at Km 855/8-9 on ET-JBP	1.7000	NA	Mar'15	Mar'15	0%	0%
69	2012-13	LB 204	MP	Itarsi-Jabalpur: Provision of Limited Height Subways in lieu of manned LCs No.296 at Km 945/1-2 on ET-JBP	1.5000	NA	June'15	June'15	0%	0%
70	2012-13	LB 205	MP	Jabalpur-Katni : Provision of Limited Height Subways in lieu of manned LCs No.352 at Km 1073/8-9 on JBP-KTE	1.7000	NA	June'15	June'15	0%	0%
71	2012-13	LB 206	MP	Jabalpur-Katni : Provision of Limited Height Subways in lieu of manned LCs No.369 at Km 1118 2-3 on JBP-MKP	1.7000	NA	June'15	June'15	0%	0%
72	2012-13	LB 207	MP	Jabalpur-Manikpur :Provision of Limited Height Subways in lieu of manned LCs No.364 at Km 1105/9-10 on JBP-MKP section.	1.7000	NA	June'15	June'15	0%	0%
73	2012-13	LB 208	MP	Jabalpur-Manikpur :Provision of Limited Height Subways in lieu of manned LCs No.363 at Km 1103/4-5 on JBP-MKP section.	1.7000	NA	June'15	June'15	0%	0%
74	2012-13	LB 209	MP	Jabalpur-Manikpur : Provision of Limited Height Subways in lieu of manned LCs No 359 at Km 1095/3-4 on JBP-MKP section.	1.7000	NA	June'15	June'15	0%	0%
75	2012-13	LB 210	MP	Jabalpur-Manikpur : Provision of Limited Height Subways in lieu of manned LCs No 356 at Km 1081/5-6 on JBP-MKP section.	1.7000	NA	June'15	June'15	0%	0%
76	2012-13	LB 211	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.73 at Km 1147/3-4- on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
77	2012-13	LB 212	Raj	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.92 at Km 1192/1-2 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
78	2012-13	LB 213	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.48 at Km 1106/5-6 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
79	2012-13	LB 214	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.46 at Km 1100/9-10 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
80	2012-13	LB 215	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.44 at Km 1096/4-5 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
81	2012-13	LB 216	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.105 at Km 1214/9-10on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
82	2012-13	LB 217	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.41 at Km 1089/9-10 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
83	2012-13	LB 218	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.90 at Km 1188/7-8 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
84	2012-13	LB 219	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.88 at Km 1184/6-7 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
85	2012-13	LB 220	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.39 at Km 1085/6-7 on BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
86	2012-13	LB 221	MP	Bina-Katni : Provision of Limited Height Subways in lieu of manned LCs No.110 at Km 1226/0-1 BIN-KTE section.	1.7000	NA	June'15	June'15	0%	0%
87	2012-13	LB 222	Raj	KTT-COR Section: Construction of 4.0x3.85M size limited height subway in lieu of manned LC No: 36 in between Thalera-Bundi stations by cut & cover method.	1.0781	NA	June'15	June'15	0%	0%
88	2012-13	LB 223	MP	Guna-GWL Sec: Provision of diversion road for connection between nearest RUB/LHS/ROB and manned/Unmanned Level crossing to close LC Nos.- 30,45,48,51,58,62,63,76 of GUN-GWL	2.4918	NA	June'15	June'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
89	2012-13	LB 224	MP	Provision of diversion road for connection between nearest RUB/LHS/ROB and manned/Unmanned Level crossing to close LC Nos.42 (BIN-RTA section),94 (RTA-MKC section) 19,23,91,92A (GUN-GWL)section.	1.9988	NA	June'15	June'15	0%	0%
90	2012-13	LB 225	MP	Guna-GWL Sec: Provision of diversion road for connection between nearest RUB/LHS/ROB and manned/Unmanned Level crossing to close LC Nos.81,120 (GUN-GWL)section.	0.7928	NA	June'15	June'15	0%	0%
91	2012-13	LB 226	Raj	KTT-RTA Section: Construction of 4.0x 4.0M size limited height subway in lieu of manned LC No: 40 in bet Baran & Chajawa by cut & cover method.	1.0781	NA	June'15	June'15	0%	0%
92	2012-13	LB 227	Raj	KTT-RTA Section: Construction of 4.0x 4.0M size limited height subway in lieu of manned LC No: 90 in bet Darnavada-Ruthiyai by cut & cover method.	1.0128	NA	Dec'15	Dec'15	0%	0%
93	2012-13	LB 228	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 07 and 13 in Bina - Ruthiyai section under ADEN Guna Sub division .	2.3547	NA	Oct'15	Oct'15	0%	0%
94	2012-13	LB 229	MP	Bhopal Division : Provision of RUB / LHS in lieu of manned level crossing nos. 34 and 45 in Bina - Ruthiyai section under ADEN Guna Subdivision .	2.3547	NA	Dec'15	Dec'15	0%	0%
95	2012-13	LB 230	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 52 and 57 in Bina -Ruthiyai section under ADEN Guna Subdivision .	1.7380	NA	Oct'15	Oct'15	0%	0%
96	2012-13	LB 231	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 62 in Bina - Ruthiyai section and 15 in Guna - Gwalior section under ADEN Guna Subdivision .	1.7380	NA	Dec'15	Dec'15	0%	0%
97	2012-13	LB 232	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 25 and 54 in Guna -Gwalior section under ADEN Shivpuri Subdivision .	1.7380	NA	Oct'15	Oct'15	0%	0%

1	2	3	4	5	6	7	8	9	10	11
98	2012-13	LB 233	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 56 and 85 in Guna -Gwalior section under ADEN Shivpuri Subdivision .	1.7380	NA	Dec'd 5	Dec'd 5	0%	0%
99	2012-13	LB 234	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 90 and 97 in Guna -Gwalior section under ADEN Shivpuri Subdivision .	2.3547	NA	Oct'15	Oct'15	0%	0%
100	2012-13	LB 235	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 107 & 117 in Guna -Gwalior section under ADEN Shivpuri Subdivision .	2.3547	NA	Oct'15	Oct'15	0%	0%
101	2012-13	LB 236	MP	Bhopal Division : Provision of RUB/LHS in lieu of manned level crossing nos. 46 in Bina - Ruthiyai section under ADEN Guna Subdivision & 65 in Guna - Gwalior section under ADEN Shivpuri Subdivision .	2.3547	NA	Oct'15	Oct'15	0%	0%
102	2012-13	LB 237	Raj	KOTA-GGC Section: Construction of limited height subway in lieu of manned LC No: 129 (TVU=24170) in between Kapren-Ghat ka Varana stations by cut & cover method.	1.3916	NA	June'16	June'16	0%	0%
103	2012-13	LB 238	Raj	KOTA-GGC Section: Construction of limited height subway in lieu of manned LC No: 142 (TVU=5742) in between Rawanjna Dungar-Kushtala stations by cut & cover method.	1.4269	NA	June'16	June'16	0%	0%
104	2012-13	LB 239	Raj	KOTA-GGC Section: Construction of limited height subway in lieu of manned LC No: 150 (TVU=3417) in between Kushtala-Sawai Madhopur stations by cut & cover method.	1.4445	NA	June'16	June'16	0%	0%
BOT WORKS										
1	2007-08	NA	Raj	ROB at Km 927/14-16 in Lieu of LC. No. 111 between Gurla-Keshorai Patan in Kota-Sawai Madhopur	NA		March'16	March'16	0%	0%
2	2008-09	NA	MP	BPL-BINA - ROB at Km 846/26-28 between Sukhi-Sewana & Nishatpura. (Bhopal By Pass)	NA	4.17	Completed	completed	100%	100%

1	2	3	4	5	6	7	8	9	10	11
3	2008-09	NA	Raj	ROB in Lieu of LC. No. 37 at Km 64/14-15 on NH-76 on Kota-Baran, Shivpuri Road.	NA		Completed	completed	100%	100%
4	2009-10	NA	Raj	ROB at Km 874/48-875/2 between Rawata Road - Darra station on KTT-NAD section.	NA		March'16	March'16	0%	0%
NHAI WORKS										
1	2006-07	NA	MP	ROB at Km. 1059/1-2 on BIN-KTE Section. (Saugar by pass)	NA	2.88	Completed	Completed	100%	100%
2	2006-07	NA	MP	ROB at Km. 891/13-14 on ET-JBP Section. (Kareli)	NA	2.39	Completed	Aug'14	100%	55%
3	2007-08	NA	Raj	ROB at Km 907/7-9 on Kota-Nagda Section betn Daddevi-Dakaniya Talera stations. (Kota By-Pass)	NA	1.48	Dec'14	Aug'14	70%	95%
4	2008-09	NA	Raj	ROB at Km 31/5-6 between Bundi-Talera station on Kota - Chittorgarh	NA		Completed	Completed	100%	100%
5	2009-10	NA	MP	ROB at Km 962/7-8 in lieu of level crossing No.303 on Itarsi-Jabalpur	NA		Dec'15	Dec'15	0%	0%
DEPOSIT WORKS										
1	2009-10	NA	MP	ET-JBP - RUB near Kareli, L.C. No. 271/A.at Km 889/11-12 (1x4.00x2.50 m RCC box by push through method).	NA	1.27	Completed	Completed	100%	100%

4. वाणिज्य/COMMERCIAL

Highlights/Achievements of Commercial Department of West Central Railway for the year 2013-14

I. Introduction of new trains and increase in frequency :

a) New Trains Introduced-

Train No.	Name	Introduced w.e.f.
22981/22982	KOTA. HMH-KOTA daily superfast	09.04.2013
59838/59837	KOTA. JLWC-KOTA daily Passenger	21.06.2013
59840/59839	KOTA. JLWC-KOTA daily Passenger	21.06.2013
22183/22184	HBJ . IND-HBJ daily AC Double Decker Exp	27.09.2013
22185/22186	BPL . IND-BPL daily AC Double Decker Exp	27.09.2013
19803/19804	KOTA . JAT-KOTA Exp (Weekly)	11.01.2014
12194/12193	JBP-YPR. JBP Exp (Weekly)	01.03.2014

b) Increase in frequency of trains-

Train No.	Name	frequency	Introduced w.e.f.
12160/12159	JBP-AMI-JBP Exp	tri-weekly to daily	22.03.2014

II. Opening of New Section: A new section Ramganj Mandi - Jhalawar City falling under Ramganj Mandi . Bhopal, new line project has been opened for Passenger traffic on 21.06.2013.

III. Opening of Stations for Passenger Traffic:

a) During the year, **3** existing crossing stations were opened for passenger traffic and 2 new stations were also opened for passenger traffic in WCR. At present total 299 stations are open for passenger traffic over WCR.

Division	No .of Station	Date	Station
Jabalpur	1	27.12.2013	Pipariyakalan PWK -E
Bhopal	1	01.11.2013	Vijaypur VJP -E
Kota	3	01.09.2013	Sundlak SDLK-E
		21.06.2013	Julmi JLI-E (New)
		21.06.2013	Jhalawar City JLWC-E (New)

b) Provision of New Halts:

On public demand, 17 trains were provided with provisional experimental halts at 25 stations over WCR.(see Annexure-II)

IV. Passenger Amenities-

a) **Waiting Room-** One air conditioned waiting room for the upper class passengers was opened on dt.21.10.2013 at platform No.1 of Jabalpur Station.

b) New platform –

i) New platform (No. 06) at Bhopal station was inaugurated on 14.09.2013.

ii) New platform no 4 at SWM station was inaugurated on 15.09.2013.

c) **FOB-** Two New FOBs have been constructed under deposit work at NWB station of KTE-SGRL section in the month of OCT-13 and at BHTN station of JBP-ET section in the month of Sep-2013.

d) **Escalator.** Facility of Escalator has been provided at Jabalpur station w.e.f. 06.11.13.

- e) **New ROB:-** A new ROB was inaugurated at Guna station by Hon'ble MOSR(A) on 02.03.2014
- f) **Second stage of Ramganj Mandi- Bhopal new Railway Line:-** Foundation stone of second stage of Ramganj Mandi- Bhopal railway line at Khilchipur was laid by Hon'ble MR on 02.03.2014

V. Ticket Booking Facilities:

During the year, Unreserved Ticketing System (UTS) commissioned at 16 locations and UTS cum PRS facility provided at one location. JTBS commissioned at 25 locations on WCR. As on 31.03.2014 ticket booking facilities on WCR are as under:

UTS-256, UTS cum PRS-55, PRS-42, and JTBS-96

New booking office- On 15.09.2013 new Booking office building was inaugurated at Sawai-Madhopur station.

VI. Parcel Management System- Online Parcel Management System has been commissioned at Parcel offices of Kota on 08.07.13, Sawai Madhopur on 11.07.13 and Bharatpur on 15.07.13 in Kota division.

VII. Online booking of Retiring Rooms- On line booking of Retiring room started at 8 stations in current year. Now total 11 stations are covered under online booking.

S.No.	Station	Date of commissioning
1	Jabalpur	24.08.2011
2	Bhopal	26.08.2011
3	KOTA	01.10.2011
4	Satna	05.07.2013
5	Habibganj	08.07.2013
6	Sawai Madhopur	10.07.2013
7	Itarsi	03.09.2013
8	Katni	05.09.2013
9.	Maihar	07.02.2014
10.	Shri Mahabir Ji	05.03.2014
11.	Baratpur	05.03.2014

VIII. Freight Business:

New Sidings: -

- a) Shri Singhaji Thermal Power plant siding (PSSS)- Bir has been notified for in ward goods traffic on dt 02.07.13 over BPL division.
- b) Another Siding of Kalisindh Thermal Power Project, Rajasthan Rajya Vidyut Utpadan Nigam Limited, served by Jhalawar City station on the newly constructed RMA- JLWC section of KOTA division, opened on 26.02.2014. The Power house consists of two units, each of 600 Megawatts capacity. Projected traffic is about, 5-6 inward rakes of coal.
- c) **EPS-** Electronic payment system for payment of freight started at following locations:

SN	Siding/Goods shed	Customers/Party's name	Date
i.	Dundi Goods shed	M/s Sarada	Jul-2013
ii.	Gosalpur and Kachpura	M/s Sarada	Aug-2013
iii.	BRSM Siding- Mahadeokedi Bina	M/s Bina Oman Refineries Ltd.	Oct-2013

EPS is now operational at total 23 locations of WCR and about 68.75% (March-14) freight is being collected through Electronic payment.

IX. Information Technology:

- a) **IP based Surveillance system:** Provided at Jabalpur & Madanmahal stations inaugurated on 26.04.2013 Now this system is working on KOTA, Jabalpur & Madanmahal stations of WCR. Further, CCTV cameras are also available in PRS at Bhopal station.
- b) **SMS based Passenger Feedback Monitoring System** - An SMS based complaint system which was earlier operated through four separate mobile numbers, separately on three divisions and one for hqrs, is now centralized and SMS based passenger feedback system is made operational on single number i.e. 9752415960. Under this system complaints are now received on a single number 9752415960, the number is connected with a Server in hqrs commercial control and each and every SMS received on this number is forwarded to the concerned department through an I.P. address i.e 10.150.60.112. The system is made operational from 27.11.2013. Total 80 complaints are received through this system and suitably readdressed. Detail of complaints received through this system under main heads are as follows:-

Sr. No.	Head	No of complaints received	Time taken for action
1.	Cleanliness in trains or at stations	15	All complaint are dealt within 24 hours.
2.	Catering & vending	13	2-3 day (Total Rs. 37000 has been received as fine imposed)
3.	Unauthorised passenger in coaches	8	Immediate at next station on receipt of complaint.
4.	Theft	3	
5.	Enquiry	5	Immediate
6.	Watering	3	Immediate at next watering station
7.	Electrical equipment failure	3	Immediate action was taken on all complaints
8.	Improper behaviour of Railway staff	10	2-3 day. After enquiry one staff has been taken under DAR and other are suitably advised.

- c) **Paperless charting System**- Electronic Paperless Charting System was commissioned on Bhopal station on dt. 26.06.2013. At present Electronic Paperless Charting System is running successfully at three stations viz. BPL, HBJ & GUNA over WCR.

X. Release of New booklets:-

- a) **Parcel Loading Programme** - A booklet for guidance of parcel staff was released on 16.07.2013 to reduce cases of over-carriage and to make optimum utilization of SLR/AGC capacity.
- b) **Consumer Redressal Forum cases booklet** - A compendium of Consumer Redressal Forum cases filed against WCR has been prepared with detail analysis of the cases lost, information for staff / officers for improving quality of services and for exploring the need / possibility of bringing modification in existing rules. The book was released on 17.10.2013.

Annexure:- II

- On public demand, following train has been provided experimental halt as under-

Train No.	Train From To	Halt Station	Date From
11463/64	JBP-SMNH-JBP	Sohagpur	28.04.13
12187/88	JBP-CSTM-JBP	Gadarwara	03.05.13
19607/08	KOAA-AII-KOAA	Ashok Nagar	03.05.13
19607/08	KOAA-AII-KOAA	Mungaoli	03.05.13
12197/98	BPL-GWL	Badarwas	21.05.13
11651/52	JBP-SGRL-JBP	Vijaysota	10.06.13
11651/52	JBP-SGRL-JBP	Mahroi	26.09.13
12473/74	ADI-JAT-ADI	Ramganj Mandi	01.10.13
12475/76	HAPA-JAT . HAPA	Ramganj Mandi	01.10.13
12477/78	JAM-JAT-JAM	Ramganj Mandi	01.10.13
19019/20	BDTS-DDN-BDTS	Kapren	01.10.13
11701/02	JBP-IND-JBP	Ruthiyai	03.10.13
11701/02	JBP-IND-JBP	Sarangpur	03.10.13
14309/10	UJN-DDN-UJN	Pachor Road	03.10.13
12615/16	MAS-NDLS-MAS	Ganj Basoda	05.02.14
12409/10	RIG-NZM-RIG	Ganj Basoda	05.02.14
14009/10	CWA-DEE-CWA	Ganj Basoda	05.02.14
19061/62	BDTS-RAMNAGAR	Shamgarg	30.01.14
12405/06	BSL-NZM-BSL	Ganj Basoda	22.02.14
12853/54	DUG-BPL-DUG	Obaidullagang	25.02.14
14309/10	UJN-DDN-UJN	Kumbbraj	27.02.14
21125/26	IND-BIX-IND	Chachaura binaganj	28.02.14
14317/18	UJN-DDN-UJN	Pachor Rd	01.03.14
12475/76	HAPA-JAT-HAPA	Shamgarh	05.03.14
12473/74	ADI-JAT-ADI	Shamgarh	08.03.14

I. Passenger earnings(originating): (Amt. in Crores ₹)

Last year\$ (actual)	2013-14 (Target)	2013-14 (Actual)
981.93	1128.55	1159.24

(18.06% above to last year and 2.72% above to the target)

II. No. of Passengers booked: (No. of Passenger in Lakhs)

Last year\$ (actual)	2013-14 (Target)	2013-14 (Actual)
1447.73	1534.30	1425.47

(1.54% below the last year and 7.09% below the target)

III. Goods Earnings (originating) : (Amt. in Crores ₹)

Last year\$ (actual)	2013-14 (Target)	2013-14 (Actual)
3250.82	3474.82	3352.18

(3.12% above to last year and 3.53% below the target)

IV. Sundry Earnings :

This head of earning is contributed approximately only 15%-20% by commercial branch and the balance 80%-85% contribution is by engineering branch. Except for publicity, and parking no specific earning targets were prescribed in other sub-categories under this head by Rly Board. The overall position of sundry earning was as follows:

(Amt. in Crores ₹)		
Last year (actual)	2013-14 (Target)	2013-14 (Actual)
92.00	102.00	87.99

(4.36% below the last year and 13.74% below the target)

However, this year's contribution of commercial department was to the extent of ₹ 19.77 crore as against the ₹ 17.48 crores of 2012-13 which is 14.94% more than the last year.

V. Other coaching earnings :

(Amt. in Crores ₹)		
Last year (actual)	2013-14 (Target)	2013-14 (Actual)
83.57	116.00	110.73

(32.50% above to last year and 4.54% below the target)

5. विद्युत/ELECTRICAL DEPARTMENT

1. Performance of Electrical Department: 2013-14

1.1 Highlights

- i) WCR has highest electric loco holding of 566 on Indian Rlys.
- ii) Due to persistent perseverance and pursuance with MPERC, tariff for traction has not been hiked continuously for last two years. Thus, notional Financial saving is more than ₹ 150 cr. which has off loaded demand no.10 and improved operating ratio of WCR & other Rlys.
- iii) Utilization: During 2013-14 (Apr.- Mar.), Goods and Coaching loco utilization in WCR territory has improved by 9.37% and 11.94% respt. as compared to corresponding period of last year.
- iv) Punctuality: During 2013-14 (Apr.-Mar.), territorial punctuality loss has improved by 23.42% as compared to corresponding period of last year.
- v) Stalling: Due to provision of Weigand & Hall effect type sensors in all WAG₉ locos, chalking out discrepancies in load table and identifying stalling prone sections, provision of attacking speed boards at foot of gradient, Stalling cases of electric locos in WCR territory have improved by 20.22% as compared to corresponding period (Apr.-Mar) of last year.
- vi) Outage: Coaching Loco outage and Good Loco outage have improved by 17.43% & 1.05% (Ownership).
- vii) New MEMU service was inaugurated from Bhopal to Bina on 17.04.13.
- viii) One Bhopal to Bina Double Decker train between Habibganj-Indore- Habibganj on 17.04.13 and Bhopal-Indore-Bhopal has been started on 27.09.13.
- ix) Ms.Sunita, Hd. Clerk, Electric Loco Shed, Tughlakabad has won five gold medals in her age group (individually in 100 mt., 200 mt. & 400 mt. race as well as in team events of 4x100 relay race & 4x400 relay race) in 35th National Masters Athletics Championship held at Coimbatore from 24.02.14 to 27.02.14.

1.2 Loco

- i) Basic Training Centre at ELS/Tughlakabad was inaugurated on 18.05.13 for improving training facilities to staff.
- ii) Trip inspection schedule of Three Phase Electric locos has been started in Trip Shed/Kota and New Katni with existing manpower to improve the performance of these locos, thereby reducing failures on line.
- iii) New Running room at Saugor/Jabalpur div. has been started since 22.03.14.

1.3 Traction Distribution

- i) As a result of vigorous chasing with Jaipur Vidyut Vitaran Nigam Limited & Rajasthan Rajya Vidhyut Prasaran Nigam Limited authorities, Current Transformer (CT) ratio at Bharatpur/ GSS (feeding 132 kV supply to Bharatpur/ TSS) has been changed to next higher setting (from 100/5 to 200/5 A) without enhancing contract demand. Due to this modification, load carrying capacity on HT side at Bharatpur TSS has increased to 200%. This has improved reliability of 132 kV supply by preventing overload trippings at Bharatpur Grid Sub-Stations.
- ii) Looking at encouraging results of interchanging of capacitor banks from Suvasara (SVA) to Baran and Chhabragugor to Lakheri & vice versa, it was further decided

to enhance capacity of capacitor units at comparatively more loaded JVVNL fed TSSs so that *pf* may improve upto 0.97. So, six unit additional static capacitors were provided by making local arrangements for mounting the capacitor units at Sawai Madhopur, Gangapurcity and Hindaun city/TSSq

- iii) M/s ABB Limited make server of Bhopal-Khandwa section has been divided in two separate sections i.e. Bhopal-Itarsi and Itarsi-Khandwa departmentally, thus saving ₹30.00 lacs. Due to this, only one section at a time will be affected if any communication/SCADA failure occurs.
- iv) Power monitors have been installed on both feeder CBs of TSS/Bina, which is mainly monitoring load (energy consumption) of Bhopal, Jhansi & Jabalpur div. This work has been done successfully departmentally.
- v) Target of replacement of 265 winch type by three pulley type ATDs for 2013-14 has been achieved.
- vi) One traction power transformer of 21.6 MVA capacity at Suvasra traction sub-station has been commissioned on 31.05.13 (no load) replacing 12.5 MVA.

1.4 Gen.Services

- i) Electrification of Vijaysota Stn. has been done by availing 11 kV supply from MP Discom.
- ii) Five nos. 10 kVAR power capacitors have been provided for screw compressor at Diesel shed Itarsi.
- iii) Till now, two escalators each at Bhopal, Jabalpur and Kota stns., two lifts at HBJ stn/BPL and one Travelator at HBJ stn./BPL have been provided for facilities of passengers.
- iv) Electrification work of new C&W building (ground & first floor)/ Jabalpur, Four nos. RB-I qtrs./Katni, Four nos. RB-IV quarters/New Katni Jn. and One no. RB-II quarter/Howbagh has been done departmentally in Jabalpur div.
- v) Two nos. Solar distilled water plants have been provided at Sukhisewaniya TSS.
- vi) One solar power plant of 10 kW capacity has been installed at DRM office/ Bhopal.

2. INFRASTRUCTURE

2.1 Electric Locomotive Holding

Shed (Div)	09-10	10-11	11-12	12-13	13-14(As on 31 st March 14)							%age Var of 12-13 & 13-14
					WAP ₇	WAP ₄	WAM ₄	WAG ₅	WAG ₇	WAG ₉	TOT	
NKJ (JBP)	134	133	173	188	--	--	--	114	74	--	188	--
ET (BPL)	145	165	171	175	--	55	36	84	--	--	175	--
TKD (KOTA)	155	159	178	188	20	--	20	94	29	40	203	7.9
Tot	434	457	522	551	20	55	56	292	103	40	566	2.7

2.2 Traction Distribution (Tr.D)

Items	2009-10	2010-11	2011-12	2012-13	2013-14			
					JBP	BPL	KTT	Total
Electrified RKM	1333	1594	1594	1594	283	602	709	1594
Electrified TKM	3356.2	3679.6	3693.3	3752	714	1430	1608	3752
Tract Sub-Station	20	23	23	25	4	11	10	25
Tower Wagon 4W	9	23	25	26	5	12	13	30
Tower Wagon 8W	2	7	7	8	2	4	3	9

2.3 General Services (OSM and TL/AC)

i) Power Line Group

Assets	2009-10	2010-11	2011-12	2012-13	2013-14			
					JBP	BPL	KTT	Total
DG set	71	86	87	87	38	37	13	88
Pumps	566	581	581	581	188	204	189	581
Water coolers	391	398	398	404	142	131	131	404
AC Units	654	665	665	665	297	170	198	665
Transformers	182	189	189	189	48	67	74	189
HT Points	57	59	59	59	18	14	27	59
Electrified Quarters	27703	27703	27156	27703	9055	8243	9939	27237

ii) AC/TL Coaching Stock

Div	2009-10		2010-11		2011-12		2012-13		2013-14	
	Non-AC Coach	AC Coach	Non-AC Coach	AC Coach	Non-AC Coach	AC Coach	Non-AC Coach	AC Coach	Non-AC Coach	AC Coach
JBP	410	81	410	89	450	95	455	124	461	132
BPL	308	28	334	30	343	32	386	51	372	52
KTT	174	8	186	9	202	11	236	15	250	23
Tot	892	117	930	117	930	128	1077	190	1083	207

Major Maintenance Depot:

JBP Division - JBP, KTE, REWA

BPL Division - BPL, HBJ, ET, BINA

KOTA Division - KOTA

3. Performance of Electrical Deptt.

3.1 Electric Loco Performance (Territorial)

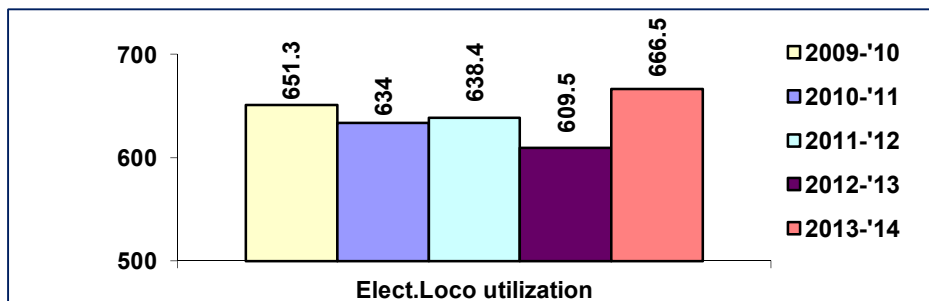
i) Electric Loco failures (Territorial)

(±q improvement and ±qdeterioration)

Category	2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 2012-13 & 2013-14
SF	71	72	70	69	68	1.4
NSF	88	87	127	125	125	--
TOT	159	159	197	194	193	0.5

ii) **Electric Loco (GOODS) Utilisation (Engine KM/Loco/Day: FOIS Fig.)**

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 2012-13 & 2013-14
651.3	634.0	638.4	609.5	666.54	9.4



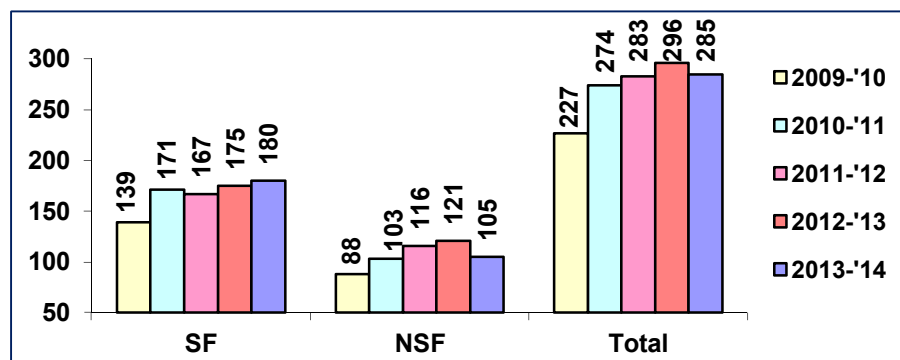
iii) **A.C. Loco Punctuality (Territorial)**

Category	Punctuality loss of trains					%age Var of 12-13 & 13-14
	2009-10	2010-11	2011-12	2012-13	2013-14	
Direct	66	55	70	73	82	
Indirect	87	71	143	149	88	
TOTAL	84	153	126	222	170	23.4

3.2 Electric Loco Ownership Performance

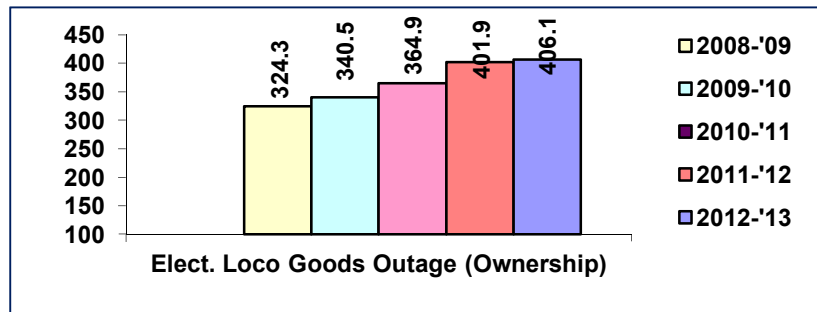
i) **Electric Loco Failures (Ownership)**

Category	2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
SF	139	171	167	175	180	
NSF	88	103	116	121	105	
Total	227	274	283	296	285	3.7



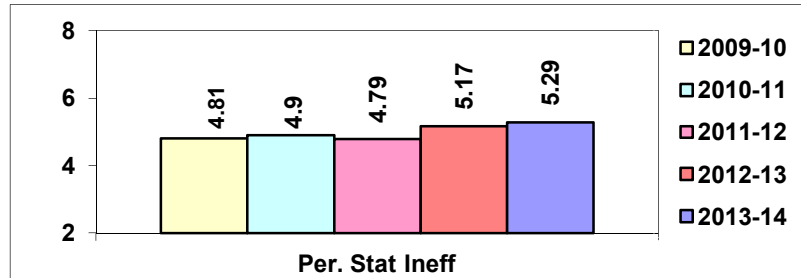
ii) **Engine Outage (GOODS/ Ownership)**

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 2012-13 & 2013-14
324.29	340.46	364.91	401.9	406.1	1.0



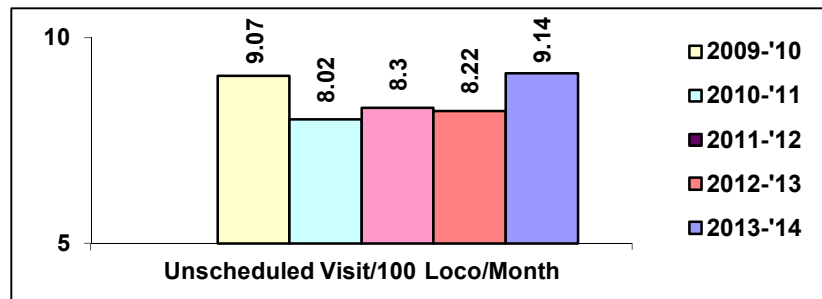
iii) **Percentage Statistical Ineffective of Locomotives**

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
4.81	4.9	4.79	5.17	5.29	2.3



iv) **Unscheduled Visit / 100 loco/ month**

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
9.07	8.02	8.3	8.22	9.14	11.2



3.3 Traction Distribution

i) Failures Cases (On OHE Account)

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
13	11	11	19	11	42.1

ii) Punctuality Cases (On OHE Account)

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
31	27	38	67	46	31.3

3.4 TRAIN LIGHTING & AIR-CONDITIONING

i) TL/AC Failures Cases (Territorial Basis)

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
25	31	28	35	40	14.3

ii) TL/AC Punctuality Loss Cases (Territorial Basis)

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
32	33	39	51	55	7.8

iii) Failures Cases (Ownership Basis)

2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 12-13 & 13-14
10	12	15	25	20	20.0

iv) Coaching Stock Ineffective Percentage (only Elect.)

Category	2009-10	2010-11	2011-12	2012-13	2013-14	%age Var of 11-12 & 12-13
TL	0.05	0.05	0.08	0.03	0.02	33.3
AC	0.59	0.69	0.66	0.48	0.34	29.2

4 SAFETY

4.1 Safety drives/actions taken:

a) Locos

Safety drives to prevent SPAD incidences, to check all loco safety items, bogie-parts, brake rigging items and all under slung equipment including reservoirs of all electric locos, joint panto checking of pantograph by Tr.D and TRO/TRS staff are conducted from time to time.

For recording of isolated/defective VCD on electric locos reported by LPs at the time of sign off at lobbies, 15 days safety drive for counselling and monitoring of weak LPs on line, attention of defective/isolated VCDs and checking of safety related items.

To prevent rising trend of derailments and to check efficacy and preparedness of Railway systems have been conducted.

b) Traction Distribution:

Special drive was launched to avoid OHE failure due to heavy Storm, checking of Tower Wagons by officers & Supervisors , to check Out of run contact wire near RRA clamp and advised to ensure maintenance of RRA clamp , to check free movement of ATD by use of proper spring balance/load with scale of 25 kg , for live line checking of OHE by TW and turn out, cross over , checking of transmission line of supply authorities to TSS and completed, checking healthiness of power cable with train operations and completed, checking of clearance between feeder wire and channels of Isolator & Jumpers to Isolator with channels, clearances have been improved, to prevent the failure of insulators and following activities were performed: Cleaning & replacement of insulators in polluted area, free movement of ATDs, Oiling of SS wire ropes, making good deficiencies of all bonds, removal of bird nests etc. and completed, checking of proper functioning and mounting of Buchholz Relay of each Power Transformer in every TSS. All buchholz relays were found functional & correctly mounted with arrow towards conservator, for checking of Cantilever assembly and angle of Guy rod, checking of Insulated and Uninsulated overlap by Tower wagon, checking of OHE of sidings including insulators cleaning of all the sidings.

c) General Services

Checking of ceiling fans, FT fitting, making of earthing pits and earth-testing is being carried out from time to time.

4.2 Status of Corporate Safety Plan Items

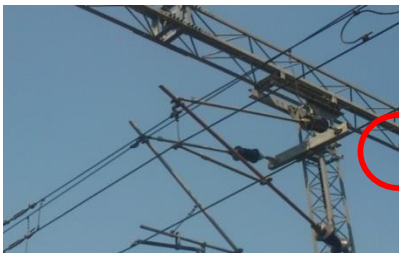

Progress of items of Corporate Safety Plan during 2013-14.

SN	Items	Remarks
1	DBR	Completed
2	Microprocessor based speed recorders in electric locos (ESMON)	Completed
3	LED Marker/ Flasher light	Completed
4	Vigilance Control Device	Completed
5	Twin beam Headlight	Completed
6	Flush light fitting in SLRs	Completed
7	LC gates lighting	Completed
8	Master switches in SLR	Completed
9	Replacement of winch type regulating equipment by modified three pulley type regulating equipment.	Completed
10	In motion loco simulator training centre	LOA issued to M/s Sydee Pvt. Ltd dt.21.03.14, DP- 33 months
11	Emergency lights in coaches	110
12	Elimination of critical implantation locations.	09
13	Provision of screens to 1.83 m height on all FOBs to cover gaps wherever existing between lines	18

- As a Safety Action Plan item for 2013-14 replacement of winch type regulating equipment by modified three pulley type regulating equipment, all 265 nos. have

been replaced by three pulley ATD achieving 100% target. Now all ATDs are of three pulley type over WCR.

- In station area, one rail is used for return current of OHE and other rail of same track is used for signalling circuit. On glued joints, OHE rail is interchanged by provision of 'Z' bonds of 40 x 6 mm MS flat & signalling rail by provision of track bonding wire of 8SWG by S&T deptt. At some stations, it was pointed out that track bond wires found hotter than normal temperature and sometimes track bonding wires were found melted. Investigations revealed that there was very thin air gap or rust between surfaces of rail & 'Z' bond which affects conductivity. To overcome this problem a special drive was observed & every 'Z' bond was opened & refitted after vigorous cleaning of surfaces of 'Z' bond & rail. Fasteners are also properly tightened to obtain proper contact of both surfaces to allow smooth flow of heavy traction return current. This will improve reliability of signalling circuit & prevent unusual occurrences.
- There was an incidence of contact wire parting near RRA clamp at location 871/29 between DARA-Kanwal Pura section of Kota division on 19.11.13. The reason was termination (BWA) wire are having steep angle up to 450 at RRA clamp (As physically measured at loc. 871/25). In this section, contact wire parting cases were observed at location 870/14 (Twice) and 874/11(Once) in year 1991-02.
- To overcome this repeated problem of developing cracks in contact wire near RRA clamp, it was deemed fit to provide large span wire starting just before RRA as large span wire is quite flexible compared to contact wire. On experimental basis the same arrangement has been made at loc.-871/29-31 on 05-03-2014.

Earlier Arrangement	Modified Arrangement
Contact wire is held in RRA clamp & sharp angle of termination makes contact brittle.	Contact wire is terminated & flexible Large Span wire started which will not break even due to steep angle
	

- RRU Modification: Five RRU (25 kVA- KEL make) have been modified to prevent V-belt and smoke emission cases in coaches.
- Checking of ceiling fans, FT fitting, making of earthing pits and earth-testing is being carried out from time to time.

- Pamphlets and booklets
To improve failure handling techniques Pocket size booklets have been prepared for Running staff and supervisors for guidance on -
 - Quick trouble shooting of three phase locos.
 - Conventional & Three phase electric locos circuit diagram & Pneumatic Circuit diagram, Pneumatic Circuit diagram
 - Working in foggy weather in mid section Semi Automatic Signalling System.
 - Signal location chart to help Crew to locate signal in foggy weather resulting in reduction of SPAD cases.
 - Chalak Patras are being published.
 - Dos & Donts safety booklet
 - TSD on conventional & three phase locos.
 - Booklet for train handling technique.

5. SYSTEM IMPROVEMENT

a) Loco

Wheel Parking Bay, constructed in ELS/Tughlakabad (TKD) & Itarsi (ET), has created about **25%** additional working space on shop floor in heavy repair bay and has also eased out one pit for bogie assembly works.



To create floor space and better space utilization –

1. a wheel-set stand with capacity of 50 wheel sets has been fabricated at ELS/New Katni (NKJ).
2. a platform has been made for multi stacking of compressors at ELS/New Katni Jn.(NKJ).
3. ELS/ET has fabricated stand for keeping SIV/ RSI unit which were early lying on shop floor. Additional space created is being used for storing battery charger/AC damping panel & repaired equipment.
4. ELS/TKD has completed modification for providing isolating cock for unloader valves in E-70 brake system, in all three phase locos.
5. Modification under RAP for replacement of unmodified top slack adjuster and shrinkage arm has been completed in all 188 locos by ELS/New Katni (NKJ).
6. Modification in 1000 A reverser/ CTF servomotor to avoid breakage of fork, roller bush and shaft has been completed in all 188 locos by ELS/NKJ.
7. Modification for providing Oil trap chamber in drain pipe of conservator tank of loco main Transformer has been completed in all 188 locos by ELS/NKJ. Now, oil splashed from conservator will be trapped in Oil trap chamber instead of spreading surroundings and thus, there will be prevention of fire cases.
8. Provision of additional spring catcher to prevent the main raising spring to fly off in case of breakage of spring of AM-12 or similar design pantographs used on electric locos, has been completed in all locos in ELS/NKJ.

9. At ELS/ET, Locking arrangements of CTF from all WAP₄ locos has been removed due to which CTF will not be locked and traction side notch problem will not occur.
10. Work of RAP modification of rehabilitation/ conversion of 1000 A EPC to 1500 as per RDSO letter no. RDSO/WAG-5/18 dt.24.02.95 has been completed in all locos of ELS/New Katni Jn.(NKJ).
11. There was problem of breakage of vertical damper's top side bolts in three phase locomotives. On trial basis, ELS/Tughlakabad has provided 15 mm. thick spacers in bottom side foundation of the vertical damper in one loco.
12. There is problem of uncoupling of PU pipe from ferrule in EP contactor of three phase locos. ELS/Tughlakabad is providing modified arrangement on the lines of conventional locomotives and six locos have been completed during month.

b) Tr.D

1. Kota div has provided numerical relays in existing conventional relay panel for **overload protection** in HV & LV side of **12.5 MVA** transformer at Ramganj Mandi TSS and giving good results.
2. Eight wheeler tower wagon no.**819** of Kota Depot (received in **1999** from Mumbai Div.-WR) was defective on run. Tr.D workshop engineers/Kota sorted and rectified the problems at their **own efforts** and available resources; now it is **fit to run** at **110** kmph speed.
3. Power Transformer of Bina/TSS, Auto Transformers no.13 of Ratona/SSP & no.**47** & **48** of Majhgawan phatak/ TSS (JBP div.) have been given **new lease** of life by carrying out work of filtration and heating of oil **departmentally** and thus improving their IR values which had earlier deteriorated considerably.
4. One Control & Relay panel has been commissioned at Bharatpur/TSS of Kota div., which will be very helpful in reducing **overload tripping** thus improving reliability.

c) General Services-

1. Contract demand of HT connection no. N-27 at New Katni Junction has been revised from 700 to 200 kVA and credit of ` 8.42 lacs received thereof.
2. Three nos.1000 LPD capacity solar water heater have been provided at New Running Room Guna and separation of 30-70% load has been done at Ruthiyai station.
3. To prevent V belt failures and smoke emission cases, modification has been carried out in 05 RRU of KEL make 25 kV.

6. Reliability Improvements :

a) Loco

1. Gear type **hand brake** has been provided in **loco no.23032** which is more reliable than earlier version.
2. Provision of deficient accessories for keeping sanders in working condition, has been **completed** in **all 188** locos in ELS/New Katni to improve reliability of locos.
3. ELS/Tughlakabad has completed provision of mechanical locking of **Relay 78** (safety item) in **all locos** with **in-house** resources.
4. ELS/New Katni Jn. - Modification to check logged faults during DJ closed condition has been **completed** in **all 38** locos fitted with Medha make MPCS as per RDSO letter no. EL/4.2.15 dt.15/12/10.

b) Traction Distribution

1. Auxilliary Transformer is a vital equipment of Tr.D assets and directly related with CLS for train movement. **One GAT Protector 300** is provided with AT at Bina Bq cabin to protect it from miscreant activities (Theft on ATs). This device is connected

to CLS panel in Station Master room and a **maintenance free** device. It is a GSM based anti-theft and alarming system which provides **real time information** and **alarming** as well as **SMS alert** to concern authorities in cases of theft.

2. Measurement of **resistive leakage current** of Lighting Arrestors at Chhabragugor, Baran & Sawai Madhopur/TSS/Kota div. were performed with the help of newly procured surge arrester leakage current analyser (SA 30i/SCOPE make).
3. One Control & Relay panel has been commissioned successfully at Bharatpur/TSS of Kota div., which will be very helpful in reducing **overload tripping** thus improving reliability.
4. 40 Ah batteries which are used at switching stations for operations of Interrupters (BM) & Remote equipments have become overaged & giving trouble. Though the codal life of batteries is specified as four years but due to effective & proper maintenance the existing batteries have served more than ten years. Out of ten sets of 40 Ah batteries, six sets have since been replaced. This work will improve the reliability of PSI switch gears.

c) TL/AC & General Services

Various modifications being carried out in AC & Non AC coaches during MLR at CRWS/Bhopal.

1. Provision of LED based Tail Lamp
2. Provision of sunken type EFT as anti climbing features.
3. Provision of Master Switch in guard compartment of SLR coach.
4. Provision of flush type CFL fitting in luggage compartment of SLR coach.
5. Provision of PACIL
6. Provision of injury free fan guard as anti injury features.
7. Shifting of junction box assembly from guard compartment to passenger area in SLR coaches.
8. Provision of Entrance light in AC coaches.
9. Provision of Reservation chart light in AC coaches.
10. Provision of Mobile /Lap top charging facilities in AC & Non AC sleeper coaches.
11. Provision of LED bases Emergency light in all AC coaches & Non AC sleeper coaches.
12. Electronic thermostat for single setting in all AC coaches.
13. Provision of OVP in RRU.

7. Innovations:

a) Loco

1. ELS/ Tughlakabad (TKD) has developed **software (in-house)** for monitoring pending requisitions & purchase orders.
2. ELS/ TKD has started using portable **LED lights** inside locomotives for better illumination during scheduled inspection. This will immensely help in improving the quality of work during schedule inspection.
3. To improve reliability of pneumatic circuit & increase life of filter element, **portable work station** (with three tanks) has been commissioned in ELS/NKJ for **ultrasonic cleaning of sintered bronze capsules** of pneumatic circuit of electric locos. Now about **240** nos. of filter capsules are cleaned in **one shift** while earlier manually only **25** nos. could be cleaned by one staff in one shift.



Portable work station

4. A Transformer lifting trolley and a SR lifting tackle for three phase locos have been developed in house by ELS/Itarsi.

b) Traction Distribution

1. In eight wheeler TWs, control switch of raising & lowering panto is given in OHE inspection cabin which can be controlled by inspecting official, but there is **no indication** in Driving Cabs due to which panto may be damaged if TW enters in unwired line & panto is in raised position. So, **modification** in control circuit has been done and **indications** of lower/ raised panto has been **extended** to driving cabs. Now, TW Driver is always acquainted with actual position of panto.
2. In order to facilitate **monitoring** of **pantograph** during run, ELS/Tughlakabad has provided **cameras** with recording facility on roof of loco no. **31193** on both cabs which will help in failure analysis in case of pantograph entanglement/breakage.
3. SCADA overview of Bhopal-Bina, Bina-Khandwa & Bina-Ruthiyai sections has been displayed successfully at hq./TPC. WCR is the **pioneer** to execute such task **departmentally** on IR. ₹ **One lakh** (approx.) could be **saved** due to this departmental work.

c) General Services

1. Two nos. **solar light pipe** 530 mm dia. have been provided in DRMs office canteen/Jabalpur for day lighting. It collects light from sun and reflects to room.



2. A web based application program has been developed **in-house** for monitoring of AC Coaches healthiness and failure analysis. Now, history of AC coach, details of sick coach, equipment wise failures, IOH & POH position of coaches, MSG record etc. are available **just at a click**.

3. Special jigs & fixtures developed by electrical branch of CRWS/BPL

i) Screw jack type lifting arrangement has been manufactured **in-house** & provided on working table to facilitate lifting of 25 KW Alternator for quick removal of alternator covers which eliminates the requirement of fork lift/ overhead crane for this purpose.

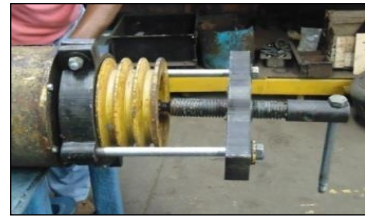


ii) Proper arrangement has been manufactured **in-house** to lock the alternator pulley for removal/ tightening of castle nut during replacement of alternator pulley.



iii) **Alternator Pulley puller** for 4.5 kW/25 KW Alternator

This puller has been designed for easy and safe removal of alternator pulley with lesser efforts. This also eliminates chances of damage to alternator shaft. Previously alternator pulley of 4.5 KW/25 KW alternators was being removed by hammering during overhauling of alternators. Readymade puller available in market is found not suitable for above activity.



iv) **Micro ohm meter** for testing Alternator winding resistance.

Micro ohm meter is being used to ensure winding resistance of alternator within limit as per manufactures maintenance manual so as to segregate the alternator for rewiring.



v) Condenser unit & evaporator unit **leakage test bench**. This test bench is developed & being used for detection of leak age in Condenser unit & evaporator unit by pressure & vacuum test before fitment in AC coaches.



vi) **Automatic Water Raising** Mono block Pump testing system.

The system has been developed **in-house** and being used to test water raising monoblock pump to deliver the water on specified head of 05 mtrs. It is set to cut off automatically on discharge of 150 lt. water and time is also recorded simultaneously by digital timer. The acceptance criteria is 03 minutes and 35 seconds for discharge of 150 ltrs. water.



8. Railway Electrification Projects

Electrification of Missing Links :

Board vide letter no.2008/RE/161/8 dt.**05.08.08** had advised WCR to **submit estimate** of following missing links.

i) **NKJ-SGRL (New Katni Jn.-Singrauli) :**

Estimate has been recast with an amount of ₹ **288 cr.**, (TKM **373.184**) due to reduction of S&T cost by CSTE/WCR. RoR has been worked out which comes out to be **18.72%**. This section is included in **Blue Book** prepared and circulated by Bd. for electrification. Proposal has been sent to Bd. vide letter no. WCR/L/04/8312/KTE-SGRL/RE dt.**23.02.12** duly approved by GM/WCR.

ii) **Maksi-Ruthiyai &**

iii) **Guna- Gwalior :**

As per budget speech of Minister of Railways in Feb,2012, **Maksi- Ruthiyai & Guna-Gwalior** routes have been sanctioned survey for electrification in 2012-13.

Survey cum feasibility report for Guna-Gwalior section (RKM- **227.46** km., cost- ₹ **106.15** Cr.) and Vijaypur - Maksi section (RKM-**188**, cost- ₹ **100.77** Cr.) has been sent to Rly. Bd. for sanction on dt.29.12.12.

iv) **Kota - Chanderia section:**

Rly. Bd vide their letter no. 2008/RE/161/Vol-iii(FTS-15731) dt.29.05.2013 had asked WCR to submit cost cum feasibility survey report. Estimate for electrification of **Kota - Chanderia section** prepared costing ₹ **134.93** cr. (TKM-**175**, RKM-**153** Electrical cost of ₹ 93.94 cr.) with an **RoR 27.43%** has been prepared and submitted to Board on 07.03.14.

9. Economy in expenditure:

Savings due to meticulous monitoring the power factor for non traction HT connections, for maintaining PF above 0.95 for traction connections, on account of interest on security deposit from MPSEB & JVVNL, availing discounts for prompt payments and savings from regeneration. Total savings achieved during **2013-14** is ₹ **45** crs.

• **Energy Saving:**

(fig. in Crores ₹)

Description	2011- 12	2012-13	2013-14	% var.
Non traction rebate	1.217	1.609	1.678	4.28
JVVNL rebate for 132 kV	6.309	8.65	8.98	3.81
Rebate <i>pf</i> above 0.95 by MPERC	2.603	9.963	14.72	47.7
Interest on Security deposit by MPREC	2.725	5.526	5.22	-5.53*
Incentive @0.25% for early payment by MPREC	1.049	1.180	1.143	-3.13 ^{\$}
Incentive @ 5% for Baran TSS by JVVNL	0.841	0.716	0.755	5.44
Incentive @ 10% for GUNA TSS by MPPVCL	1.242	4.679	4.869	2.52
Saving due to energy regeneration by three phase Locos	2.327	4.456	7.63	71.22
T O T A L	18.313	36.849	44.995	22.10

* Less interest on SD was due to **reduction** in **rate of interest** from 9% to 8.5%.

⁵ Less **incentive** in 2013-14 was due to **less energy bill** as compared to previous year (₹ 626.9 cr. in 2012-13 and ₹ 620.3 cr. in 2013-14).

Note: MP Electricity Regulatory Commission has notified the Public notification for petition no.4/2014 in news paper on 13.2.14 & also on their official website www.mperc.nic. for ARR & Tariff Proposal for FY-14-15. MP Discoms have not proposed any tariff hike for Railway traction category & tariff of FY 13-14 to be applicable for FY-14-15.

WCR have contributed immensely in preventing traction tariff hike by logical presentation and constant persuasion with MPERC and filing of Appeal in APTEL against Tariff order for FY 12-13.

Thus, Tariff for **traction has not been hiked** continuously for **two** years. Financial saving is more than ₹ **150** cr. which has off loaded demand no.10 and improved operating ratio of WCR & other Railways. Award of ₹ **50,000/-** has been given by Railway Board to WCR for this **outstanding work**.

1. **Power transducer** has been provided at TSS/ Bina to monitor load current & voltage. Now TPC/ Bhopal can control MD of TSS/ Bina by monitoring load current of both TSS at Bina. Now MD bursting cases can be avoided which will **save** lacs of rupees.
2. **Four** SCADA servers of Bhopal-Khandwa section have been replaced **departmentally** by newly purchased servers saving ₹ **Ten lacs** (approx.).
3. Looking to the encouraging results towards **pf** improvement by strengthening of capacitor banks at Sawaimadhopur, Gangapur city & Hindaun city/TSS by installing additional six unit static capacitors, same method has now been adopted at Suwasara/TSS without making any extra expenditure. With this effort, there is an increase of **2%** in power factor incentive as Rlys. were getting **3%** incentive (₹ **6.5** lacs per month) since Apr.13, which has now turned to **5%**. With this (**5%** of SVA/TSS & **2%** other TSS under JVVNL), total monthly **pf** incentive is ₹ **48** lacs/month (including ₹ **10** lacs credit/month from RTM div it goes upto ₹ **58** lacs/month).
4. By meticulous monitoring **power factor** for non-traction HT connections, for maintaining **pf** above **0.95** for traction connections, on account of interest on security deposit from MPSEB & JVVNL, availing discounts for prompt payments and savings due to regeneration by three phase locos, **total savings** achieved in **2013-14** are ₹ **45** crs..
5. **Repairing** and **overhauling** work of **20** window AC 1.5 Ton, **22** Split AC and **five** water cooler have been done **departmentally**/Jabalpur div.

6. यॉत्रिक / MECHANICAL

1. Workshops

I. WRS KOTA:

- To carryout POH of BG Air Brake Casnub Bogie wagons including special stock such as BLL/BLC, BTPGLC, 4 Wheeler Tower Wagon. Rebuilding of BOXN wagon with Mild steel & up-gradation & rehabilitation of BOXN wagons using IRS M-44 (Stainless steel), conversion of BOXN to BOXNHAM, Retro fitment of twine pipe brake system in BOXNHL, BCNHL and BVZI wagons, ROH of BTPN & BTPGLN wagons.
- Kota workshop is the only workshop in Indian Railway nominated to do POH /ROH of LPG wagons.
- Supply of wheel sets to divisions.

II. CRWS BPL:

- To carryout MLR of AC & Non AC coaches.
- Conversion of PCV into ART/ARTME Van
- POH of WCR owned Inspection carriages.
- IOH of AC & Non AC coaches of WCR.
- Supply of wheel sets to divisions.

2. Diesel Loco sheds of WCR and their holdings are as under: (Holding as on 31.03.2014)

Shed	WDM2	WDG 3A	WDM 3A	WDM 3D	WDP4B	WDP4D	WDG4	WDM2 INF.	WDS6	Accident / U/R / U/cond.	Total
ET	23	0	67	42	08	09	00	3	23	3	178
NKJ	26	122	37	0	0	0	08	4	0	2	199
Total	49	122	104	42	08	09	08	7	23	5	377

3. I. Major carriage and wagon depot.

Sr. No	Division	Coaching depot	Wagon depot
1.	JBP	Jabalpur, Rewa	NKJ, Satna
2	BPL	Bhopal, Habibganj, Itarsi, Bina	Itarsi
3	KOTA	Kota	Kota

II. Infrastructure Growth

A. Addition to Rolling stock

Particulars	Additional Account	Replacement Account	CAP Account	DRF Account	Deposit work	Bond Account	OYWS Account	Head of Account not received
Locos	18	01	-	-	-	-	-	-
Coaches	59	28	-	2	-	-	-	5
Bogies 4 Wh	-	-	-	-	-	-	-	-

Particulars	Additional Account	Replacement Account	CAP Account	DRF Account	Deposit work	Bond Account	OYWS Account	Head of Account not received
Tfd from other Rlys	-	-	-	-	-	-	-	-
Wagons	-	-	-	-	-	-	-	-
Wagon 8 - Wh	-	-	396	-	-	207	-	63
Wagons 4-Wh	-	-	-	-	-	-	-	-

B. Wagons Built by Manufacturers and Railway Workshop during 13-14

Name of the Firm	CAP/DRF	Type	Nos. in Vehicles units	Nos. in 8 Wheelers Units
M/S TITAGARH WAGON KOLKATA	CAP	BCNHL	224	224
M/s HINDUSTAN	CAP	BCNHL	80	80
M/s MODERN INDUSTRIES	CAP	BCNHL	92	92
M/s CWM, SAMASTIPUR	BOND	BOXN	13	13
M/s CWM, SAMASTIPUR	BOND	BOXNHS	45	45
M/s BURN STD CO.	BOND	BOXNHL	100	100
M/s HUNDUSTAN ENGG LTD.	BOND	BOXNHL	49	49
M/s CWM, HUBLI	Not received	BVZI	28	28
M/s MODERN INDUSTRIES	Not Received	BTPGLN	35	35
TOTAL			666	666

III. Disposal of overaged Rolling stock.

(i) No. of WCR Locos put off lines during 2012-13 and 2013-14

DIESEL LOCOMOTIVES (BG)	
2012-13	6
2013-14	1

(ii) No. of coaches and wagons put off line during 2012-13 & 2013-14

Year	Broad Gauge	
	Coaches	Wagons
2012-13	20	08
2013-14	33	07

(iii) Number of coaches and wagons put off and no. of new coaches and wagons put on during 2013-14

S.N.	Particulars	Broad Gauge	
		Coaches	Wagons
1.	No. of coaches and wagons put off the line during the year	33	07
2.	No of coaches and wagons tfd to other railway during the year	NIL	Nil
3.	No. of coaches and wagons put on the line during the year	94	666

S.N.	Particulars	Broad Gauge	
		Coaches	Wagons
4.	No. of coaches and wagons tfd from other railway to WCR during the year	NIL	Nil
5.	Missing wagons BG & NG and coaches NG deleted after reconciliation	NIL	Nil

4. Modernization of workshops and repair depots

(i) New works sanctioned 2013-14 (Pink Book works costing above ₹ 2.5 Cr. Each)

S.N.	PH No.	Name of work	Allocation	Cost in Cr. of ₹
(a)	Running sheds			
1.	42	ELS/TKD- Augmentation of capacity for holding 250 locos	DF-3	14.86
2.	42	ELS/NKJ- Augmentation of capacity for holding 250 locos	DF-3	29.89
	42	ELS/ET- Augmentation of capacity for holding 250 locos	DF-3	18.61
(b)	Workshop			
1.	42	Misrod-Setting up of workshop for repair/ rehabilitation of motorized bogies of electric rolling stock.	CAP	48.00
(c)	C&W depots			
		NIL		

(ii) A) Works completed in 2013-14 (Pink Book works costing above ₹ 2.5 Cr. Each)

S.N.	PH No.	Name of work	Allocation	Total cost in Cr. Of ₹
(a)	Running sheds			
				NIL
(b)	Workshop			
1.	42	CRWS/ BPL- Augmentation of facilities for enhancing MLR Out Turn Capacity of Coaches 300 to 500 per year.	CAP & DRF	7.57
2.	42	CRWS/ Nishatpura- Replacement of old A.C. sheet by Aluminium sheets at CRWS.	DRF	2.63
(c)	C&W depots			
1.	42	Satna- Upgradation of yard as A category	DF-3	2.64

B) New Machinery & Plants (Costing above ₹ 1 Cr. Each) sanctioned in M&P Programme 2012-13 at a total cost of ₹ Crores.

SN	Description of Machine	Qty.	Allocation	Cost in Cr. of ₹
1.	Wheel Press Hydraulic 500T for CRWS/ BPL	1	DRF	3.95
2.	CNC Vertical Turning Lathe Table Dia. 1200 mm on wheel	1	DRF	3.69
3.	Traverser 80 Ton Multi track	1	DRF	2.98

(iii) PASSENGER OPERATION

- ❑ Contract for mechanized cleaning of coaches and depot premises has been awarded by JBP, BPL and Kota divisions of WCR and work under process.
- ❑ Facility of On Board House Keeping Services (OBHS) have been provided in following 7 trains.
 1. 12181/82 JBP-JP Exp.
 2. 11447/48 Shaktipunj Exp.
 3. 12189/90 Mahakoshal Exp.
 4. 11463/64/65/66 Somnath Exp.
 5. 11449/50 JBP-JAT EXP.
 6. 12187/88 Garibrath Exp.
 7. 12059/60 KTT-NZM Janshatabdi Exp.
- ❑ Linen supplied in AC coaches are being washed by contractors who are having state of art Mechanical laundries. One such dedicated laundry has been setup in Railway premises at JBP.
- ❑ Tenders for pest and rodents control has been awarded by all the three divisions of WCR to reputed agencies. Progress of the work is satisfactory.
- ❑ ISO certified establishments of Mechanical department:
 1. Habibganj Coaching depot (ISO 9000)
 2. NKJ ROH depot (ISO:9001:2000)
 3. STA depot (ISO: 9001:2008)
- ❑ ISO 14001 :2004 certified Establishment of Mechanical department:
 1. Diesel Shed ET
 2. Diesel Shed NKJ
- ❑ ISO 18001:2007 (OHSAS) certified Establishment of Mechanical department: Diesel Shed ET
- ❑ IMS, Integrated Management System:(combined certificate of ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007).
 1. CRWS/ BPL- w.e.f. 13 April 2011.
 2. WRS/ KTT w.e.f. 12 Aug 2013.

IV. MAINTENANCE AND USAGE OF ASSETS.

1. Rolling stock under or awaiting repairs:

(i) Percentage of locomotive under or awaiting repairs (Diesel Electric BG):

Description	Avg. No. on line	Avg. under repairs		In Mech. W/shops		Stabled in Sheds awaiting W/shops repairs		In sheds and transportation W/shops			In transit
	No.	No.	%	No.	%	No.	%	No.	%	No.	%
2012-13	331	30.91	9.34	-	-	-	-	-	-	-	-
2013-14	335	31.42	9.38	-	-	-	-	-	-	-	-

(ii) Coaching stock.

Description	Avg. no. of line	Avg. under repairs		In Mech. W/shops		Stabled in sheds awaiting w/shops repair		In sheds and transportation w/shops		In transit	
	No.	No.	%	No.	%	No.	%	No.	%	No.	%
Broad Gauge											
2012-13											
PCVs	1104.17	49.63	4.49	41.63	3.77	0	0	7.99	0.72	0	0
OCVs	14	0.70	5.00	0.70	5.00	0	0	0	0	0	0
Total	1118.17	50.33	4.50	42.33	3.79	0	0	7.99	0.71	0	0
2013-14											
PCVs	1204	61.16	5.08	51.87	4.31	0	0	9.29	0.77	0	0
OCVs	14	0.58	4.13	58	4.13	0	0	0	0	0	0
Total	1218	61.74	5.07	52.45	4.31	0	0	9.29	0.76	0	0

(iii) Wagons

Description	Avg. no. of line	Avg. under repairs		In Mech. W/shops		Stabled in sheds awaiting w/shops repair		In sheds and transportation w/shops		In transit	
	No.	No.	%	No.	%	No.	%	No.	%	No.	%
Broad Gauge											
2012-13	14359.07	770.84	5.37	415.83	2.90	0	0	355.01	2.47	-	-
2013-14	11248.75	770.72	5.89	357.75	2.73	0	0	412.97	3.5	-	-

2. Rolling stock turned out after repairs from Workshop

(i) Coaches (In terms of 4 Vehicler units)

Particulars		MLR OF COACHES	
		2012-13	2013-14
PCV	Non AC	511	529
	AC	50	50
OCV	RD	1	2
	ART	5	6
	ART/RA/RT/RE	10	5
	Total	577	592
IOH of Bogie (coach set)	Non AC	178	178
	AC	66	66
	Total	244	247

(ii) **Wagons (In terms of vehicle units)**

Particulars	POH/ROH/Rebuilding	NPOH	Total
BG			
2012-13	4907	321	5228
2013-14	4750	471	5221

2.1 Avg. No. of Calendar days taken for repairs in shop per vehicle for last two years are as under

Particulars	2012-13	2013-14
NON AC	34.75	34.27
AC	43.09	43.26
Wagon	6.01	11.49

2.2 Cost of repairs in Shops (in Rupees)

Particulars	Broad Gauge		
		2012-13	2013-14
Avg. Cost of MLR of Coach	N /AC	₹ 31.25 Lakhs	₹ 34.49 Lakhs
	AC	₹42.30 Lakhs	₹46.00 Lakhs
Avg. Cost of conversion of ART/ARTME		₹22.00 Lakhs	-
Avg. POH Cost of Wagon in Rs.		₹2,19,244	₹ 2,57,047

3. Diesel Engine Failures (BG WCR)

Year	Total No. of ST Failures	KMs (in lakh)	Average KMs per STT failure
2012-13	324	524.50 Lakhs	1.619Lakhs
2013-14	279	517.15	1.853 Lakhs

4. Hot Boxes

Description	Total No. of Hot Boxes	Responsibility			% variation of total No. of Hot boxes over previous year	No. per ten million vehicle kilometers
		WCR	Other Rly	Unfixed		
Broad Gauge						
2012-13						
Coaching	6	NIL	6	NIL	-500%	-
Goods	111	6	105	-	-16.84%	-
Total	117	6	111	-	-	-
2013-14						
Coaching	1	1	-	-	+83.33	
Goods	77	5	67	5	+30.63	
Total	78	6	67	5		

5. Important features of workshops

During the year 2013-14 repairs to coaches and wagons were under taken in the following workshops.

A. Wagon repair shop KOTA

i. **Out -Turn:** The out turn of POH and heavy repairs to wagons in BG during 2013-14 as compared to 2012-13 is as under in terms of vehicle units(vu)

Stock (Wagons)	2012-13	2013-14
POH	3627	4440
ROH+NPOH	1601	781
Total	5228	5221

ii. **The average daily out-turn during 2013-14**

Stock	Vehicle Units/Day
Wagon	17.66

iii. **The average daily out-turn during 2013-14 (In VU)**

Type of stock	2012-13	2013-14
Wagons 4-Wheeler Unit	0.42	0.43
Wagons 8-Wheeler Unit	17.24	17.03

iv. **Improvement in Quality:** A special emphasis had been paid to improve the quality of work during the financial year 2013-14 such as (i) Development of GO/NO GO fixture to check inner bore of seal wear ring to reduce hot axle. (ii) To check and ensure proper seating of adopter on CTRB, a colour matching fixture has been developed in the workshop (iii) etc. All the wagons had been passed by NTXR.

Parameters	2012-13	2013-14
Avg % of local passing of wagons	NIL	NIL
Sick marking within 90 days of POH of wagons	1.12%	1.4%

v. **Heavy Repairs :** During the year 2013-14 heavy repair, Viz re-flooring, End wall ,Side wall etc. are as under:.

S.No.	Item of Work	2012-13	2013-14
1	Wagon re-flooring BOX/BOXN	635	859
2	Complete renewal of side wall end wall, doors and flooring of BOXN wagons (RSP Work)	118	84
3	Up gradation & Rehabilitation of BOXN wagon using IRSM-44 steel	110	206

vi. **Disposal of over-aged (OA)/ under-aged (UA) rolling stock (in VU) other railways.**

Item(BG)	2012-13	2013-14
(O/A) Wagon	13	32
(U/A) Wagon	116	93

vii. Rolling stock and other scrap auctioned

S.N.	Scrap auctioned	2012-13		2013-14	
		No.	Amount (₹ in lakhs)	No.	Amount (₹ in lakhs)
1	Condemned wagons	665	242.078	307	116.5248
2	Miscellaneous under frame and trolley	-	-	-	-
3	Scrap wheels with axles	-	-	-	-
4	Machines scrapped /Portable machine	10	4.88	-	-

viii. a) Energy conservation of Kota workshop

Description	Unit	Consumption		Saving in %age
		2012-13	2013-14	
Electricity	kWh	23,71,020	22,29,600	5.96%

b) Energy conservation of Kota workshop

Description	Unit	Consumption per VU of out-turn		Saving in % age
		2012-13	2013-14	
Electricity	kWh	453.52	427.04	5.84%

B. CRWS/BPL

- (i) **Out-Turn:** The O/T of MLR of Coached during 2013-14 as compared to 2012-13 is as under.

Particulars	Type of Coaches	MLR OF COACHES	
		2012-13	2013-14
PCV	Non/ AC	511	529
	AC	50	50
OCV	RD	01	2
	ART	05	6
	RS/RA/RE	10	5
	Total	577	592
IOH of Bogie (coach set)	Non/ AC	178	178
	AC	66	69
	Total	244	247

- (ii) **Avg Daily out-turn During 2013-14 as compared to 2012-13**

Year	Coach/Day
2012-13	1.94
2013-14	1.99

- (iii) **Improvement Improvement in Quality:** A special emphasis was paid to improve the quality of work during 2013-14 such as (i) Joints reduced in pipe line circuit of ACP system from 24 to 12. (ii) Developed a process to clear axle box housing assembly. (iii) Improved method for fitment of felt ring and thus the cases of grease oozing are to be eliminated.

(iv) Progress of RSP work:

Sr. No.	Description	2012-13	2013-14
1.	Conversion of coaches for ARTs	5	6

(v) Scrap Disposal (In Metric Tonnes)

Items	2012-13	2013-14
Ferrous	6207.507	6754.305
Non-Ferrous	189.39	177.30

(vi) INNOVATION/SYSTEM IMPROVEMENT DURING 2013-14

1. Joints reduced in pipe line circuit of ACP system :

In the existing ACP pipeline circuit system there were 24 nos. of joints. After modification joints have been reduced to 12 nos. Now the air pressure leakage will be reduced. Also in this modification saving of approximate Rs. 394/- per coach has been achieved. Modification is being carried out in all coaches turned out after MLR.

2. Provision of Rubber pad arrangement on tackle of 25 T crane:

During lifting and lowering activity the lifting tackle of 25 T crane infringes and damages gutter molding of coach body. Now rubber pad arrangement has been developed and attached to lifting tackles at suitable location to avoid any damage to coach body. This arrangement has also restricted the tilting of coach during lifting and lowering. Chances of damage to coach body during lifting/ lowering are reduced.

3. Reduction in Resource consumption:

Released FRP window assembly is accumulated in workshop. In this window assembly, FRP frame was in broken condition and could not be reused. However, other components like modified equalizing device, louvers and glasses were in good condition. A drive was launched to get serviceable part for consumption after dismantling. 1500 nos. new FRP frames have been purchased that will help to use serviceable component for window assembly. Saving to the tune of Rs. 14.63 lakhs will be achieved in 1500 shutters.

4. De-greasing of helical spring by means of saw dust:

Presently helical spring of MLR and IOH coaches prior to shot blasting are being degreased /cleaned by means of chemical cleaning i.e. dipping in Bosch tank, which tends to generate effluent. The existing ETP is not in working condition and beyond economical repair. As per the legal requirement of MP Pollution control board ISO 14000, it is necessary to treat the generated effluent through ETP before discharge. The cost of installation and operation of new ETP is also substantial. A system has been developed to degrease spring by means of saw dust prior to shot blasting instead of chemical cleaning. Now there is no need of ETP.

5. Provision of wet type Arrester in gas Line System

Dry type flash back arresters are being used in DA gas line system in Body shop. These type of arresters are not repairable and need to be condemned. After detailed study and visit to BHEL, it came to notice that wet type flash back arresters are also available for DA gas line system.

One wet type flash back arresters has been mounted and performance has been found to be satisfactory.

The main advantages of these arrestors are:-

- a) Long life and can withstand many flash backs without being condemned.
- b) Except topping up of water once in fortnight, they are maintenance free.
- c) Instead of individual cylinder mounted two dry type flash back arrestor, only one wet type arrestor is sufficient for two out lets.

6. Development of puller

Difficulty was being experienced in removing pulley from alternator shaft during overhauling. Commercially available puller was tried but found unsuitable. To overcome the problem, a puller has been developed by shop staff. It is working satisfactorily.

7. Display of painting process validation and schedule board

Job of paint shop is having standard painting schedule of different stages. To develop / improve the knowledge of staff & new recruits about painting and to cater to the needs of new staff in CRWS and trainees, Painting process validation and schedule board have been fabricated and displayed in paint shop. The sequence of operation of painting of coaches for systematic and good quality painting has been elaborated on the board, which will help the staff & new recruits to develop/improve their knowledge about painting.

8. Stainless steel panel in pantry car

CRB instructed, vide para-17 of inspection note no. 2013/M(W)/509/1 Dtd.25.06.2013 during review meeting with CME/WCR and CME/SECR, that interior panel specially of kitchen area should be furnished with stainless steel panel. Water tank with enhanced capacity should also be provided in pantry car.

In compliance of above instructions, during the MLR of pantry car no. ECO 998803 WCB has been provided SS panels in kitchen area. The capacity of water tank in kitchen has been increased by diverting water from water tank over store compartment. Appearance of the Kitchen area now looks good. Increased capacity of water tank will reduce the risk of emptying the water during the run of train.

9. Safety enhanced in DA Gas manifold room/ Body shop

In DA gas manifold room to connect cylinders to manifold header ~~MS~~ wire braided hose is used. In case of hose working out injury to staff in manifold room may occur. In DA gas manifold room, first time ~~SS~~-braided Teflon tube based hose connection have been procured to connect cylinders to manifold header instead of ~~MS~~ wire braided hose. The chances of leakage have been drastically reduced as the ferrule is brazed to SS casing instead of crimping in earlier MS wire braided hose. Also in case of hose working out, the SS wire loop have been provided which will prevent flying-off of the hose and to prevent injury to staff in manifold room.

10. Cleaning of Axle box housing components.

At the time of commissioning of roller bearing cleaning plant, only roller bearing were cleaned. Wheel shop has developed a process and a steel mesh container and started cleaning of axle box housing assembly items like hex head bolt, retaining ring & ring. Now the quality of cleaning of components has improved which will help in intensive checking of components. It will also reduce the health hazards to staff during manual cleaning by kerosene and reduce cleaning time.

11. Development in Procurement of Bio Tank bracket

Rly. Board has instructed to fit bio tank in all coaches during MLR at CRWS. Accordingly 244 sets and 400 sets of bio tank brackets had been arranged from trade and RCF respectively. The welding quality of these brackets has not been found satisfactory and transport from RCF was also uneconomical. Another supply of brackets which was arranged on work order basis received were in un-assembled condition and have to be welded.

To address this problem, a survey was conducted to explore sources in local market. Finally, M/S. Mayur Enterprises, Bhopal was guided to manufacture mounting brackets on work order basis. Corton steel was supplied by CRWS. M/S. Mayur Enterprises has successfully delivered mounting brackets and the quality was satisfactory.

12. Improved method for fitment of felt

In past, cases of grease oozing in wheel set were reported to this workshop. Root cause analysis was conducted. In most of the cases felt ring was found to be deformed/ perished. Fitment of rear cover with felt ring was studied. It was observed that though fitment methodology was being adopted for last many years, but it can result in damage to the felt ring.

A simple device, hollow tapered sleeve, was developed for this purpose. Rear cover with felt is slipped over the hollow sleeve. Now a mere push is enough to guide the rear cover with felt ring and fit it on axle. In this new method felt ring is not twisted / damaged. The cases of grease oozing are likely to be eliminated.

13. Development of software for chasing of files of concurrences cases

CRWS/BPL has developed software in VB.net for monitoring of proposals which require associated finance vetting. In this software, proposal files movement are closely monitored by each department as well as by top management of CRWS BPL, for which nodes are provided to all the departments, in the existing PCs. This has ensured timely reply of queries raised by finance department. Time for concurrence of proposal by finance has also drastically reduced. A weekly pending cases position is also generated from this software which is discussed in Monday meeting of CRWS BPL which is attended by all departmental heads.

14. Additional terminal for gate entry system

Issue of gate pass with photo identity is a must in CRWS. Since Dec 2010, we had one terminal system for capturing photo of visitor. Now the work load has increased and it was felt to install one more terminal for gate entry. Another terminal to issue gate pass has been installed in safety cell for which the software has been developed in house. Now two PCs are connected through LAN system utilizing same data simultaneously. This has facilitated reduction in waiting time for contract laborer and visitors for issuing gate pass, thereby increasing contract labour productivity.

15. Storage of Diesel in underground tanks.

Supply of diesel is being received through road tanker, which is then decanted in barrels. The storage of diesel in barrels was hazardous. IOC was approached to provide underground storage tanks for diesel and kerosene along with the dispensing unit. The unit has been made functional on 28.03.2014 in the presence of GM/WCR. Now the storage of diesels and kerosene in barrels is not required.

16. Installation and commissioning of turn table at new final Shop

After lifting a coach, in new shed, the bogies cannot be sent to Bogie shop because of the turn table not fitted. One existing turn table which was situated between Lifting shop & PCR shop was not in use. Instead of purchasing new turn table, CRWS decided to relocate it. Turn table is embedded into RRC block of 1.5 x 1.5 x. 1.5 mtrs. Re-location was tough job. After completion of new shed, the existing turn table has been relocated in new final shop by efforts of Millwright Staff. In this way saved about Rs. 15 lakhs as cost of new turn table. Now after lifting a coach, in new shed, the bogies can be sent to Bogie shop through this turn table.

17. Fabrication of fuming chamber

A room was being used as a fuming chamber, which was not working effectively as chemical fumes enter into the section. Staff working their gets affected and all the electric and other fittings of room were also affected by hazardous fumes. To overcome the problem, a proper exhaust fuming chamber has been developed by designing and fabricating in house. This chamber is working efficiently, thereby enhancing safety of laboratory staff as well as fittings of room.

18. Magnaflux spring crack detector

A revolving arrangement has been developed for testing spring.

By this arrangement the springs can be tested speedily and properly

WRS KOTA

1) **Title:** To make a GO/ NO GO fixture to check inner bore of seal wearing.

Background: Seal wear rings of the CTRB are push fitted over the axle. Loose seal wear ring may cause:

- (i) Grease oozing resulting into hot axle.
- (ii) Cutting of axle metal because the loose seal wear ring may move over the axle.

So, to ensure proper fitment of seal wear ring over the axle, checking of inner bore of seal wear ring is important.

The RDSO CTRB manual G-81 is silent about measuring the inner bore of the seal wear ring.

Innovation: The construction of the fixture is very simple which has been made by utilising (i) Rejected Draft gear support plate (ii) 8 mm plate (iii) cut axle journal.

Thus the fixture has been made using scrap plates and axle. The fixture has been made by welding.

Inner diameter of seal wear ring is 144.552 mm. The axle journal fitted on the fixture is of dia. 144.552 mm. If the seal wear ring goes into the journal, the same is rejected. If it does not go, it is used.

Benefits: The innovation is a quality requirement which focuses on the better performance of CTRB in the field. It is estimated that proper fitment of seal wear ring will reduce/ eliminate the chance of grease oozing which is a potential reason for hot axle.



Photo of GO/ NO GO fixture to check inner bore of seal wear ring.

2) Title: Water supply control through water level controller in water cooler tank.

Background: In summer season water coolers provided in workshop for cool & pure drinking water to employees. For pure water supply water purifiers are associated with it. These purifiers connected through water supply pipe line and water feed into tank through purifier. As the water tank is full of water level it continues over flow from tank.

Innovation: The water level controller checks the water level in the water tank at three stages. As water tank is full of water it operates contactor and stops electric supply of water purifier. Hence water supply to tank is stopped. As the water level is dropped it operates contactor and start supply from water purifier.

Benefits: This innovation is very useful because.

- (i) It saves the drinking water, which is limited.
- (ii) It saves electricity, which is equal to generation of power.
- (iii) It increases the life of water purifier.



3) Title: Development of a new staff friendly payment slip.

Background: The existing pay slip is not staff friendly. All the informations printed are jumbled such that sometimes it becomes difficult to find some information. The size of the pay slip is also awkward (size 15×4+).

Innovation: The new designed payment slip is very staff friendly. It is in A4 size paper. All the informations are nicely arranged so that informations are easily accessible.

4) Title: Test Bench for Safety Valve of BTPGLN wagons.

Background: The barrel of LPG wagon is designed to withstand 15.85 kg/cm^2 pressure. Being a pressure vessel, a safety valve is provided on the dome assembly of LPG wagon barrel. To ensure that the safety valve is fully operational and no leakage present before mounting, no system or method was available to check overhauled valves. Thus many times, the overhauled safety valves fail during pneumatic test which results in wastage of man power to reopen the safety valve and refit another valve.

Innovation: A test bench has been developed in-house with unserviceable materials to test the safety valve before its fitment of the barrel. The safety valve is designed to blow between 12.25 to 12.75 Kg/Cm^2 pressure. The safety valve is fitted on the test bench & pressure is applied and safety valve is checked to blow in the given range.

After the test of blow, Pressure is reduced to 12.10 Kg/Cm^2 and at this pressure leakage test with soap solution is done.



5) Title: Development of a device for fitting CP Top for CASNUB bogie wagons.

Background: Centre pivot top is fitted underneath body bolster before lowering of the wagon. As it is heavy, 4 persons are required to lift it upwards for correct fitment. During fitment each person has to apply equal force simultaneously, otherwise chances of injury are very high. Hence this work is a potential source of injury to worker and the work is itself very laboursome and cumbersome.

To ensure safe & proper fitment, an in-house device has been developed with scrap materials for fitment of the centre pivot top with body bolster.

Innovation:

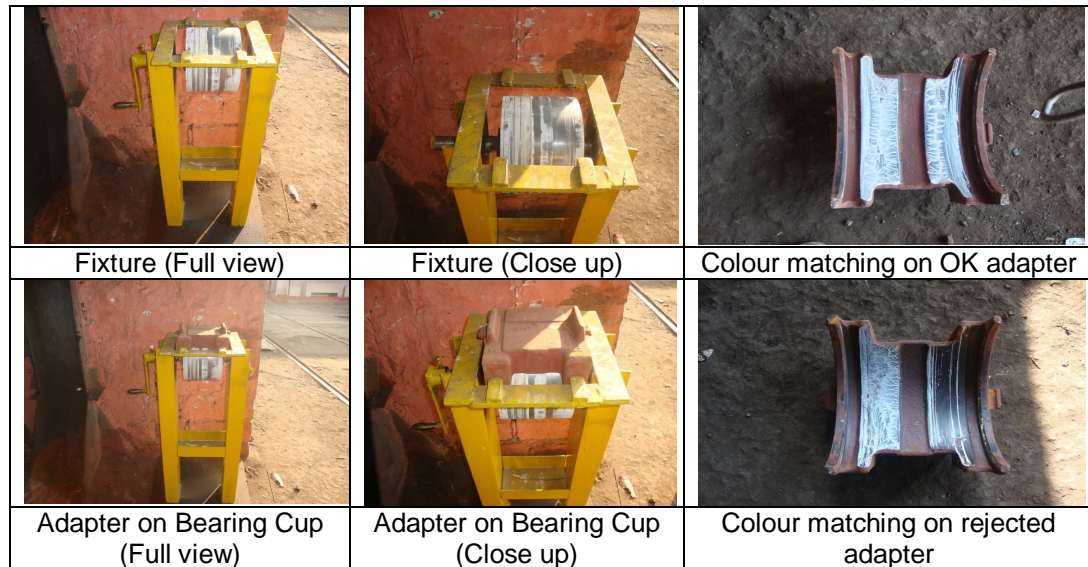
During the course of fitment, centre pivot top is placed on the support plate which is further supported by a cylindrical guide. This guide is so mounted that it moves vertically up and down with the rotation of hand brake screw. Hand brake screw is powered through bevel gear assembly by hand brake wheels. Two sets of this gear & screw combination are linked together with connecting links to operate this fixture from either side. This arrangement is mounted on a hand trolley which ensures very easy movement of the fixture. After the proper fitting of the CP top, fixture is removed.



6) **Title:** Bearing Cup & Adapter matching fixture.

Background: It is very important that adapter must seat properly over the cup of CTRB. Improper seating of adapter on the cup may lead to local overloading of CTRB which may lead to hot axle. Presently there is no system to check proper seating of adapter on the cup. As per present practice . for adapters various measurements are done with the gauges as per G-95 and that of cup is as per G-81.

Innovation : To check and ensure proper seating of adapter on CTRB, a colour matching fixture has been developed in the workshop. On this fixture proper seating of all new adapters over CTRB cup is checked through colour matching.



7) **Title:** Introduction of timers in circuit of purging & softening machines.

Background: It is very important to clean bearings properly. Improperly cleaned bearing may lead to hot axle. Minimum timing required for proper cleaning in purging & softening machine is 1 minute each. Previously there was no system to ensure proper cleaning of bearings for minimum time of 01 minute.

Innovation: To ensure cleaning of bearing for required duration of time, timers have been introduced in circuit system of purging & softening machines. Timers are set for 1 minute. Now, bearings are correctly cleaned on both the machines for one minute each.

8) **Title:** Human friendly Guard chair.

Background: Old guard chair was completely made of MS sheet and angles having sharp edges. The metallic chair was uncomfortable to the guard especially during the days of extreme temperature such that summer and winter.

Innovation: Wooden batten are being fixed on guard seat, back and arm of the chair. With CSK screw and nut. The wooden batten will be more comfortable especially during summer and winter.



9) Title: Formation of **Tender cell** at Kota workshop: - A step towards system improvement.

Background: There are many works which are being done through Tender/Contract. Presently the tendering processes are being done through different groups of people of different sections. All these people are not sufficiently trained to handle the tendering process and there have been mistakes in the tendering process due to poor knowledge. Also control on the tendering process and actual execution of the work through contract was not satisfactory in the present system of tendering in the workshop.

So, a tender cell has been formed with people with good knowledge. A policy letter detailing how the tender cell will work and how the actual execution of contractual work will be done has been issued. It is expected that this system improvement will eliminate/minimise mistakes likely to happen in the tender/contract in the workshop.

10) Title: KIOSK for employees information system.

Background: A large No. of staff of Kota workshop were coming to main office to get information like their Leave details, PF balance etc. during duty hours. It was felt that there must be an enquiry system so that staff is able to access the desired routine information. Therefore employee information touch screen Kiosk has been installed in Yard shop in the workshop.

Description of innovation: In wagon repair Workshop, Kota the PRIME & AFRES have been implemented, the soft ware of PRIME & AFRES have got a number of capabilities such as complete employee bio data, income-tax details, provident fund ledger details, leave details and loan & advances details salary with year and month wise and other information relating to the personnel records. A large no. of employee related information is available on PRIME & AFRES. These informations can be seen on Kiosk by touching screen and entering employee PF number. All the informations are password protected for individual employee.

Presently, the employee can see the following informations through the touch screen kiosk:

- | | | | |
|--------------------|---------------------|-----------------------------|---------------|
| 1. Payment Details | 2. Leave Details | 3. PF Details | 4. Income Tax |
| 5. Bio data | 6. Loan and advance | 7. Staff grievance details. | |



PHOTOGRAPHS OF TOUCH SCREEN KIOSK

डीजल शेड द्वारा किये गये अभिनव कार्य :-

1. ULTRASONIC TEST OF BEARING INNER-RACE:-

Number of failures have been reported on account of Axle-locking problem due to Tr. Motor pinion end side bearing seizure. Investigation revealed that, there was no any method existing/ in practice which ensures the bedding percentage after fitment of inner race of bearing on Shaft due to which failures occurred.

In order to overcome the problem, now the bedding of inner race on shaft has started checking by ultrasonic testing & the percentage of bedding is being ensured to be more than 70 % for putting it in service.

This will improves the reliability of TM ϕ , Axle Lock cases is expected to be eliminated.

2. Fuel Pump Motor Test Bench for WDP4B/WDP4D Locomotive:- At present Diesel loco shed, Itarsi is holding 18Nos. HHP locomotives. Overhauling Sch. of their FPM is 3 Yly. Due to non availability of necessary testing facilities in shed O/H work of F P Motors could not be carried out.

To overcome the problem ET shed has fabricated and developed a Test Bench for WDP4B/WDP4D Locomotive as per R.D.S.O. design bulletin No. DB/02/2013/01 dt. 26.02.13. The Fuel Pump used on HHP locomotive is being procured from EMD. The designed discharge rating of this Pump is 7 GPM at 40 PSI pressure charge head. A fuel pump has been tested on the Test Bench and its response to variation in suction head, discharge head at input voltage and current has been checked and recorded. Successfully .now after over hauling seting of fuel pump motor could be done in shed.



3. Developed Three phase A.C.Traction Motor Pinion Extraction Arrangement for WDP4B Locomotive:-

Diesel loco shed, Itarsi is having 08 nos. of WDP4B locomotive on date. 3 phase A.C.

Traction motors are used in WDP4B type locomotive. Traction Motor Pinion arrangement is different from Conventional D.C Traction motors of ALCO locomotives. For maintenance and overhaul of Traction Motors, Pinion Extraction arrangement facility is quite essential, which is not available in this shed so far. Without this facility shed is facing great trouble in overhauling of these TM ϕ . Now shed has developed **A.C. Traction Motor Pinion Extraction arrangement**. By using shed resources this arrangement has been fabricated and developed the fixture to remove the T.Motor Pinion from AC TM ϕ .



4. W.W.Gov. Parameters & Wiring Test Kit:-

Diesel loco shed, Itarsi is having 75 nos. of locomotive equipped with W.W.Governor. This type of Governor is having four nos. of speed solenoids provided for controlling of RPM, Load Control Potentiometer and shutdown Plunger switch. The wiring Continuity and component parameter are checked by staff through Amphenol plug pin. For trouble free testing and easy trouble shooting the existing procedure is not much reliable and not user friendly for staff.



To overcome this problem easy method has been developed by Diesel loco shed, Itarsi and test kit has been made to check the component parameters and wiring grounding. This test kit is beneficial for W.W.Gov. Electrical component testing and enhances the reliability of W.W.Gov.

5. WDP4 Locomotive Controller Drum Test stand :- Each loco having two control drum for maneuvering the loco from each side. The compact mechanism is designed to energize the locomotive electrical control circuits through cam operated roller switches which transfer desired electrical signals to the microprocessor of the locomotive.

Test bench to check the operation of the controller switches has been developed by shed roller switches of the controller can be checked in easy manner on this bench. This will enhance the reliability of the controller assembly.

6. MEP Data analysis software:- Existing MEP data analysing software is providing only data of faults occurred earlier. This system does not make any data for comparing other data to find out health of system. Look in to this matter Itarsi Diesel shed has incorporated trend analysing data in the existing MEP software with help of M/s Servo drives HYD.

7. IGBT – Test Kit: - An IGBT is a Insulated Gate Bipolar Transistor. As the name indicates, it combines the advantages of BJT and MOSFET. IGBT module 150A/600V use in F.P. Motor inverter and IGBT module 100A/600V use CCEM and synch. motor inverter.

ET Shed has developed a test kit to test the IGBT performance so that failure of inverter due to IGBT failure arrested so also loco failure on line can be minimized and availability is improve.

8. Electrical Circuit Diagram :- A booklet containing Electrical Circuit Diagram of Diesel Locomotive has been prepared & formally inaugurated by DRM/BPL. This booklet is beneficial for the maintenance purpose & for the Loco Pilots during operation, to understand the circuits of new generation of locos & their trouble free operation on line.

9. Driver Repair Book :- WDP4 locomotive are new type of locomotive based on latest technology & its loco working parameter are of different type from conventional one, so that existing Driver Repair Book of conventional locos is not met with the parameters of WDP4. In view of the above from long time it was felt that the new repair book for WDP4 Should be developed in continuation of above new Driver Repair Book is now developed for endorsing the following observation by loco pilot, maintenance staff, foot plating officer, Loco inspection etc.

1. Running parameters of locomotive.
2. Trouble arising in Engine/Loco during run.
3. Special comments on loco performance.
4. Handing over & taking over of loco pilots.

The feedback observation written in this driver repair book will be very useful in the maintenance as well as in the operation of loco.

10. EOS (WDS6):- The micro switches used for engine over speed tripping mechanism in WDS6 switches are too delicate in nature, resulting into loco failure online very often as a result loco reliability is deteriorated on this account. In order to arrest failures on this account loco start push button has been put in service in place of EOS micro switch, after a little modification in mechanism. This has resulted in increased reliability.

11. Mechanical bonded Radiator core Tube leakage detector Gadget: - Radiator core is a vital component of diesel locomotive. It is provided to cool the water used in cooling system of locomotive. The Radiator core is having 694 to 796 tubes. The Radiator core is subjected to high

thermal loading during service as a result of which its tubes get puncture/burst during service. The tubes of the Radiator core are fitted in series of copper fins. The identification of punctured tubes is a cumbersome job during maintenance. In order to repair a damaged tube proper identification of this tube is a pre-requisite. A gadget has been designed and fabricated by the staff of this shed to identify the punctured tube with very less effort within no time. Hitherto the identification of these tubes was being carried out by hydro-pneumatic process. It takes time and excessive manpower. The new gadget facilitates easy identification of punctured tube by hydraulic testing at 2kg/cm^2 .

12. PROBLEM OF WOODWARD GOVERNER:- Two WDP4 locos failed on line due erratic engine RPM. This malfunctioning was occurred due to Oil leakage through Amphenol Plug in WW governor of the locomotive.

Hitherto in every schedule Amphenol plug needed to be cleaned since oil ingress is regularly observed. Despite earlier attention the problem persisted.

To overcome above problem, shed has suitably modified governors by providing GE type Amphenol plug (having threaded locking arrangement) and fitted on locos. Till date no problem is noticed on this account.

13. Modification of Control Cansol wiring of WDP4 At present diesel loco shed Itarsi , is holding 17 Nos of WDP4 locomotives for maintenance. Sometimes in all these locomotives, due to improper forward /reverse feedback , the control console unit start to malfunction due to which failure of locomotives on line started to occur regularly . In order to rectify the fault, a detail investigation was conducted . During the investigation it was found that while mounting the unit the space got reduced so much that the connection wire pocket got rubbed continuously, resulting in loosening of connection terminals which effected the operation of locomotive on line. Due to cover over the wiring and partial disconnection, it was not possible to visualize the fault immediately. After finding the reason for the failure, in order to curb the failure, connection terminals are being soldered due to which they remain intact even after friction and continuous stress. After the modification, no such failure has been reported for the said cause.

14. Semiconductor/Thyristor Test Bench- Rectifier assemblies, Thyristor assemblies and Silicon Control Rectifier assemblies of HHP locos are scheduled to be overhauled in the M-36 schedule of the HHP locomotives. An urgent need to develop proper testing procedures for these components has lead to the development of a test bench using the available shed resources, which can be used for testing all these three type of assemblies. This three in one test bench can be used for,

1. Testing Silicon Control Rectifiers
2. Testing Diode/Thyristor Assembly
3. Testing Traction Alternator rectifier Assembly

With help of above test bench parameters related to WDP4 could be maintenance related.

15. Slip ring carbon bending: - In the HHP locomotives, main generator Unit is formed with main alternator, companion alternator and rectifier. The slip rings present in the main alternator and companion alternator contains carbon brushes which helps to provide the necessary D.C supply. During the changing of carbon brushes in the companion alternator , 50% bedding of carbon is required in the slip ring present in the companion alternator which takes nearly 12 to 18 hours in loco. Then only it is confirmed it will perform efficiently without under going any trouble. To ensure this bedding now shed has developed one SLIP RING CARBON BEDDING EQUIPMENT wherein this bedding can be ensure before fitment of companion alternator carbon brush.

This not only improves the reliability of carbon brush, slip ring but also helps eliminate failures and reduce down time of loco in shed on this account.

16. HHP (WDP4) LOCOMOTIVE INLET AND DISCHARGE VALVES:- The HHP (WDP-4) locomotives have been introduced recently in diesel locomotive fleet of diesel loco shed ET. The compressor of these locomotives has been equipped with different design of inlet and discharge valves. Hitherto shed staff has been facing problem in dismantling and assembling of these valves. One gadget has been designed and fabricated by the staff of this shed to facilitate easy dis-assembling and assembling of these valves.

17 Turbo lub oil pump motor Test Bench:- In M36 schedule , turbo lube oil pump motor (TLPM) of HHP locos are to be overhauled as per RDSO specification No. Misc 285 (Revision ...00) Aug 2012. In order to carry out the schedule testing work properly in time, a test bench was developed with the help of the sources available in the shed for testing of T.L.P Motor .With the help of this test bench nearly all the parameters related with the schedule work of T.L.P motors can be checked in time.

सर्वोत्तम अभिनव प्रयास एवं अनुरक्षण पद्धतियों हेतु पुरस्कार :

Best Innovations Shield 2012-13 :- Function of 58th Railway Week Awards at CME level has been organized at JBP/WCR on 31.5.2013. Diesel Loco itarsi, in continuation with the previous year, has been awarded with **%BEST INNOVATIONS SHIELD**".

Along with the above 05 individual & 03 group awards have also been given to the shed , staff , supervisors & officers for their outstanding contribution in achieving excellence in the work of maintenance of Diesel Locomotives at ITARSI shed.

ROLLING STOCK SHIELD :- During the 58th Railway Week awards , organized at Bhopal Division , on 18.04.13 , DRM/Bhopal has awarded best maintenance Rolling Stock Shield jointly to Diesel Loco shed ITARSI along with the cash award of ₹ 2500 /- for the Outstanding work & Performance of ET/shed during the year 2012-13.

राजभाषा के क्षेत्र में किये गये उल्लेखनीय कार्य :-

शेड का राजभाषा गौरव:- शेड का राजभाषा गौरव:- डीजल लोको शेड इटारसी को राजभाषा क्षेत्रों में स्थित कार्यालयों में सर्वश्रेष्ठ राजभाषा कार्यान्वयन के लिए रेलमंत्री राजभाषा शील्ड एवं ₹ 7000/- नकद रेलवे बोर्ड नई दिल्ली में अध्यक्ष रेलवे बोर्ड ने सम्मानित किया। शेड के लिए यह गौरवशाली ऐतिहासिक क्षण था, इस ऐतिहासिक कार्य हेतु मं.रे.प्रं द्वारा भी ₹ 4000/- का नगद पुरस्कार दिया गया।

“डीजल ज्ञान” पत्रिका का विमोचन:- मंडल रेल प्रबंधक द्वारा दिनांक 27.03.14 को शेड निरीक्षण के दौरान डीजल लोको शेड इटारसी द्वारा प्रकाशित राजभाषा पत्रिका “डीजल ज्ञान” के संयुक्तांक (जनवरी-मार्च 2014) का “इ” विमोचन किया गया, एवं राजभाषा के क्षेत्र में किये सारहनीय कार्य हेतु ₹ 2000/- का नगद पुरस्कार दिया गया। इस अवसर पर राजभाषा के प्रचार प्रसार में अपना विशेष योगदान देने के लिये कर्मचारियों को भी पुरस्कृत किया गया।

कर्मचारी कल्याण हेतु किए गए कार्य :-

Seminar on UST by Shri D.K.Maski C&M/CRWS Bpl :- A seminar on Ultrasonic Testing was conducted on 21.05.13 at Diesel Loco shed ITARSI , in which Mr D.K.Maski ,C&M ,Bhopal has given a lecture on the new technique developed by him for detecting poor bonding of inner races on wheels ,biting marks due to press fit on the journal surface ,flaws in the inner and outer fillet areas of wheel seat and gear seat. The techniques which is approved by RDSO also ensures foolproof method for detecting flaws in areas with complex geometry not possible previously by simple probing.

Seminar by Central Board for Workers Education: A Seminar was conducted by Central Board of Workers Education (Ministry of Labour & employment) from dt 22.05.13 to 23.05.13 (two days). In this seminar lectures was given on Group working, industrial health and safety, healthy personal life and housekeeping. Lectures was also imparted on how to lead a simple life individually and socially and also how to maintain good health in working area which would ultimately helps to lead a successful service life.

07. चिकित्सा/MEDICAL

1. Medical department plays a fundamental role to rendering health and welfare services to Railway employees, their family members, dependents and retired railway beneficiaries. This department has upgraded its services with the modern equipments and latest technologies.
2. Super Specialty and Specialty services are being provided to the beneficiaries by Honorary Visiting Specialists in Central Hospital, Jabalpur as well as in Divisional and Sub . Divisional Hospitals. In many fields such as Urology, Nephrology, Surgery and Medicine, the expert doctors and HVS are rendering their services in Zonal Central Hospital at Jabalpur. In the near future, after completion of extension of Central Hospital, it shall become fully functional as a referral hospital of WCR Zone.
3. Medical Department in Headquarter is headed by a CHOD, One SAG and Two SG Officer. There are three sanctioned posts of Gr. B (Jr. Scale) officers out of which two A Ph Os and One AHO & One D.O.(AHO) are working.
4. In WCR zone, the following medical infrastructure exists :

I. Central Hospital, Jabalpur

II. Jabalpur Division:

- 01 Sub . divisional Hospital at New Katni Jn.
- 06 Health Units.
- 01 Lock up dispensary at Pipariya.

III. Bhopal Division:

- 01 Divisional Hospital
- 02 Sub . divisional Hospital at Itarsi and Bina.
- 05 Health Units.

IV. Kota Division:

- 01 Divisional Hospital.
- 02 Sub . Divisional Hospital at Gangapur City.
- 03 Health Units.

5. Sanctioned Strength of Doctors:

Designation	Central Hospital Jabalpur		Jabalpur Division		Bhopal Divn.		Kota Divn.	
	S/S	Vac	S/S	Vac	S/S	Vac	S/S	Vac
Doctors	17	Nil	14	Nil	28	01	27	Nil
HVS	10	-	03	2	10	06	07	03
CMPs working	04		09		08		08	
House Surgeons	03	02	Nil	-	-	-	-	-

(H/C= Honorary Consultant)

6. Certain parameters of medical services of entire zone

(From 01.4.2013 to 31.3.2014)

S.N	Description	Numbers
1.	No. of cases treated in OPD	1109337
2.	No. of cases treated in IPD	20780
3.	Average Length of Stay per patient	4.37 days
4.	Bed Occupancy ratio	69.69%
5.	Diagnostic investigations	459069
6.	No. of CT scan & MRI	1215
7.	HIV tested	5335
8.	No. of confinements in Rly. Hosp.	134
9.	No. of Operations performed (Major- 1095 Minor- 3246 excl. Trivial & Special- 25)	4366
10.	Cataract operations	757
11.	Total No. of Medical examinations/Boards	
	a) Candidates	3906
	b) PMEs	8336
	C) Medical Boards	161
12.	Quality of drugs- Tests conducted	
	a) No. of medicines sent for analysis	177
	b) No. of result received	136
	c) No. of substandard reports	NIL
13.	Family Welfare Work	
	a. No. of sterilizations done (male & female)	120
	i. Vasectomy	09
	ii. Tubectomy	111
	b. No. of IUD insertion	85
14.	Health Activities	
	a. Food Samples	
	(i) Number collected under FSSA	47
	(ii) Collected under Quality Control	2083
	b. Water samples	
	(i) Bacteriological examination	3431
	(ii) Residual Chlorine sample tested	49561
15.	No. of passengers provided Medical Aid during journey/at Station/Yard etc.	3158

7. Machinery & Plant sanctioned during 2013-2014 (list enclosed annexure . I)**8. Works Programme sanctioned during 2013-2014 -Nil****9. Hospitals Recognized in Zone for Referral cases in emergency:****Central Hospital Jabalpur:**

1. Jabalpur Hospital & Research Centre, Jabalpur
2. Jamdar Hospital, Jabalpur
3. City Hospital Research Center, Jabalpur
4. Escorts Fortes Hospital Okhla, New Delhi

Jabalpur Division:

1. MGM Hospital, Katni.

Bhopal Division:

1. Jawaharlal Nehru Cancer Hospital.
2. Bhopal Memorial Hospital & Research Centre.
3. Aradhana Maternity Hospital & Dialysis Centre.

Kota Division:

1. Kota Heart Institute Kota.
2. Sudha Hospital and Research Centre Kota

10. चिकित्सा विभाग में घटित विशेष कार्यकलाप

1. वर्ष 2013-14 के दौरान पश्चिम मध्य रेल के सभी रेल अस्पतालों के बहिरंग विभाग में 1109337 मरीजों एवं अंतरंग विभाग में 20780 मरीजों का उपचार किया गया ।
2. वर्ष 2013-14 के दौरान पश्चिम मध्य रेल के सभी रेल अस्पतालों में विश्व स्वास्थ्य दिवस, विश्व मधुमेह दिवस, विश्व निमोनिया दिवस, विश्व हेपाटाइटिस दिवस, विश्व जनसंख्या दिवस, विश्व एंटी मलेरिया दिवस, विश्व स्तनपान दिवस, विश्व अस्थमा दिवस एवं विश्व तम्बाकू निषेध दिवस इत्यादि मनाये गये ।
3. वर्ष 2013-14 के दौरान पश्चिम मध्य रेल के केन्द्रीय अस्पताल जबलपुर एवं विभिन्न मंडल रेल अस्पतालों में 25 विशेष आपरेशन जिसमें PNCL, Total Shoulder Replacement, Microdiscoideotomy, TLIF with pedicle screw, Topical Phaco Surgery for Cataract, Total Knee Replacement, Total Hip Replacement, ERCP आदि प्रमुख है। इसके अलावा 1095 मेजर आपरेशन एवं 3246 माइनर आपरेशन भी किये गये ।
4. Role of DHEA on infertility, Screening for growth in Children, Male Infertility, Disaster Management, Toxmoplasmosis, Endocrine Up date Waste Disposal, First Aid & Role of Para Medics in Minor Surgical Procedures CPR & OT Preparation for Operation Duty & Responsibility, Health & Family Welfare in Railway Setup, Cold Chain Management and Life Style Disease and Management of Hypertension, Targeted therapy in cancer, आदि विषयों पर सीएमई कार्यक्रम आयोजन किया गया जिसमें चिकित्सा विभाग के अधिकारियों एवं पैरामेडीकल कर्मचारियों ने प्रमुखता से भाग लिया तथा विस्तृत जानकारी प्राप्त की ।
5. वर्ष 2013-14 के दौरान पश्चिम मध्य रेल में कुल 32 स्वास्थ्य परीक्षण शिविरों का आयोजन कर कुल 2338 रेल कर्मचारियों तथा उनके परिवारजनों का स्वास्थ्य परीक्षण किया गया ।
6. दिनांक 13.01.14 को मण्डल रेलवे चिकित्सालय में प्रथम बार डॉ. राजन गुप्ता द्वारा मरीज श्री हवालाल/रिटा. फिटर वर्कशॉप कोटा कि **Combined Trabeculectomy and Phaco emulsification** की गई । इसके अन्तर्गत मरीज को दो बार उस प्रक्रिया से नहीं गुजरना पड़ता, एक ही बार में उसका कालापानी (Glaucoma) एवं मोतियाबिंद (Cataract) का ऑपरेशन सफलतापूर्वक हो जाता है ।

7. वर्ष 2013-14 के दौरान पश्चिम मध्य रेल मे पल्स पोलियो कार्यक्रम के तहत कुल 59117 बच्चों को पोलियो की दवा पिलाई गई ।
8. केन्द्रीय अस्पताल जबलपुर में रेलवे महिला समिति के द्वारा वृहद् स्वास्थ्य जॉच एवं महिला कैंसर स्क्रीनिंग शिविर का आयोजन किया गया ।

(annexure-1)

Machinery & Plant sanctioned during 2013-14

Sr.No.	Discription	Cost ₹ in 000's
1.	Digital Holter Recorder With analyzer	199
2.	Critical Care IUC Ventilator	910
3.	Auto Lansameter	147

8. परिचालन/OPERATING

Coaching performance 2013-14

1. Punctuality

Punctuality of Mail/Express trains is 87.88% for the financial year 2013-14 as compare to 87.15 for the same period of last year i.e. 0.84% above to last year.

Punctuality of Pass. trains is 87.74% for the financial year 2013-14 as compare to 84.88 for the same period of last year i.e. 3.37% above to last year.

2. New Trains

New Train No 12194/12193 JBP-YPR, 19803/19804 KOTA-JAT (Weekly) trains and 18 by-passing new trains have been introduced during financial year 2013-14.

3. Increase in Frequency

WCR owning trains: Train no. 12159/12160 JBP-AMI Exp has been extended up-to All w.e.f. 22.03.2014.

4. Extension

WCR owning trains: Train No 12159/12160 JBP-AMI Exp tri-weekly to Daily w.e.f. 22.03.2014.

5. Augmentation

8 trains have been augmented on permanent basis by total 19 coaches (02 ACCN, 01 GSACZJ, 12 GS & 04 GS) on WCR in financial year 2013-14

6. Extra Coach

3611 coaches attached to clear rush including 169 on FTR in various trains from April to March 14 in comparison to 4167 last year including 160 on FTR.

7. Special Trains on FTR:

103 Spl trains run on FTR in from April to March 14 fetching an earnings of 2495.60 lakh in comparison to 75, fetching an earnings of 1477.36 lakh in the same period of last year which is + 68.92% above to last year.

8. Special Trains:

50 (690 trips) Special trains run from April to March 14 in comparison to 510 trips in the same period of last year i.e. 35.29% above to last year.

Freight performance 2013-14

1. Loading Profile

Cement, Clinker, Fertilizer, Lime stone, Food grains, Iron Ore, POL, Pet Coke and LPG are the main commodities being loaded from WCR.

Jabalpur Division is Loading Cement, Clinker, Lime stone, Food Grains, Iron Ore and other general goods. Cement is loaded from six plants (Birla, JP, Prism, ACC Kymore, KJS Maihar, Maihar cement Sarlanagar) located around Satna area of Jabalpur division, Iron Ore is loaded from Gosalpur, Kachhpura and Dundi, Limestone is loaded from Nanvara, Maihar, Meghgaon, Khanna Banjari, Jukehi and Ametha as Raw Material to Steel Plants .

Bhopal Division is loading Fertilizer from NFL siding, LPG from GAIL siding, both sidings are situated at Vijaypur, POL from Bina refinery, Food Grains from Itarsi, Harda, Timarni, Banapura, Nishatpura, Pachore Road, Vidisha, Biyavra Rajgarh, Shivpuri, Salamatpur, Guna and Mandideep. Containers are loaded from ICD Mandideep.

Kota Division is loading Cement from Lakheri, Dadhdevi and Morak Cement sidings. Fertilizer from Bhonra siding and Food grains from Kota, Bundi, Baran, Mehidpur, Hindauncity and Bharatpur. Containers are loaded from ICD depot at Ravtha Road .

52 Goods Terminals are opened for goods traffic, which include 42 full rake capacity and 10 half rake capacity terminals. Total number of sidings is 57 including 48 full rake and 9 half rake sidings. Almost all the sidings have round the clock working.

2. Unloading

Jabalpur division has 13 major terminals for inward traffic. These are Deori, Katni Murwara, Turki Road, Cement Works sidings, Birla Corp, Satna, Maihar Cement Siding Maihar, Diamond Cement siding Damoh, Keymore siding Nanwara, Prism Cement Ltd, Hinauta Ramban, Kachhpura and Sagma. Inward traffic for these terminals are Coal, RMC and POL etc.

Bhopal Division has 9 major points dealing with Inward traffic namely MBPC, Itarsi, Nishatpura, Mandideep, Vidisha, Asok Nagar, Shivpuri and Guna. POL, Food Grains, Cement Coal and RMC etc. are received at these Goods terminals.

Kota Division is having 8 major points at Dadhdevi, Dhaurmui Jaghina, Kota, Bharatpur, Hindauncity, Baran Chhabra Thermal Power station and Kota Thermal Power House. Coal, and POL are unloaded at these points.

3. Loading Target and Actual Loading during the year 2013-14

1. During the FY year 2013-14 originating freight revenue target was 38.50.
2. During the year 2013-14, 36.63 MT of freight Loading was achieved which is 0.2% higher than 36.57 MT Loaded during 2012-13 and 4.9% below the Target of 38.50MT.

Particulars	Target 2013-14 (In MTs)	Loading (In MTs)		% Variation	
		2012-13	2013-14	TGT	Last Year
Originating Revenue Freight Loading	38.50	36.57	36.63	(-) 4.9	(+) 0.2

ACHIEVEMENTS:

- a) During the FY 2013-14 a percentage increase of 6.9% in Cement, 3.3% in Fertilizer, 6.2% in Iron Ore, 40.8% in Containers and 41.5% in Coal was achieved as compared to 2012-13.

A comparative table showing commodity wise increase in originating Freight Loading for the year 2013-14 over 2012-13 is as under.

SN	Commodity	Loading (In MTs)		% Variation
		12-13	13-14	L/Yr
1	Cement	20.07	21.46	6.9
2	Fertilizer	4.62	4.77	3.3
3	Iron Ore (domestic)	0.49	0.52	6.2
4	Container	0.34	0.48	40.8
5	Coal	0.32	0.45	41.5

- b) Best ever cumulative revenue freight loading of 36.63 MT has been achieved during the financial year 2013-14 surpassing the previous best ever of 36.57 MT achieved in 2012-13. A percentage increase of 0.2% was achieved over 2012-13.
- c) During the month of March 14, best ever loading of 3.65 MT has been achieved, surpassing the previous best ever of 3.64 MT achieved during Mar 13.
- d) During the FY 2013-2014, revenue freight earning of ₹ 3352.18 crores has been achieved which is 3.1 % more than ₹ 3250.83 crores recorded in the FY 2012-2013.
- e) New siding for M/s. Shree Singaji Thermal Power Project (M/s MPGENCO) at BIR has been commissioned on 02.07.2013 of BPL division.
- f) M/s RRVUNL's TPS siding at Jhalawar City (Section . Ramganj Mandi - Bhopal) has been commissioned on 26.02.2014 of Kota division.
- g) Following works has been completed during FY 2013-14:

A. 3rd Line:

S.N.	Name of Work	Division	Section	Date of Commission
1	3rd line between PAI-BAQ-BET section (19.580 kms)	BPL	Bina-BPL	06.07.2013

B. Laying of additional line:

SN	Station	Division	Section	Date of Commission
1	Chhateni	JBP	KTE-SGRL	31.07.13
2	Vijaysota	JBP	KTE-SGRL	27.09.13
3	Marwasgram	JBP	KTE-SGRL	01.02.14
4	Niwas Road	JBP	KTE-SGRL	27.03.14

C. Construction of additional platform:

SN	Station	Division	Section	Date of Commission
1	Bhopal stn (PF No. 6 -527 mts)	BPL	Itarsi- BINA	09.09.13

D. Panel Interlocking commissioned:

SN	Station	Division	Section	Date of Commission
1	Pabai	BPL	BPL-BINA	19.06.2013
2	Ganjbasoda	BPL	BPL-BINA	27.06.2013
3	Bareth	BPL	BPL-BINA	06.07.2013
4	Chhateni	JBP	KTE-SGRL	21.07.2013
5	Vijaysota	JBP	KTE-SGRL	27.09.2013
6	Marwasgram	JBP	KTE-SGRL	01.03.2014
7	Niwas Road	JBP	KTE-SGRL	27.03.2014
8	BIR	BPL	KNW-ET	19.02.2014

E. IBS commissioned:

S.No	IBS	Division	Section	Date of Commission
1	Ranthambhor-Mokholi	KOTA	KOTA-MTJ	26.06.2013
2	Lalpurumari - Narayanpur Tatwara	KOTA	KOTA-MTJ	16.08.2013
3	Mokholi - Malarna	KOTA	KOTA-MTJ	11.12.2013
4	Nimoda - Narayanpur Tatwara	KOTA	KOTA-MTJ	30.01.2014

9. कार्मिक / PERSONNEL

Sr.No.	DESCRIPTION	Performance 2013-14
MAN POWER PLANNING		
1	SANCTIONED STRENGTH	
a	Sanctioned Strength as on 1st April-13	67,181
b	Sanctioned strength as on 31st March-14	67,276
c	Percentage increase or reduction during the period	-0.14%
2	OPERATED STRENGTH	
a	Operated strength as on 1st April-13	56,933
b	Operated strength as on 31st March-14	56,944
c	Percentage increase or reduction during the period	-0.02%
ESTABLISHMENT MATTERS		
3	COMPASSIONATE APPOINTMENTS	
a	Number of cases pending as on 1st April-13	64
b	Fresh accrual during the period	541
c	Cases finalized during the period	504
d	Number of cases pending as on 31st March-14	101
e	Percentage finalization during the period	93.16%
4	SETTLEMENT CASES	
a	Number of cases pending as on 1st April-13	153
b	Fresh accrual during the period	2,935
c	Cases finalized during the period	2,992
d	Number of cases pending as on 31st March-14	96
e	Percentage finalisation during the period	100.00 %
5	SURPLUS STAFF	
a	Number of cases pending as on 1st April-13	0
b	Fresh accrual during the period	164
c	Cases finalized during the period	164
d	Number of cases pending as on 31st March-14	0
e	Percentage absorption during the period	100.00%
6	VACANCIES IN SAFETY CATEGORIES	
a	Number of cases pending as on 1st April-13	7,979
b	Fresh accrual during the period	1,451
c	Vacancies filled in during the period	2,800
d	Number of cases pending as on 31st March-14	6,630
e	Percentage vacancies filled in during the period	100.00%
7	DISPOSALS OF MP/MLA CASES REFERENCE FORWARDED BY BOARD	
a	Number of cases pending as on 1st April-13	48

Sr.No.	DESCRIPTION	Performance 2013-14
b	Fresh accrual during the period	418
c	Cases finalized during the period	412
d	Number of cases pending as on 31st March-14	54
e	Percentage Finalisation during the period	98.56%
8	CAT/COURT CASES	
A	Percentage of CAT/Court cases finalized	
a	Number of CAT/Court Cases pending at the beginning of the 1st April-13	1,062
b	Accrual during the period	397
c	Cases finalised during the period	345
d	Number of Cases pending as on 31st March-14	1,114
e	Percentage cases finalised during the period	86.90%
B	Percentage of CAT/Court cases decided in favour of Railways	
a	Cases finalized during the period	416
b	Total Cases decided in favour of Railway	388
c	Percentage of cases decided in favour of Railway	93.27%
9	INDUSTRIAL RELATIONS	
A	Zonal Level	
a	Number of items pending as on 1st April-13	297
b	No. of items tabled during the period	210
c	No. of items discussed and finalized during the period	227
d	Number of items pending as on 31st March-14	280
e	Percentage finalization during the period	100.00%
B	Divisional and Workshop level	
a	Number of items pending as on 1st April-13	769
b	No. of items tabled during the period	1,196
c	No. of items discussed and finalized during the period	1,187
d	Number of items pending as on 31st March-14	778
e	Percentage finalization during the period	99.25%

WELFARE ACTIVITIES AT A GLANCE DURING THE YEAR 2013-14

Description of Welfare activities which are going on in West Central Railway are as follows:-

1. In the field of Education

Rly Schools run by West Central Railway- three Higher Secondary Schools at New Katni Junction, New Yard Itarsi and Gangapur city. Two High schools at Loco Taliya Jabalpur and Near Rly Stadium Kota, Three Primary schools are running at WRS/Kota, Satna and 12 Bungalow Itarsi. About 103 Railway school teachers are teaching 2988 students.

Schools activities- In the month of May, every year Summer camps are organized in the schools, classes are held in which curricular activities like dance, yoga, spoken English, vocal music, calligraphy are taught. All schools arrange competitions and sports activities; educational tours for the teachers and children in summer vacations. Training is carried out for games and sports, hobby development, environmental and health awareness, cultural activities, programme for improvement in handwriting and reading habits besides which lectures by local experts on disaster management, water harvesting and conservation of environment are also organised. All the schools publish their magazines/bulletins annually. Annual day sports are organized by all the schools. Schools also participate in CBSE's cluster and zonal tournaments. Scout and guide is a beautiful feather to the crown of Rly School, Itarsi.

The National festivals are celebrated with great enthusiasm in all schools by organizing functions. Plantation of trees in the school premises has been done.

Scholarships for Technical/Medical Education- Children and dependent Brother/Sisters of Railway employees who are getting educated in the field of Technical/Non-tech Education are being awarded scholarships from the Staff Benefit Fund committee. Scholarship is also awarded to eligible students who acquire degree and complete training in Diploma courses, and also for Technical Education conducted by the recognised institutes/Universities. The scholarships are awarded giving priority to the Group 'D'+staff and SC & ST candidates for the courses prescribed by Board, subject to availability of funds. In the year 2012-13 an amount of ₹2401560/- has been distributed for Technical/Medical Education & for the higher education of girls and male child of Group 'D' employees.

2. Railway Institutes and Clubs

24 Railway Institutes and 07 Recreation Officers Clubs are functioning on this Railway at different stations where there is a large concentration of Staff /Officers. SBF grant is paid to these Institutes and Recreation clubs for providing recreational activities to the employees. These Institutes and Recreation clubs are functioning quite satisfactorily.

(i) Officers Club

Name and location of officer's Club	Member-ship
Satpura Club, Railway Station, Jabalpur	280
Simraul Club, New Katni Junction.	24
Officers' Club Habibganj	93
Officers' Club New Yard Itarsi	24
Sanchi Officers' Club, CRWS Complex, Nishatpura, Bhopal	21
Officers' Club, Kota	90
Officers' Club, Tuglakabad	06
Total	538

(ii) Railway Institutes

S.N.	Division	Name and location of Railway Institutes	Member-ship
1	Jabalpur	Sr. Railway Institute, Jabalpur	180
2		Jr. Railway Institute, Jabalpur	150
3		Railway Institute, New Katni Jn.	987
4		Railway Institute, Satna	250
5		Railway Institute, Damoh.	62
6		Railway Institute, Beohari	39

7		Railway Institute, Katni	21
8	Bhopal	Sr. Railway Institute, New Yard, Itarsi	121
9		Jr. Railway Institute , New Yard, Itarsi	450
10		Railway Institute, 12 Bungalow, Itarsi	229
11		Railway Institute, Bhopal.	1413
12		Railway Institute, Bina	309
13		Railway Institute, Guna	400
14		Railway Institute, Harda	119
15		Railway Institute, Vidisha	536
16	CRWS/BPL	Rly Institute, CRWS colony, Nishatpura, Bhopal	873
17	Kota	Sr. Railway Institute ,Kota	369
18		Sr. Railway Institute, GangapurCity	200
19		Jr. Railway Institute ,GangapurCity	130
20		Railway Institute, Bundi	110
21		Railway Institute, Bharatpur	130
22		Railway Institute, Shayamgarh	75
23		Railway Institute, Tuglakabad	350
24		Railway Institute, Sawai Madhopur	77
		Total	7580

3. Social Welfare Centre

Handicraft centers and Welfare centers are functioning on this Railway in order to provide opportunity to Railway employees and their family members who can utilize their spare time usefully and in a profitable manner. The activities of these centers relate mainly to stitching of various garments/uniforms of Railway employees. There are 09 Handicraft Centers on this Railway, functioning in different Divisions & Workshops.

S.No	Division	Name and location	Member-ship
1	Jabalpur	Social Welfare Centre,Bajrang Colony, Jabalpur	415
2		Social Welfare Centre,Adarsh Colony,Jabalpur	105
3		Social Welfare Centre,Subash Colony,Jabalpur	160
4		Social Welfare Centre, New Katni Jn.	906
5		Social Welfare Centre, Sagar	10
6		Social Welfare Centre, Satna	302
7	Bhopal	Social Welfare Centre, Itarsi	125
8		Social Welfare Centre, Bina	112
9	Kota	Handicraft Centre, Kota	71
	Total	09	2206

4. Community Halls

The following Community halls are available on this Railway for celebrating marriage ceremonies/ functions etc. of Railway staff and their family. Proposals have been routed by the divisions for new Community Halls at Katni, Gangapurcity & Sagar, works have been sent for inclusion in Works programme.

Division	Community Hall
Jabalpur	Rly. Community Hall, Jabalpur
	Rly. Community Hall, NKJ
	Utsav Community Hall, Jabalpur
	Ullas Community Hall, Jabalpur
Bhopal	Vandana Community Hall, Itarsi
	Rly. Community Hall Habibganj
Kota	Rly. Community Hall, Kota

5. Holiday Homes

On this Railway, there is only one Holiday Home at Pachmarhi which is a Hill station, situated at a distance of 54 Kms from Pipariya Railway station, the bus services to and from Piparia to Pachmarhi are regular. This holiday spot is famous for its beautiful natural sceneries & beautiful waterfalls. The best period to visit this Holiday Home is from September to March. The allotment of this Holiday Home is done by APO (Welfare) Jabalpur Division. (Rly Phone no: 55706)

Division	Holiday Home
Jabalpur	Pachmarhi
Newly constructed	Maihar

6. Canteens

A total number of 04 Statutory and 04 Non . Statutory Canteens are functioning on No profit -No loss+basis over West Central Railway, for the benefit of staff.

Division/Workshop	Canteen
Workshop KTT	Statutory
CRWS W/S BPL	Statutory
DRM Office JBP	Non . Statutory
New Yard Katni	Non . Statutory
DRM Office BPL	All Contract Basis
DRM Office KTT	Non . Statutory
NKJ Diesel Shed, JBP	Non . Statutory
HQ office, JBP	On Contract Basis

7. Subsidised Hostels

There is only one Subsidized Hostel on this Railway, which is situated at Railway Upper Line Colony, Jabalpur where the accommodation is for 28 students.

8. Creches

In year 2010, Railway Minister, Sushri Mamta Baneerji issued for opening of crèches for Rly Working women non school going children. One crèche was already functioning at Jabalpur, which is running for non-going children of Rly Working Women. An amount of ₹300000/- was paid to the Crèche for maintenance etc.

9. Cultural Activities

For promotion and encouragement to cultural activities amongst the employees and their families, Cultural Academy is functioning at Headquarter and Division/Workshops and has spent over ₹ 7,08,907/-. In Inter-Division Cultural Competitions an amount of ₹ 10,00,00/-has been spent this year. The cultural team of WCR won the second prize in the Inter Railway Cultural Competition. The classical vocal singers bagged all 03 awards in the Inter Railway Classical Singing competition arranged at Hyderabad.

10. Central Staff Benefit Fund

The Management Committee of the Staff Benefit Fund plan various Schemes and allot funds to cover the following activities based on the per capita contribution. For better and efficient utilization and administration of the funds, Sub- Committees have also been constituted at Division and Workshops levels. Funds are allotted to these Sub-Committees as per their requirement and the activities are as decided by the SBF Committee of Headquarters level.

(i) Cash Prize

To encourage meritorious student studying in Arts, Commerce, and Science Graduation courses cash prize of ₹1000/- was awarded to each of the student securing 60% or above marks in the final exam of BA/B.Com/B.Sc.

(ii) Grant to Social Welfare Centres

The Headquarters SBF Committee sanctions funds for maintenance of the centers. Financial aid of ₹25/- per member is being given to these Handicraft Centre and Welfare Centers from SBF.

(iii) Railway Institutes and Clubs

The SBF Committee sanctioned funds for maintenance of these Railway Institutes and Clubs based on the membership. Financial aid of ₹10/-per members is being given to these Institutes from SBF.

(iv) Relief of Distress and Sickness

An amount of approximately ₹71,17,500/- against the per Capita allotment of ₹4,97,708/- has been disbursed as under:

(a) Maintenance Grant :

Financial assistance to provided relief towards maintenance grant to the non Gazetted Railway Employees who are on leave without pay due to Sickness like T.B./Leprosy/Cancer/ HIV+ve are sanctioned ₹4000/- P.M. and for other disease ₹ 2000/- P.M. irrespective of basic pay. An amount of ₹35,0000/- was distributed to the divisions and the workshops under this head.

(b) Reimbursement of cost of spectacles:

To help Group D employees who are required to use spectacles for carrying out their duties, a grant of ₹ 500/- or actual cost which ever is less is admissible. This is granted to an employee once in five years, whose Grade pay is less than ₹2800/-. This scheme is controlled by Divisional /workshop/ Headquarters Staff Benefit Fund Committee.

(c) Reimbursement of cost of Dentures:

Re-imbursement in respect of the cost of denture is granted to an employee once in a service. This scheme is controlled by Divisional/ workshop/Headquarter Staff Benefit Fund Committee. Amount is paid as under :-

Half Set	: ₹1000/-
Full Set	: ₹2000/-

(d) Financial Assistance to the children of Railway Employees for Deaf, Dumb, Blind and Mentally challenged:

Financial Assistance is granted to the Railway employees in respect of deaf, dumb, blind and mentally challenged children at the rate of ₹2000/-per child per annum.

(e) Aid to Families of Deceased Employees:

In case of premature death of an employee, a token grant of ₹5000/- is given to the family member until the child gets an appointment on compassionate ground or finishes schooling which ever is earlier. An amount 4,00,000/- has been disbursed in this head during the year.

(f) New Papers Magazines to Indoor Patients:

For entertainment of indoor patients admitted in Railway Hospitals, news papers/Magazines are being supplied to them. An amount of ₹5000/- has been disbursed in this head during the year.

(g) Distress Fund:

For funeral rites of the dead Railway employees/dependent wherever necessary, an amount of ₹2000/- can be spent by the CMS/MS railway Hospital. An amount of ₹500,000/- has been allotted on this account in this year. CSBF has started distributing ₹5000/- to family members of Group D Railway person, who die due to accident or otherwise, this amount is given as help to the families of the deceased. This amount is not recoverable from the settlement dues.

(v) Women empowerment:

W.C. Railway has planned for the benefit of working women employees for their higher education & for working knowledge. Camps for the working Women employees have been arranged by the divisions to places of natural beauty and Hill stations where they have been educated on rules and regulations of Railways & their work place. An amount of ₹50,000/- each has been allotted to HQ, and the Workshop at Bhopal and Kota, ₹1,00,000/- each to the divisions to spend for the empowerment of women.

(vi) Homeopathic/Ayurvedic Dispensaries: There are 09 Homeopathic & 01 Ayurvedic dispensaries functioning on this Railway on part time basis. These dispensaries are remain open every day from 9.30 to 13 Hrs and 16 Hrs to 19 Hrs. in the evening except on Sunday. Part time Doctors are engaged to maintain the dispensaries. ₹6,000/- is paid to each dispensary for purchasing medicines. An amount of ₹25,63,200/- has been disbursed to the divisions for Medical aid and doctors.

Following Hospitals are functioning on this Railway:

SN	Divn	Dispensary	Location	Name of Doctor & Qualification	Honorarium paid per month ₹
1	JBP	Homeopathic	DRM Office, JBP	Dr. Alkesh Kumar Khatri MA/DHMS	21000/-
		Homeopathic	Adarsh Colony, JBP	Dr. Alkesh Kumar Khatri MA/DHMS	
		Homeopathic	Rly Hospital, NKJ	Dr. Ram Sagar Pandit	12,600/-
2	BPL	Homeopathic	DRM office, HBJ	Dr. Prem Swaroop Shrivatava DHMS	21000/-
		Homeopathic	West Rly Colony, BPL	Dr. Prem Swaroop Shrivatava DHMS	
		Homeopathic	East Rly Colony Bina	Dr. Smt. Sangita Jain DHMS	21000/-
		Homeopathic	Yard Itarsi	Dr. Abhishek Soni DHMS	12600/-
3	KOTA	Homeopathic	Rly Hospital, Kota	Dr R.N. Bharadwaj DHMS	21000/-
		Ayurvedic	Rly Hospital, Kota	Dr. Ashok Sharma BASMS	21000/-
		Homeopathic	Rly Hospital GGC	Dr. Manav Jain DHMS	21000/-

S.N	Division	Hospitals	Health Unit
1	JBP	Central Hospital Jabalpur	New Katni Junction
		Katni	Narsingpur
			Satna
			Saugor
			Piparia
			Beohari
			Damoh
2	BPL	Bhopal	Guna
		Bina	Harda
		Itarsi	Shahjapur
3	KOTA	Kota	Bayana
		Gangapurcity	Bara
			Bundi
			Bharatpur
			Sawaimadhopur
			Shyamgarh
			Tuglakabad

(Vii) Holiday Camps :

Every year, SBF provides funds for conducting Holiday Camps for the children of non-gazetted staff belonging to Group C & D Railway employees at Zonal level as well as Division/Workshop level separately, for which an amount of ₹2,50,000/- is allotted for each camp. The expenditure incurred under this scheme during the year came to about ₹14,00,000/- .

During the year 2013-14, West Central Railway conducted holiday camps for the benefit of Railway employees and their children during the summer vacations. The details of the camps conducted by Headquarters Office/Divisions/Workshops are as follows:

SN	Hdquarters/ Divisions	Particulars of the Camp
1	Headquarters	Conducted Children Camp to Shimla, Manali
2	Jabalpur	Conducted Children Camp to Shimla Conducted Women Employee Camp to Somnath.
3	Bhopal	Conducted Children Camp to Dargiling
4	Kota	Conducted Children Camp to Dehradun/ Mussorie Conducted Employees Camp to Mahableshwar & Goa

11. Women's Welfare Organisation:

There are following women's organisations functioning on this Railway:

(i) Women's Welfare Organisation/HeadQuarter

This Organisation is functioning for welfare of Railway employees and their families, through various welfare projects in the spheres of education, Medical Assistance, Vocational training, Assistance to the physically and mentally challenged children, Cultural field etc. This Organisation is running a Jagrati Centre for rehabilitation of destitute children living on the platforms. The aim of this project is to bring these children to the

main stream of the society. This Organisation gives financial assistance to maximum 05 daughters of class- IV Railway employees by giving them training of Nursing Assistance course, and scholarship to two meritorious children. Health awareness camps were also conducted by this organisation. Drawing and painting competition/Essay competition are held for the children of Rly employees in the age group of 6-9, 9-12, and 12-15 years respectively. Drawings of the Winners of this competition are sent to Rly Board.

(ii) Women's Welfare Organisation - JBP Division:

This committee is running a centre for mentally retarded and physically handicapped children. The centre has been fully equipped with teaching aid. One English Medium school up to class Xth recognised by the M.P. State Education Board is being run by WWO in various other activities/programmes are also organised by WWO from time to time.

(iii) Women's Welfare Organisation - BPL Division:

WWO/HBJ is running crèche at Rly. Colony HBJ for the benefit of staff working in the divisional office. Also drawing competition for the mentally challenged wards of the railway employees are organised on 15th August every year at Bhopal, Bina and Itarsi. A Snack shop and STD/PCO booth at Railway Hospital NSZ, purified water 1/-per litre and chilled drinking water ₹10/- per litre is supplied in Shane Bhopal Express for benefit of passengers. WWO has organised so many of 15 and 30 days course i.e. Beauty parlour, Jewellery making, Mehendi, fabric painting etc to the wife & daughter of Railway employees.

(iv) Women's Welfare Organisation– KOTA Division:

WWO/KTT is running a Kendra for women where stitching is taught, 6 monthly beautician courses are given to wives of railway employees. Drawing and Painting competitions are organized for the children of Railway employees. On 15th August one time scholarship is distributed to meritorious children of 8th 10th and 12th standard. On regular basis fruits are supplied by WWO to patients admitted in railway Hospital at Kota.

10. जनसम्पर्क/PUBLIC RELATION

वर्ष 2013-14 में जनसम्पर्क विभाग द्वारा किये गये कार्य:

पश्चिम मध्य रेल में आयोजित होने वाले निम्न कार्यक्रमों में जनसम्पर्क विभाग द्वारा प्रिंट मीडिया एवं इलेक्ट्रॉनिक मीडिया के प्रतिनिधियों को आमंत्रित कर एवं प्रेस विज्ञप्ति के माध्यम से कवरेज कराया गया।

SN	Date	Important Events
01	08-04-2013	राजभाषा विभाग द्वारा पुरस्कार वितरण।
02	10.04.2013	केन्द्रीय चिकित्सालय में कैंसर स्क्रीनिंग शिविर का आयोजन किया गया।
03	12.04.2013	रेल सप्ताह के दौरान महाप्रबंधक पुरस्कार कार्यक्रम का उल्लास सामुदायिक भवन में आयोजन।
04	15.04.2013	महाप्रबंधक कार्यालय में डा0 भीमराव अम्बेडकर का जन्म दिवस कार्यक्रम का आयोजन।
05	21-05-2013	महाप्रबंधक महोदय द्वारा आतंकवाद विरोध दिवस पर शपथ समारोह का आयोजन किया गया।
06	07-06-2013	महाप्रबंधक महोदय द्वारा वर्क रिव्यू मीटिंग की बैठक ली।
07	27-06-2013	महाप्रबंधक कार्यालय में पी.एन.एम. बैठक का आयोजन किया गया।
08	12-07-2013	महाप्रबंधक महोदय के साथ स्काउट एंड गाईड की बैठक सम्पन्न हुई।
09	16-07-2013	महाप्रबंधक महोदय एवं सीसीएम के द्वारा वाणिज्य विभाग द्वारा संकलित पुस्तक का विमोचन।
10	24-07-2013	महाप्रबंधक कार्यालय में पी.एन.एम. बैठक का आयोजन किया गया।
11	01-08-2013	संरक्षा विभाग द्वारा पुस्तक का विमोचन किया गया।
12	02-08-2013	जबलपुर चिकित्सालय में स्वास्थ्य से संबंधित शिविर का आयोजन किया गया।
13	05-08-2013	वित्त विभाग द्वारा पुस्तक का विमोचन किया गया।
14	06-08-2013	सीआरबी द्वारा भोपाल मंडल के निरीक्षण का दौरा फोटोग्राफी किया गया।
15	15-08-2013	रेलवे स्टेडियम में स्वतंत्रता दिवस समारोह का आयोजन किया गया।
16	20-08-2013	महाप्रबंधक कार्यालय में सद्भावना दिवस का कार्यक्रम किया गया।
17	22-08-2013	राजभाषा विभाग द्वारा पुस्तक का विमोचन किया गया।
18	21-09-2013	रेल सुरक्षा बल का 29वां स्थापना दिवस कार्यक्रम का आयोजन किया गया।
19	28-10-2013	सर्तकता चेतना सप्ताह के शपथ समारोह एवं बैठक का आयोजन किया गया।
20	01-11-2013	हबीबगंज स्टेशन को वर्ल्ड क्लास स्तर प्रदान करने हेतु बोर्ड अधिकारियों के साथ बैठक।
21	19-11-2013	स्काउट एंड गाईड के रोवर रेन्जर समागम का आयोजन किया गया।
22	19-11-2013	कौमी एकता सप्ताह समारोह का आयोजन किया गया।
23	30-11-2013	संस्कार मैत्री कार्यक्रम का आयोजन किया गया।
24	06-12-2013	डा0 बाबा साहब भीम राव अम्बेडकर का महापरिनिर्वाण दिवस का आयोजन किया गया।
25	26-01-2014	गणतंत्र दिवस समारोह के आयोजन किया गया।
26	01-03-2014	रेलमंत्री द्वारा खिलचीपुर में दोहरी रेल लाईन का उद्घाटन किया गया।
27	18-03-2014	संरक्षा विभाग द्वारा संरक्षा से संबंधित पुस्तक का विमोचन किया गया।
28	24-03-2014	सर्तकता विभाग द्वारा पुस्तक का विमोचन किया गया।
29	25-03-2014	महाप्रबंधक कार्यालय में समन्वय समिति की बैठक का आयोजन किया गया।
30	28-03-2014	केन्द्रीय चिकित्सालय में विश्व टी.वी. दिवस पर सेमिनार का आयोजन किया गया।

11. राजभाषा / RAJBHASHA

राजभाषा का प्रगामी प्रयोग

पश्चिम मध्य रेलवे भारत सरकार की राजभाषा नीति के प्रभावी कार्यान्वयन और राजभाषा हिंदी के प्रयोग-प्रसार की दिशा में निरंतर सक्रिय है. वर्ष 2013-2014 के दौरान राजभाषा हिंदी के प्रगामी प्रयोग हेतु किए गए प्रयास तथा उपलब्धियों का संक्षिप्त विवरण इस प्रकार है:-

1. राजभाषा अधिनियम की धारा 3(3) का अनुपालन:-
अधिकारियों एवं कर्मचारियों को धारा 3(3) के अनुपालन के प्रति जागरूकता प्रदान कर, उन्हें समय-समय पर धारा 3(3) संबंधी दस्तावेजों की सूची उपलब्ध कराकर राजभाषा अधिनियम की धारा 3(3) का शत-प्रतिशत अनुपालन सुनिश्चित किया गया।
2. मूल पत्राचार:-
पश्चिम मध्य रेल द्वारा 98.88 प्रतिशत मूल पत्राचार हिंदी में किया गया, इसे शत-प्रतिशत करने के प्रयास जारी हैं।
3. हिंदी पत्रों के उत्तर:-
हिंदी में प्राप्त पत्रों के उत्तर नियमानुसार शत-प्रतिशत हिंदी में दिए गए, इसके अलावा 'क' एवं 'ख' क्षेत्रों के कार्यालयों से प्राप्त अंग्रेजी पत्रों के उत्तर भी हिंदी में दिए जा रहे हैं।
4. कंप्यूटरों का द्विभाषीकरण:-
पश्चिम मध्य रेलवे पर उपलब्ध सभी 1859 कंप्यूटरों पर हिंदी में कार्य करने की सुविधा उपलब्ध है, अधिकारी एवं कर्मचारी कंप्यूटरों पर अपना अधिकाधिक दैनिक सरकारी कामकाज हिंदी में करते हैं।
5. अनुवाद कार्य:-
राजभाषा विभाग द्वारा वर्ष के दौरान इंजीनियरिंग विभाग की विभिन्न निरीक्षण पुस्तिका, संशोधित स्टेशन संचालन नियम, विभिन्न निविदाएं, फाटक संचालन अनुदेश, प्रेस विज्ञापित, संसदीय समितियों के आगमन पर विवरण पत्रक और धारा 3(3) के अंतर्गत आने वाले विभिन्न पत्र-परिपत्रों आदि का तत्परतापूर्वक अनुवाद कराकर संबंधित कार्यालयों को उपलब्ध कराया गया।
6. हिंदी कार्यशालाओं का आयोजन:-
कर्मचारियों द्वारा सरकारी कामकाज मूल रूप से हिंदी में करने के लिए उन्हें प्रशिक्षण देने के उद्देश्य से वर्ष के दौरान मुख्यालय/मंडलों/कारखानों में 22 कार्यशालाएं चलाई गईं जिनमें 745 कर्मचारियों को प्रशिक्षित किया गया।
7. हिंदी कुंजीयन प्रशिक्षण:-
कर्मचारियों द्वारा सरकारी कामकाज कंप्यूटर पर मूल रूप से हिंदी में करने के लिए वर्ष के दौरान 27 कर्मचारियों को हिंदी कुंजीयन प्रशिक्षण प्रदान किया गया।
8. अभिप्रेरण (मोटिवेशन):-
पश्चिम मध्य रेलवे के मुख्यालय एवं सभी मंडलों/कारखानों में राजभाषा विभाग द्वारा अधिकारियों एवं कर्मचारियों में राजभाषा हिंदी के प्रयोग को बढ़ाने के लिए नियमित अभिप्रेरण का कार्यक्रम चलाया गया। इस कार्यक्रम के अंतर्गत राजभाषा विभाग के कर्मचारी विभिन्न विभागों में जा कर अन्य कर्मचारियों की राजभाषा संबंधी कठिनाईयों को दूर कर उन्हें राजभाषा के प्रयोग के प्रति अभिप्रेरित करते हैं।

9. राजभाषा कार्यान्वयन समितियों की बैठकें:-
पश्चिम मध्य रेलवे के मुख्यालय, मंडलों तथा कारखानों में गठित राजभाषा कार्यान्वयन समितियों की बैठकों का नियमित रूप से आयोजन किया गया।
10. हिंदी पुस्तकालयों एवं वाचनालयों का संचालन:-
पश्चिम मध्य रेलवे पर कुल 50 हिंदी पुस्तकालय एवं 41 वाचनालय हैं। अधिकारियों एवं कर्मचारियों द्वारा इन पुस्तकालयों एवं वाचनालयों का भरपूर उपयोग किया जाता है।
11. पत्रिकाओं का प्रकाशन:-
पश्चिम मध्य रेलवे के मुख्यालय एवं सभी मंडलों/कारखानों में रेल अधिकारियों एवं कर्मचारियों तथा उनके परिजनों की साहित्यिक सृजनशीलता को बढ़ावा देने के लिए एवं अपनी रेलवे की उपलब्धियों व गतिविधियों को प्रत्येक कर्मचारियों तक पहुंचाने के उद्देश्य से 'राजभाषा सरिता', 'डीजल संवाद', 'मंडल संवाद', 'प्रगति पथ', 'चंबल वाणी', प्रयास आदि पत्रिकाओं का प्रकाशन किया गया। साथ ही कई अन्य विभागीय पत्रिकाओं जैसे, संरक्षा दर्शन, सतर्कता बुलेटिन आदि का भी प्रकाशन नियमित रूप से होता है।
12. राजभाषा सप्ताह/पखवाड़ा समारोहों का आयोजन:-
राजभाषा विभाग द्वारा मुख्यालय तथा मंडल/कारखाना मुख्यालय सहित अन्य महत्वपूर्ण स्टेशनों पर हिन्दी दिवस, राजभाषा सप्ताह/पखवाड़े का आयोजन किया गया। इन समारोहों के दौरान विविध प्रतियोगिताएं, राजभाषा प्रदर्शनी एवं सांस्कृतिक कार्यक्रम भी आयोजित किए गए तथा राजभाषा हिंदी में सराहनीय कार्य करने वाले अधिकारियों एवं कर्मचारियों को पुरस्कृत किया गया।
13. तकनीकी गोष्ठियों का आयोजन:-
पश्चिम मध्य रेलवे पर कुल 93 तकनीकी गोष्ठियों का आयोजन किया गया जिनकी समस्त कार्यवाही हिंदी में संपन्न की गई।
14. अधिकारियों द्वारा हिंदी में डिक्टेशन:-
पश्चिम मध्य रेलवे के अधिकारियों द्वारा वर्ष के दौरान 74.96 प्रतिशत डिक्टेशन हिंदी में दिए गए।
15. अधिकारियों/कर्मचारियों द्वारा हिंदी में नोटिंग:-
इस रेल पर अधिकारियों तथा कर्मचारियों द्वारा 94.42 प्रतिशत नोटिंग हिंदी में की गई।
16. हिंदी भाषा का प्रशिक्षण:-
इस रेल पर कुल 568 अधिकारियों में से 567 अधिकारियों हिंदी में प्रवीणता प्राप्त है तथा शेष 01 को कार्यसाधक ज्ञान प्राप्त है, कुल 46996 कर्मचारियों में 46881 कर्मचारी प्रवीण हैं तथा शेष 115 को कार्यसाधक ज्ञान प्राप्त है, 'क' क्षेत्र में स्थित होने के कारण यहां के अधिकारी एवं कर्मचारी अपना अधिकांश कार्य हिंदी में करते हैं।
17. हिंदी आशुलिपिक एवं टाइपिंग प्रशिक्षण:-
इस रेल पर कुल 166 आशुलिपिक तथा 423 टाइपिस्ट कार्यरत हैं। सभी टाइपिस्टों को हिंदी टाइपिंग का प्रशिक्षण दिया जा चुका है जबकि हिंदी आशुलिपि प्रशिक्षण के लिए 04 अंग्रेजी आशुलिपिक शेष हैं, इनके प्रशिक्षण की व्यवस्था की जा रही है।
18. राजभाषा प्रोत्साहन योजनाओं का कार्यान्वयन:-
इस रेल पर गृह मंत्रालय राजभाषा विभाग तथा रेलवे बोर्ड की सभी प्रोत्साहन योजनाएं लागू की गई हैं।



19. अखिल रेल हिंदी नाट्योत्सव में पश्चिम मध्य रेल की प्रस्तुति बड़े भाई साहब ने प्रथम स्थान प्राप्त कर पश्चिम मध्य रेल का गौरव बढ़ाया। इस नाटक ने सर्वश्रेष्ठ अभिनेता एवं सर्वश्रेष्ठ निर्देशक का पुरस्कार भी प्राप्त किया रेलवे बोर्ड ने उक्त नाटक को पूर्ण बोर्ड के समक्ष प्रस्तुति देने हेतु आमंत्रित किया, जिसकी सराहना उपस्थित सदस्यों द्वारा की गई और इस प्रस्तुती के लिए पचास हजार का पुरस्कार प्रदान किया गया।

इस प्रकार पश्चिम मध्य रेल राजभाषा प्रयोग-प्रसार हेतु सतत् प्रयत्नशील है।

12. संरक्षा / SAFETY

1.0 Safety Organization of WCR

Railway Safety Review committee while reviewing the efficacy of the existing Safety Organization on the railways had recommended that the safety department should be made broad based and suitable officers from Traffic, Civil Engineering, Mechanical, Signaling & Electrical departments should be posted as safety officers at all levels. In pursuance, of the implementation of the above the following organization has been set up in the safety department of WCR.

Chief Safety Officer consent is being taken before posting / transfer from or to the safety department for both gazetted and non gazetted cadres. Safety Counsellors of Traffic, Civil Engineering, Mechanical, Signaling & Electrical departments are posted at HQ to assist in day to day working of safety department.

1.1 Gazetted officers at HQ:-

Apart from the Chief Safety Officer Shri B.K.Gupta, who is from the engineering branch the following officers are presently posted in the safety department.

S.N.	Designation	Present incumbent
1.	Dy. CSO (Elect.)	Shri S. K. Agarwal
2.	STM (Safety)	Shri A. K. Khare
3.	SSTE(Safety)	Shri A.P.Singh
4.	SEN (Safety)	Shri S. B. Sharma
5.	SME (Safety)	Shri Rajendra Chaturvedi

1.2 Gazetted officers at divisions: - At present following officers are working as Sr. Divisional Safety Officers on JBP, BPL and Kota division.

- | | | | |
|-------|-----------------|---------------|---------------|
| (i) | Shri L L Meena, | Sr.DSO / JBP | (Electrical) |
| (ii) | Shri B S Meena, | Sr.DSO / BPL | (Engineering) |
| (iii) | Shri B S Verma, | Sr.DSO / Kota | (Traffic) |

Apart from Sr.DSO one ADSO is posted in each division. Each Sr.DSO is assisted by ADSO and Safety Counsellors from various departments as well as clerical staff.

2.0 Safety Performance

2.1 Position of Consequential Train Accidents :

SN	Category	2011-12	2012-13	2013-14
1	Collision	Nil	Nil	Nil
2	Derailment	04	02	01
3	Manned LC	01	Nil	Nil
4	Unmanned LC	Nil	Nil	01
5	Fire	02	01	Nil
	Total	07	03	02

The number of Consequential Train Accidents decreased from 3 to 2 (Approx. 33%) during 2013-14 in comparison to corresponding period of the previous year. In both the accidents were due to failure of other than railway staff. Staff of WCR was not held responsible primarily or secondarily.

2.2 Comparative accidents per million train KM:-

S.N.	Year	Cumulative train KM(In millions)	Total Accidents	Accidents per million train KM
1.	2009-10	62.16	03	0.05
2.	2010-11	64.74	02	0.03
3.	2011-12	68.36	07	0.10
4.	2012-13	67.46	03	0.04
5.	2013-14	69.63	02	0.03

3.0 Steps taken on WCR to reduce accidents:

3.1: Steps taken to reduce derailments:-

- **Night Patrolling of track introduced on WCR during winter:** Night patrolling by Two patrolmen per two km on double line and two patrolmen per four km on single line section. Earlier winter patrolling was being done in critical sections only. After introduction of patrolling the reporting of rail / weld failures by drivers through lurch has significantly reduced.
- To reduce proneness of Rail Fracture/Weld Failure at welded joints, free joints, glued joints etc. new Grooved Rubber Pads have been provided on two adjacent sleepers on either side of the joints. **(Introduced by Engineering department in WCR)**
- Distressing of temperature has been revised and fixed as per record of rail temperature available over a period of 8-10 years.
- Loop lines have been strengthened by carrying out CTR(S) and replacement of existing turnout in Katni . Singrauli, Katni . Bina&Bina . Ruthiyai section.
- **Special USFD done on critical sections:** which are fractures prone including USFD of flash butt joints which are older than 5 years. Also USFD testing of tongue rail done in addition to instructions available.
- 100% provision of joggled fish plates with 02 far end bolts at high bank, outer rails of curves and bridge approaches.
- Anti-corrosive painting of welds and fishing zone of J/FP.
- **Wheel Impact Load Detector (WILD) is installed at three locations on WCR:**
 - JBP:** At KarhaiyaBhadoli near Damoh (Bina-Katni Down line)
 - BPL:** (a) At Powarkheda near Itarsi (Bhopal-Itarsi UP line)
(b) At KurwaiKethora near Bina (Bhopal-Bina Down line)

3.2: Steps taken to reduce Collisions/SPAD cases:-

There was no collision occurred on the WCR since last two years. Following measure has been taken on WCR to prevent collisions and SPAD cases:

- **Monitoring of Reversal of Points (GR 3.38(2):** Safety drives have been launched for checking reversal of points after arrival of train at any station in terms of GR 3.38 (2). Daily monitoring of reversal of point is being done through data logger reports. Weekly ASM fault for not reversing the point has been reduced considerably since starting monitoring.
- **Monitoring of VCDs:** Functioning of VCDs are being closely monitored. It is being ensured that loco getting out of shed is with functional VCD. Frequent ambush checks are also being conducted to check the functioning of VCDs.

- **Securing of Stabled Loads:** Safety drives were launched to ensure proper securing of stabled loads and following common nature of irregularities detected and corrective action taken:
 - (i) Inadequate no of application of hand brake.
 - (ii) Improper use of chain.
 - (iii) Inadequate length of chain
- **Isolation of Main Line as single line sections** i.e. All 6 stations on GUN- GWL section, 9 out of 17 stations on NKJ-SGRL section & 7 stations out of 10 stations on Guna . Maksi section has been completed.
- **Use of CUG Mobile:** CUG mobile phone in off condition during run for LPs is being selectively monitored through call details. Ambush checks have been conducted regularly. Special stickers have been pasted in all cabs in front of pilot seat to remind also.
- **Speed Gun:-** Ambush checks have been conducted regularly for checking over speeding in JBP, BPL and Kota by speed Gun.
- **Other steps taken:**
 - (i) Links were reviewed to reduce the continuous night duty from 6 nights to 4 nights working and now only 4 night continuous working is being permitted.
 - (ii) Running staff are counseled for signal calling out loudly, indicating name of station, signal name and signal aspect.
 - (iii) Ambush checks are being conducted at the signing off stations to ensure that LP/ALP do not start packing their belongings before the train is brought to halt at the signing-off stations.
 - (iv) Identification of alcohol prone LPs for taking reformative measures and close monitoring. Surprise checks during run by BA equipment.
 - (v) Weekly Monitoring of 10 Hour working at HQ & daily monitoring at divisions.
 - (vi) ALPs are specifically being sensitized to keep a watch on over-speeding of their trains and inform LPs to act in time and also take timely action for controlling the train.
 - (vii) No staff overdue for PME / RC is allowed to perform duty.
 - (viii) Welfare Inspectors have been nominated to interact with families of running staff. Problems raised are being taken care of. Families have been counseled on the imperative necessity of taking adequate rest while at home before duty.
 - (ix) If any LP comes to duty after long leave/sickness of more than 15 days, nominated LI accompanies LP on first trip. Also, LPs coming to duty after availing leave are being booked after 06.00 hours (in day time) to the extent possible.

3.3: Steps taken to reduce Fire incidences:-

- All the SLRs (131 nos.) of WCR based have been equipped with Master Switches in Guard compartment as per Railway Board's instructions. **(100% completed)**
- Flush type electrical fittings in luggage compartment of all WCR based SLRs have been provided as per Railway Board's instructions. **(100% completed)**
- All coaches of WCR based have been provided Over Voltage Protection Relays (OVPR). **(100% completed)**
- HRC and rewirable fuses as recommended by RDSO are ensured in every coach during primary maintenance.

- Earth leakage test of coaches is being ensured during primary maintenance.
- Provision of Fire Extinguishers: SLRs, AC Coaches and Power Cars. **(100% ensured)**
- Provision of wire-net in ventilator of GS coaches: It has been provided in all primary maintained GS & SLR coaches on the railway to prevent insertion of waste materials in ventilators. **(Introduced by Mechanical department in WCR)**
- As per Railway Board directives, a procedure to prevent fire in coaches due to illegal carriage of inflammable articles by passengers has been adopted by WCR. Any passenger/ staff through SMS/Call can convey information regarding inflammable articles being carried by any passenger on dedicated mobile no.(9752415555) for such purpose. Stickers were pasted in coaches of trains and platforms.
- **Attention to all mandatory items during Primary maintenance i.e.**
 - (i) No Loose joint/connection in wiring.
 - (ii) Over voltage protection relay in RRU.
 - (iii) Proper fuse rating.
 - (iv) Testing & checking of charging point.
 - (v) Cleaning of FDB/JB.
 - (vi) Checking of insulation and ground leakage.
 - (vii) Switching OFF coaches on arrival & stabling unoccupied.
 - (viii) Checking of Vane Relay.
 - (ix) Testing & ensure working of sensor & OHP.
 - (x) Cleaning of Filters.

3.4: Steps taken to reduce Level Xing accidents:-

- Sensitizing road users by:
 - (i) Counseling sessions. 18,825 road users have been counseled during the year 2012-13 & 11908 during 2013-14.
 - (ii) Through SMS (5.1 million during the year 2012-13 & 5.5 million during the year 2013-14).
 - (iii) 74 nos. ambush checks conducted with the help of local police during the year 2012-13 & 215 during 2013-14.
- Ensuring availability of complete infrastructure at UMLCs.
- 31 nos. Nukkad Nataks were organized at strategic locations during the year 2012-13 & 38 during 2013-14.
- 27,505 posters & handbills were distributed during the year 2012-13 & 15301 during 2013-14 among road user to cross UMLC in safe manner.
- 59 nos. of slides shown in cinema halls in the year 2012-13. 3 numbers campaigning on TV by DRMs regarding safety in the year 2013-14.
- **By closure of LCs.** 67 LCs during the year 2012-13 & 80 LCs during the year 2013-14 have been closed.
- **By manning of LCs.** Total 8 number of LCs have been manned during the year 2011-12, 7 during the year 2012-13 & 5 during the year 2013-14.
- **Construction RUBs/LHS.** Total 27 numbers of RUBs/LHS have been constructed during the year 2011-12, 42 during the year 2012-13 & 80 during the year 2013-14.
- **Construction ROBs.** Total 6 numbers of ROBs have been constructed during the year 2012-13 & 13 numbers during the year 2013-14.

- Double Speed Breakers have been provided on 25 numbers of busy level crossings having frequent boom damages cases.
- **Deployment of Gate Mitra on Unmanned LC on WCR:** On WCR Gate Mitra has been deployed at vulnerable unmanned LCs.
- **Master plan for elimination of UMLCs by 31.03.2015 (158 on 01.04.2013):**

SN	Elimination of UMLCs by	2013-14		Scope as on 01.04.14	Planned 2014-15	2015-16 & 2016-17
		Planned	Achieved			
1	Construction of LHS	55	27	95	33	62
2	Diversion Road	8	8	7	4	3
3	Closure of UMLC (Low TVU)	0	0	0	0	0
4	Manning of UMLC	4	5	16	5	11
Total nos. of UMLCs to be eliminated by above		67	40	118	42	76

- **Elimination of Manned LCs:**

SN	Elimination by	2012-13	2013-14	
		Achieved	Target	Achieved
1	ROB	6	8	7
2	RUB/LHS	13	8	23
3	Closure due to low TVU	7	2	10
4	Diversion	5	3	5
Total		31	21	45

3.5 Other Steps taken for improving safety on WCR:

3.5.1: Bridges-

- All distressed bridges have been rebuilt in WCR. Now there is no distressed bridge on WCR.
- Rehabilitation of 57 nos. bridges completed in 2012-13 and 50 nos. in 2013-14.

3.5.2: Other steps -

- Monitoring of safety related works on every Monday through Safety Meeting by GM, WCR with all PHODs and DRMs.
- Total **18** Safety Drives have been launched during the year 2013 covering various aspects of safety measures.
- 100% removal of infringing masts on main line.
- Relocating/increasing height of 09 signals to improve visibility for signals put across other tracks.
- Weekly monitoring of D&AR cases even of yard/siding accidents at GM level.
- Providing barricade where road is parallel to track.

3.6 Other Safety activities like Safety Seminar, Safety Camp, Nukkad Natak and distribution of Posters/Hand Bills/Stickers:-

The details of safety camps/seminars, ambush checks, which were carried out and, TV shows, advertisement and stickers posters hand bills were distributed in last year and current year up to December -2013 are as under-

SN	Items	2012-13	2013-14
1	Safety Seminar	124	137
2	Safety Camp	70	46
3	No. of Posters/Hand Bills/Stickers	27967	15301
4	Nukkad Natak	31	38
5	No. of films/Slides shown in Cinema halls	59	3 (On TV)
6	No of ambush checks conducted at UMLC with the help of police & civil authorities.	74	215
7	Road user counselled	18825	11908

3.7: Safety Meeting conducted by GM with all PHODs & DRMs (through video conferencing)

On every Monday: Important issues pertaining to safety are discussed regularly which helps to improve safety on the railway. Some of the important items discussed are as under-

- Each & every accident happened on WCR and serious accidents happened on other railways.
- All unusual incidences like train parting cases, hot axle cases, damage of signals and other installations by open door wagons etc.
- Level crossing incidences i.e. boom breakages, LC phone failures, inattentiveness of gateman etc.
- Reversal of points immediate after arrival of trains through data loggers and daily testing of crossovers.
- Weekly analysis of 10 hours rule implementation.
- PME & Refresher courses overdue positions.
- Serious irregularities noticed during inspections of officers and inspectors during week.
- Periodical joint inspection of ARTs and ARMVs.



**Consequential Train Accidents on West Central Railway during 2013-14
(April-2013 to March -2014)**

Accident No.1			
SN	Particulars		Case details
1	Date and Time	:	13.06.2013., 05.39 Hrs. between Uparmal-Shyampura stations of Kota - Chittaurgarh section of Kota division.
2	Brief Particular	:	On 13.06.13 at 05.39 hrs, while goods train no. RAZ/HZL was on run between Uparmal - Shyampura stations of Kota- Chittaurgarh section of Kota division, One Truck (RJ-06,G-3279) dashed with train engine no. 14536 at Unmanned LC No.69 at km 73/6-7.
3	Casualties	:	Two (2) road users died (Truck driver & cleaner).
4	Final Cause	:	Careless driving by truck driver while passing the UMLC.
5	Cost of Damage (in ₹)	:	₹ 98,000/- (Loco Mechanical)
6	Level of enquiry	:	Jr. Scale officers.
7	Responsibility	:	Truck driver held responsible. (No railway staff held responsible)
8	D&AR Action	:	Not required.

Accident No.2			
SN	Particulars		Case details
1	Date and Time	:	08.08.2013, 08.30 hrs, between Jeruwakhera . Sumreri stations, Katni . Bina section of Jabalpur division.
2	Brief Particular	:	On 08.08.2013 at about 08.30 hrs, 2 BOX/N loaded with iron sheet (6th & 7th rear) of train no. GZB/N derailed at km 1011/8-9 near IBH no. S-38 on Up line between Jeruwakhera . Sumreri stations of Katni . Bina section of Jabalpur division.
3	Casualties	:	Nil
4	Final Cause	:	Securing of steel coil roll after loading was not done as per rules by consignee Bhushan Steel Ltd., Meera Mandali.
5	Cost of Damage (in ₹)	:	Total ₹ 11,91,539/- (Engineering . ₹ 8,30,000/-, Mechanical . ₹3,61,539/-)
6	Level of enquiry	:	JA Grade officers
7	Responsibility	:	Primary: Bhushan Steel Ltd., MeraMandali (Consignee). Secondary: 1. Sh. B.G. Khuntia, SSE (C&W), Angul, KUR Div., ECoR. 2. Sh. M.K. Pandey, Ch.MI, MRDL, Khurda Road, ECoR.
8	D&AR Action	:	Primary: Bill raised for an amount of ₹ 19,02,603/- against M/s Bhushan Steel Ltd. by DME(I/C)/Khurda road, ECoR. Secondary: 1. Censured, 2. WIT for 6 months.

13. सुरक्षा / SECURITY

Railway Protection Force has successfully safeguarded Railway Property as well as property entrusted to the Railways over West Central Railway. Efforts of RPF have brought rich dividends and it has been able to put up a commendable performance by controlling thefts in various areas. During the year 2013-14 total number of 361 cases were detected under RP(UP) Act with recovery of Railway property valued ₹12,68,889/- and arrest of 625 criminals.

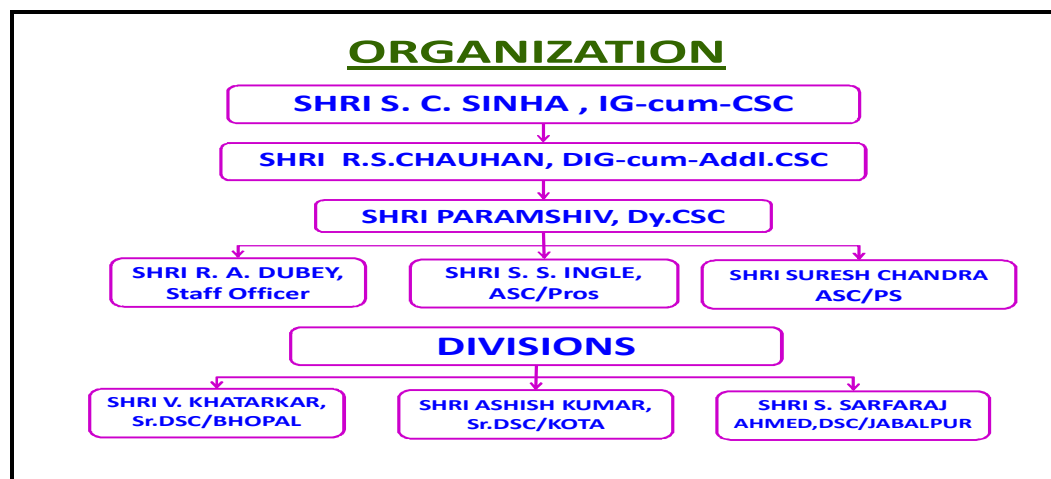
The object of extending facilitation to the traveling public remained top priority of RPF during the above period and to achieve this objective all possible measures were initiated. Regular drives and raids were conducted to keep the station premises and running trains free from unauthorized hawkers, touts and undesirable anti-social elements.

During the year 2013-14, a record number of 1,95,979 persons were prosecuted under the Railways Act and fine of ₹7,27,22,063/- were realized from them. The menace of toutage over W.C. Railway has been controlled by the RPF to a large extent. As many as 70 persons who were found indulging in toutage within Railway premises were arrested and prosecuted by RPF. During the same period, 3213 persons were arrested and prosecuted during the year 2013-14 for Alarm Chain Pulling (ACP) cases and fine of ₹18,84,301/- was realized from them.

Drives along with Commercial branch were conducted to nab ticketless travelers in a big way and as many as 1,32,061 persons traveling without ticket were arrested and a fine of ₹6,04,13,887/- was realized from them during the year 2013-14.

SECURITY ORGANIZATION

The organization, function superintendence and command of Railway Protection Force is governed by RPF Act 1957 as modified by Act No. 60 of 1985 and 52 of 2003. The basic duties of RPF under the Act are to protect and safe guard Railway Property including security of passenger and passengers area, to remove any obstruction in the movement of Railway property and to execute all other orders issued lawfully by competent authorities. The RPF organizational set up in WCR consists of one IG-cum-CSC assisted by one DIG-cum-Addl.CSC, one Dy.CSC, three ASCs in Head Quarters, one DSC and one ASC in Jabalpur Division, one Sr.DSC and two ASCs in Bhopal Division and one Sr.DSC, one DSC and one ASC in Kota division.



After the creation of new zone and reorganization of W.C.Rly. from 01.04.2003 the sanction and present strength of Security branch as on 31.03.2014 is as under:-

STRENGTH OF GOs OVER WCR

Rank	IG	DIG	Dy. CSC	Sr. DSC	DSC	ASC	TOTAL
Sanctioned	01	01	01	02	01	07	13
Present	01	01	01	02	01	05	11
Vacancy	-	-	-	-	-	02	02

STRENGTH OF NON-GOs OVER WCR- (EXECUTIVE STAFF)

Rank	IPF	SIPF	ASI	HC	CT	HC/Handler	CT/Handler	Driver	Ancillary	Total
Sanctioned	43	78	137	574	869	28	16	11	16	1772
Present	35	71	104	503	518	14	16	06	14	1281
Vacancy	08	07	33	71	351	14	-	05	02	491

Note: W.C.Rly has 43 lady Officers and Staff (08-SIPF and 35-Constables) on its Roll.

Co-ordination Meetings

An important duty of the RPF is to co-ordinate with State Police and Civil authorities as well as assists the GRP and police in maintenance of law and order and control of crime in Railway premises. Officers the level of DSC and above held 156 co-ordination meeting with GRP/Police and Civil authorities during the year 2013-14.

A. CRIME STATISTICS AND SECURITY ARRANGEMENTS

Statement indicating the property stolen and property recovered under Booked Consignments as well as Railway Material, cases detected under Railway Property (Unlawful Possession) Act, 1966 and the Railways Act, 1989 over W.C.Rly. During the last three financial years are as under:-

➤ **THEFT OF BOOKED CONSIGNMENT**

Year	No. of cases			Value of Property			Persons arrested
	Regd.	Detd.	% Det.	Stolen (in ₹)	Recovered (in ₹)	% Rec.	
2011-12	17	11	64.71	153795	123105	80.04	30
2012-13	27	25	92.59	399233	391873	98.15	75
2013-14	21	20	95.24	477240	445540	93.36	99

➤ **THEFT OF RAILWAY MATERIAL**

Year	No. of cases			Value of Property			Persons arrested
	Regd.	Detd.	% Dec.	Stolen (in ₹)	Recovered (in ₹)	% Rec.	
2011-12	415	386	93.01	21,26,677	5,77,365	27.15	679
2012-13	334	301	90.11	7,59,761	6,20,072	81.61	525
2013-14	342	339	99.12	8,06,621	6,88,496	85.36	526

➤ **THE RAILWAY PROPERTY (UNLAWFUL POSSESTION) ACT, 1966 :-**

Year	No. of cases Detd.	Value of Property Recovered (in ₹)	Persons arrested
2011-12	380	6,71,065	709
2012-13	304	11,58,759	600
2013-14	361	11,05,716	625

➤ **THE RAILWAYS ACT, 1989 :-**

The statement indicates the number of offenders prosecuted by RPF over W.C.Rly. during the last three financial years are as under :-

U/S	2011-12		2012-13		2013-14	
	P/A	Fine ₹	P/A	Fine ₹	P/A	Fine ₹
137	1564	670849	3443	1313868	25780	12767616
138	56136	20647117	85259	33969769	106281	47646271
141	3524	1316598	3520	2086740	3213	1884301
142	01	1315	02	1564	0	0
143	75	0	91	6000	70	0
144	12858	3655084	10223	5031734	13056	4435417
145	3222	393453	3310	404356	7369	950261
146	82	21495	195	63185	118	43030
147	13506	1570973	12378	1973410	10257	1672650
153	06	0	22	0	18	0
154	197	375100	204	658180	166	582850
155	5974	394300	5243	496328	9303	843340
156	4011	198902	2851	232641	3231	284875
157	15	13200	0	0	0	0
159	4623	569400	3916	415500	7074	706632
160	157	172450	144	62700	103	48900
161	14	1500	05	4000	5	13000
162	12081	487600	6572	549927	8994	477670
163	02	1500	01	0	0	0
164	06	5129	21	3000	11	0
165	05	1100	9	4900	1	0
166	02	2000	01	0	3	1500
167	354	23950	517	35150	772	40500
172	07	0	05	250	8	700
173	0	0	0	0	0	0
174	138	103200	144	236450	146	322550
175	0	0	0	0	0	0
180(g)	01	459	01	0	0	0
Total	1,18,561	3,06,26,674	1,38,077	4,75,49,652	1,95,979	7,27,22,063

PERFORMANCE OF DOG SQUAD:-

The Dog Squad over WCR has a sanctioned strength of 26 dogs, out of which 23 dogs (22-Sniffer and 01-Tracker) are present. The dogs are utilized at important railway stations for anti-sabotage checks in trains, reservation office and platforms. RPF Dogs are also rendering assistance to GRP for anti sabotage checking and other crime related investigation when ever required.



Awareness Campaign against Inflammable Articles

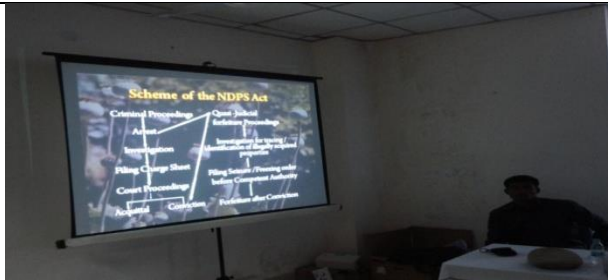


- During year-2013-14, 397 checks/awareness campaigns conducted.
- 11 persons arrested u/s 164 of the Railways Act.
- Dedicated mobile no. 97524-15555 has been provided for the purpose and given wide publicity.

Awareness campaign against Drugging Over W.C.Railway



Narcotic drugs Seminar



- On 29.11.2013 Narcotic Drugs Seminar was organized at CSC/RPF Officer Jabalpur.
- Procedure of seizure of Narcotic drugs has been explained by Officers of the Narcotics Control Bureau of Indore (MP).
- Various types of Narcotic drugs shown through slides.
- Modus-operendi of transportation of drugs over Railways discussed.
- Important provisions of the NDPS Act, 1985 were explained.

B. REWARD & COMMENDATION-

The details of rewards and commendations sanctioned to RPF staff of WCR for their excellent performance during the period of 2013-14 under review is mentioned below:-

PPM	IPM	DG/RPF Insignia	MR (Railway Week) Award by Railway Board	Railway Week Award by GM/WCR	Officers /Staff awarded by GM/WCR	Officers /Staff awarded by CSC/WCR
01	03	05	01	09	370	130

MODERNIZATION OF SECURITY BRANCH –

Bhopal, Itarsi, Kota, Bina and Jabalpur have been identified for installation of Integrated Security System (ISS) on this Railway. Out of these stations, the Integrated Security System has been sanctioned for Bhopal and Itarsi stations at total cost of ₹395.39 lakhs and the process of installation of gadgets is in progress at Bhopal and Itarsi stations.

Efforts have been made to equip the force with the latest weaponry, vehicles, means of communication and security equipments etc. During the year 2013-14, 04 items i.e. Luminous Jacket, Binocular, Fingre Print Kit, and Digital Handicam were purchased at an approximate cost of ₹30.29 Lakhs. Besides, during the year 2013-14, 03 nos. Multi gym, 11 nos. of HP Computers, 09 nos. HP Laser Printers and 01 no. MFP Fax Machine were purchased at an approximate cost ₹08.23 lakhs.

RSMS:- RPF Security Management System (RSMS) is functioning at Zonal Security Control, all three Divisional Security Control Room and SIB unit of HQ/Division of W.C.Railway. Daily Report/correspondences are being send/received through RSMS to Railway Board, other Zonal Railways/Divisions.



STAFF WELFARE :-

Modified Assured Career Progression Scheme (MACPS):- During the year 2013-14, 160 numbers of officers/staff of RPF were granted benefit under Modified Assured Career Progression Scheme.

Railway Surksha Kalyan Nidhi (RSKN) :- During the year 2013-14, 35 staff were paid ₹9,15,480/- from RSKN under Vipatti Sahayta, Lump-sum, Ex-gratia, Merit Scholarship, Funeral Expenses, bank charges and 10% subscription.

OTHER GOOD WORK DONE BY RPF DURING THE YEAR 2013-14:-

- 88 missing children rescued.
- 25 cases of theft of passenger belongings/luggage lifting detected by RPF with arrest of 26 persons.
- 01 case of illegal carrying of arms detected by RPF with arrest of 02 persons.
- In 02 cases, contrabad goods recovered by RPF with arrest of 03 persons.
- 04 persons arrested by RPF involved in 04 cases of crime against women passengers.
- 3,520 unauthorized Alarm Chain Puller arrested.
- 10, 223 unauthorized hawkers/vendors arrested.
- 91 touts arrested.
- 5,367 persons fined under the Tobbaco Act.

<u>Awareness campaign for crime against women passengers</u>	
<p>Four RPF lady squads (Mahila Vahini) namely :</p> <ol style="list-style-type: none"> 1) Avanti Bai at Bhopal, 2) Durgavati at Jabalpur, 3) Padmini at Kota and 4) Panna at Sawaimadhopur have been formed on W.C. Railway for prevention and detection of crime against women passengers. 	
<ul style="list-style-type: none"> • During year-2013, 2603 ladies coaches have been checked by the lady squads (Mahila Vahini). • 2421 persons have been arrested by the lady squads under section 162 of the Railways Act. • Dedicated mobile no. 1800-233-0044 has been provided for the purpose and given wide publicity. 	<p>महिला यात्रियों के साथ छेड़छाड़ या किसी भी अपराध की जांचकारी कृपया निःशुल्क फोन नम्बर 18002330044 पर अवश्य दें।</p>  <p>महिला यात्रियों को भीच में घुड़ने का या अपराध करना रेल अधिनियम की धारा 162 के तहत दण्डनीय अपराध है जिसमें न्यायालय द्वारा 500/- रुपये का जुर्माना हो सकता है। रेलवे वाहनों या स्टेशन में न्यूनीय या दुर्वर्तन करना रेल अधिनियम की धारा 145 के तहत दण्डनीय अपराध है जिसमें न्यायालय द्वारा 06 महीने या कारावास या 500/- रुपये के जुर्माने से या दोनों से दण्डित किया जा सकता है। महिलाओं से छेड़छाड़ या जल-जलदस्ती करना भारतीय दण्ड संहिता की धारा 354 के तहत दण्डनीय है जिसमें न्यायालय द्वारा 07 वर्ष तक का कारावास और जुर्माने से दण्डित किया जा सकता है।</p>

ACHIEVEMENT IN SPORTS-DURING THE YEAR 2013-14 : -

<ul style="list-style-type: none"> • RPF/WCR Basketball Team has secured 2nd place in Inter Railway RPF • Basketball Tournament-2013 held at Ratlam (W.Railway). 	
<p>- Inter Divisional RPF Volleyball Tournament was successfully conducted at Railway Stadium, Jabalpur. HQs/Jabalpur team secured the 1st place, while Bhopal Division team secured 2nd place in the Tournament.</p>	

14. संकेत एवं दूरसंचार/SIGNAL& TELECOM

The salient achievements and highlights of performance for the year 2013-14 are as follows:

1. Achievements/Highlights
Pink Book/Joint Works
- 1.1 Panel Interlocking works:
Total PI Stations commissioned during the year . 05+03* Nos
- 1.2 Electronic Interlocking works:-
Total EI Stations commissioned during the year . 03* Nos
- 1.3 Track circuiting:-
Total Track circuit commissioned during the year - 28+04* Station phases.
- 1.4 Shifting of starter signals to the boundary of track circuits:-
Total starters shifted - 84 Nos at 26 stations.
- 1.5 LED signals:-
Total No. of LED aspects provided during the year . 2002 Nos.
- 1.6 Block Proving by Axle Counter:
Total BPACs commissioned during the year . 04+07* Nos
- 1.7 Dual BPACs:
Total dual BPACs commissioned . 17 Nos
- 1.8 Interlocking of L.C. gates:-
Total No of L.C. gates interlocked during the year . 05+03*
- 1.9 Conversion of L.C. gates from mechanical to electrical -
Total No. of L.C. gates where the mode of operation has been converted from mechanical to electrical during the year . 19.
- 1.10 IBHs :
Total IBHs commissioned . 05+01* Nos
(*Replacement work.)
- 2.0 Summarized position of commissioning of works vis a vis targets is as below:

Works	Target for Railway 2013-14		Cumulative progress till the end of the year	
	SRSF	Others/ Pink Book	SRSF	Others/Pink Book
RRI	NIL	10	NA	NIL
PI/EI			NA	05+06*
New crossing / precedence stations	NIL	--	NA	NIL
Rehabilitation works	Not applicable for WCR			
Track Circuit Locations	NIL	23	NA	28+04*
BPAC	NIL	10	NA	04+07*
L.C. Interlocking	NIL	06	NA	05+03*
IBS	NIL	05	NA	05+01*
L.C. Telephone	NIL	All Manned	NA	05
Cont. Track Circuit	Not applicable for WCR			

(*Replacement work.)

- 3.0 Passenger Amenities -
- 3.1 JTBSs, Total locations provided . 11 locations.

- 3.2 (a) Train Information Display Board (LCD type) : Total locations provided . 09 locations.
(b) Train Information Display Board (single colour) : Total locations provided . 02 locations.
- 3.3 Clocks: Total No.of clocks provided . GPS based 10 Nos. at 2 stns & Quartz type -2 Nos.
- 3.4 UTSS : Total stations provided . 17 stations.
- 3.5 PRSS : Total locations provided . 02 locations.
- 3.6 Palm vein based bio-metric Token dispenser systems: Total locations provided . 2 machines at 01 station.
- 3.7 Electronic display system for paperless reservation charts: Total locations provided . 01.
- 3.8 PA systems: Total stations provided . 05 stations.
- 3.9 On line booking of retiring rooms: Total stations provided . 07 stations.
- 3.10 Coach cum Train information at a glance systems: Total boards provided . 04 stations (comprehensive train information system LCD type . 03 & at a-glance board at 01 station.
- 3.11 Coach guidance boards: Total boards provided: 28 Nos. at 02 PFs at 02 stations.
- 4.0 New Technologies
- 4.1 Systems of Single Section Digital Axle Counters:
Total Systems of Single Section Digital Axle Counters for BPAC applications commissioned during the year . 51 Nos.
- 4.2 Systems of Multi Section Digital Axle Counters:
Total Systems of Multi Section Digital Axle Counters for Track circuit application commissioned during the year . 02 Nos
- 4.3 Total No. of IPS Systems provided during the year . 21+09*
- 5.0 System Improvements (Signal)**
- 5.1 Total No. of Data Loggers provided during the year . 37+05*
- 5.2 Total No of LED aspects provided on colour light signals, during the year . 2002
- 5.3 Total No. of Token less Block instruments provided during the year- 03
- 5.4 Total No of IRS type point machines provided during the year - 120+55*
- 5.5 Earth Leakage Detector-
Total No. of ELDs provided during the year- 40+1*
- 5.6 Total No. of Glued joints provided during the year.- 629+292*
- 5.7 Total No. of gates provided with sliding booms during the year - 39
- 5.8 Solar panels (Signal):
Total Solar panels provided for standby power supply in signaling system. 500 Nos
- 6.0 System Improvements (Telecom.)**
- 6.1 Maintenance free earths: Total provided . 20 Nos. (*Replacement work.)
- 6.2 CMS : Total provided . 02 locations.
- 6.3 FOIS/TMS : Total provided . 05 locations.
- 6.4 PMS : Total provided . 03 locations.
- 6.5 Exchanges : Total exchanges upgraded / replaced . 01 No.
- 6.6 Protection devices : A class total provided . 90 Nos.
B & C class total provided . 36 Nos.
D class total provided . 200 Nos.
- 6.7 Railnet /Internet connections through DSLAM : Total provided . 36
- 6.8 Solar panels : Total provided . 20 Nos.
- 6.9 PRIME (Pay Roll & Independent Module) / AFRES (Advanced Financial Railway Earning & Expenditure Information System): Total provided . 07 locations/01 location.
- 6.10 Fixed Cellular Terminals: Total provided . 25 Nos.
- 6.11 SDH equipments : Total provided . 06 Nos.

7.0 Maintenance Efforts to Reduce Failures/Improve Reliability

- (i) Total no. of Batteries replaced during the year- 5070 Nos
- (ii) Total no. of Incandescent lamps replaced with LED Signal lamps during the year- 2002 aspects including at new stations.
- (iii) Total no. of IPS Systems provided during the year. 21+09*

8.0 Efforts to improve Safety:

- 8.1 Sections Provided with BPAC during the year . 04+07* Nos

9.0 Revenue Generation Efforts

- 9.1 Saving of Rentals due to surrender of BSNL circuits as a result of commissioning of OFC.

Position of BSNL circuits surrendered since the formation of zone is as follows:

Year	Number of Circuits Surrendered	Rental Saved Per Annum	Cumulative saving in Rental/Annum
2002-03 to 2012-13	176 channels + 5 NEL	-	₹ 1,73,63,929
2013-14	05 channels	₹ 16,77,038	₹ 1,90,40,967

(*Replacement work.)

4

10 Telephones at L.C. Gates:

Total No. of newly manned LC gates provided with telephone: 05

All the manned gates on this Railway are equipped with telephones.

11. Progress of OFC Works: Summary-

Sr No.	Type of cable	Target 2013-14	Achieved till the end of the month 2013-14	Remarks
1	Quad cable	300 Kms	Cumulative commissioning of Quad cable in 2013-14 : 104.548 Kms Cumulative Quad cable laid :152.473 Kms	(i) Balance 8.9 Kms of quad cable laid in 2012-13 has been commissioned in 2013-14. (ii) 95.648 Kms of quad cable laid in 13-14 has also been commissioned. (it includes 50.125 Kms cable laid in Jabalpur div. for independent communication with manned LC gates) (iii) Cumulative progress of commissioning of quad cable in 2013-14 : 104.548 Kms.
2	OFC	12.2 Km	Cumulative commissioning of OFC in 2013-14: 25.8 Kms. Cumulative OFC blown in 2013-14: 12 Kms	(i) 25.8 Kms Commissioned between Ramganjmandi . Julmi . Jhalawarcity on newly constructed line between Ramganjmandi . Bhopal Section. (ii) Balance 12.2 Kms of Shivpuri . Mohana section is in progress out of this 12 Kms OFC has been blown. (iii) Cumulative commissioning of OFC in 2013-14 : 25.8 Kms.

12. Asset Management:

Item	Cumulative till current month of the current year (2013-14)	Cumulative till the same period of the last year(2012-13)	%increase/decrease over same period of the last year
Total Signal Incidences	7067	7784	9.21% reduction

13. Overhauling: The details are as under:

Equipment	Total to be over-hauled during the year (including over due as on 1 st April 2013)	Cumulative progress till 31 st March 2014
Lever Frames	15	23
Block Instruments	17	26
Track Relays- Shelf type	0	0
Line Relays. Shelf type	0	03
Point Machine	10	58

Commissioning of Electronic Interlocking along with Third line in Bina - Bhopal section



BET station Relay Room



Operating Panel of Ganj Basoda Station



Block panel Bhopal division, working on OFC and Quad cable both



Relay room Bareilly station of Bhopal division



Sliding Boom barrier installed in Bhopal division

16. सतर्कता/VIGILANCE

1. GENERAL

The activities of Vigilance Organization cover a wide range in various fields. The organization investigates complaints, pertaining to offences of corruption and other kind of malpractices, also carries out preventive checks at sensitive points, locations and areas in order to ascertain if procedures are being adhered to. Decoy checks are also conducted in order to reinforce the systems.

The main Areas of activities of Vigilance can broadly be categorized as under:-

- (i) Preventive checks.
- (ii) Investigation into genuine and verified complaints.
- (iii) Punitive recommendations consequent to investigations.
- (iv) Integrity building.
- (v) Vigilance clearance.
- (vi) Education and awareness.

The activities of Vigilance carried out in various areas have the following objectives:

- (i) Ensure observance of rules and procedures.
- (ii) To prevent against leakage of Railway revenue.
- (iii) Procedural and structural reforms to restrict and limit opportunities for corrupt practices.
- (iv) To improve all users perception.

The three-pronged strategy of Vigilance to boost Railway revenue has been undertaken in:-

- (i) Mass contact areas.
- (ii) Fraudulent payment to staff.
- (iii) Disposal of scrap.

2. ORGANIZATION

Vigilance organization on the West Central Railway started functioning during 2003-04 under administrative control of Chief Vigilance Officer, who is also the SDGM of the Railway. During the year the strength of Vigilance organization is as follows:

Gazetted:

Sr. No.	Designation	No. of posts
1	Chief Vigilance Officer	01
2	Dy. Chief Vigilance Officer	03
3	Sr. Vigilance Officer (Personnel)	01
4	Asstt. Vigilance Officer (S&T)	01
5	Asstt. Vigilance Officer (Electrical)	01
8	PS to SDGM	01
TOTAL		08

Non-Gazetted staff:

Sr. No.	Designation	No. of posts
1	Vigilance Inspectors	18
3	Ministerial staff including Stenos	13
4	Group D staff	06
TOTAL		37

Apart from the above, a separate Enquiry Cell is also functioning under the direct control and supervision of SDGM.

Sr. No.	Designation	No. of posts
1	Sr. Enquiry Officer	01
2	Enquiry Officer	01
3	Chief Enquiry Inspectors	04
TOTAL		06

3. INVESTIGATIONS INTO COMPLAINTS

Total number of complaints received and investigated by the vigilance branch during the year i.e. 2013 and the result arising there from in the form of Major penalty / minor penalty proceedings are as under:-

Sr. No.	Description		Nos.
1	Complaints received	NG	459
		Gaz.	66
2	Complaints investigated	NG	97
		Gaz.	21
3	Major penalty proceedings	NG	03
		Gaz.	01
4	Minor penalty proceedings	NG	03
		Gaz.	--

4. PREVENTIVE CHECKS

Sr. No.	Description	Nos.
1	Number of preventive check conducted (in Nos.)	2060
2	Amount raised/realized towards railway dues i.e. mass contact area, parcel and establishment matters (in ₹)	₹ 1,33,14,525/-
3	Number of Major penalty proceedings arising there from (number of staff)	43
4	Number of Minor penalty proceedings arising there from (number of staff)	142

5. STATISTICAL INFORMATION

Sr. No.	Description	Non-Gaz.		Gaz.	
		Major	Minor	Major	Minor
1	No. of DAR cases brought forward from previous year	97	11	22	9
2	No. of fresh cases arose during the year	51	182	1	3
3	No. of cases finalized during the year	75	140	4	9
4	No. of cases outstanding at the end of the year	73	53	19	3

6. PUNISHMENTS

Sr. No.	Description	Non-Gaz.		Gaz.	
		Major	Minor	Major	Minor
1	Dismissal	03	-	-	-
2	Removals	05	-	-	-
3	Compulsory retirements	05	-	-	-
4	Reduction in rank/pay	52	08	-	-
5	Cut in pension	-	-	02	-
6	Recovery from pay	-	-	-	-
7	Withholding of increments	-	57	-	04
8	Withholding of promotions	-	-	-	-
9	Censure/Warning	-	19	-	06
10	Others (Stoppage of Pass/PTO etc.)	-	53	-	-
11	No action	03	05	01	-
	Total	68	142	03	10

7. TRAFFIC UNDER CHARGES RAISED IN GOODS

By continuous efforts for blocking the leakage of Railway revenue, an amount of ₹ **41,46,631/-** (Rupees Forty one lakhs forty six thousand six hundred and thirty one only) has been raised in goods as a result of re-weighment of rakes at **ET and KOTA** weighbridges for the period from January, 2013 to December, 2013.

8. IRREGULARITIES DETECTED IN PAYMENT OF STAFF

Amount detected during Vigilance checks in irregular payment in re-imbursement of tuition fee, transportation allowance, over payment etc.- during the period from January, 2013 to December, 2013 is ₹ **13,85,841/-** (Rupees thirteen lakhs eighty five thousand eight hundred and forty one only).

9. BRIEF OF SOME IMPORTANT CHECKS CONDUCTED BY VIGILANCE DEPTT.

April 2013: On the basis of a source information, a preventive check was conducted in Train No. 01028 (Holiday Special) at Jabalpur railway station of JBP divn. on 19.04.2013 during which it was detected that the consignment sent by day-to-day lease holder of SLRs M/s Navyug Rail Services, Mumbai was not unloaded at destination and the same consignment was coming back loaded in the same two SLRs of the train in return journey direction as un-booked which was got booked and an amount of ₹ 2,36,876/- was realised from the party.

May 2013: During a preventive check conducted in Train No.12295 at Itarsi railway station of BPL divn. on 29.05.2013, the articles loaded in the leased SLR (I comp.) were reweighed and these were found 6268 Kg. as against 4000 Kg. permitted. Accordingly, an amount of ₹ 1,19,563/- was realized as undercharges from the lease holder . M/s Smart Agency, Khurda Road.

June 2013: On the basis of a source information, a preventive check was conducted on a Goods rake which was subjected for reweighment at Itarsi railway station, (In-Motion Weigh Bridge) of BPL divn. during which excess load of 208 t. was detected. Accordingly, a penalty of ₹ 40,25,732/- was realized from the party.

July 2013: On the basis of a source information, a preventive check was conducted on 13.07.2013 in SLR of Train No.12138 at Itarsi Railway station of Bhopal division, during which it

was found that lease holder has loaded 1777 Kg. excess articles in Front SLR IInd Comp No. CR 99721. ₹ 89,396/- was realised as under charges from the lease holder.

August 2013: On the basis of a source information, a **Decoy check** was conducted in the Railway Central Hospital, Jabalpur on 12.08.2013 during which one peon under Sr. DSO/Bhopal was caught accepting ₹30,000/- from decoy cum complainant for arranging his medical examination for providing forged appointment in Railway as a Peon.

September 2013: On the basis of a source information, a **Decoy check** was conducted in the office of SSE/ Electrical/ET at Itarsi railway station of Bhopal division on 11.09.2013 during which one Chief Office Superintendent was caught accepting ₹ 5,000/- from the decoy person, working in his office for arranging settlement of his case of ECC society loan.

October 2013: On the basis of a source information, a **Decoy check** was conducted in the office of divisional Rly.Hospital/BPL of Bhopal division on 17.10.2013 during which one Chief Office Superintendent was caught accepting ₹ 9,000/- from the decoy person, for issuing physical fitness certificate required for compassionate appointment in Rly.

November 2013: During a preventive check conducted in SLR of Train No. 19020 at Kota Railway Station of KOTA division on 21.11.2013, articles weighing 5362 Kg. were found loaded against 4000 Kg. permitted. As such, 1362 kg. weight was found excess loaded. Accordingly ₹ **78,647/-** was realised as under charges from the lease holder.

December 2013:

1. During a preventive check conducted in SLR of Train No. 19020 at Kota Railway Station of KOTA division on 16.12.2013, articles weighing 7085 Kg. were found loaded in the SLR against 4000 Kg. permitted. As such, 3085 kg. weight was found excess loaded. Accordingly, ₹ **1,57,193/-** was realised as under charges from the lease holder.

2. On the basis of a source information, a preventive check was conducted in SLR of Train No. 19020 at Kota Railway Station of KOTA division on 16.12.2013 during which articles weighing 6310 Kg. were found loaded in the SLR against 4000 Kg. permitted. As such, 2310 kg. weight was found excess loaded. Accordingly, ₹ 1,22,764/- was realised as under charges from the lease holder.

January 2014: On the basis of a source information, a **Decoy check** was conducted in the office of SSE/PW/New Yard/ET of Bhopal division on 06.01.2014 during which one SSE/PW/New Yard/ET was caught accepting ₹ 25,000/- from the decoy person, for passing contractors bill.

February 2014: On the basis of a source information, a **Decoy check** was conducted in the office of Station Manager/Damoh of Jabalpur division on 19.02.2014 during which one Jr.Clerk(P) was caught accepting ₹ 700/- from the decoy person, to transfer Family Pass account of his mother from DRM office JBP to SM.Office DMO. On the basis of a source information, a **Decoy check** was conducted in the Booking office BPL of Bhopal division on 15.02.2014, during which one Waiting Room Attendant, BPL was caught red-handed manipulating the UTS generated tickets by altering the number of passengers & fare.

March 2014: 1. On the basis of a source information, a **Decoy check** was conducted in the Health Centre of Satna Railway Station of Jabalpur division on 07.03.2014 during which one Sr. Pharmacist & one HA were caught while accepting ₹ 1500/- from the decoy person for issue of Fit Certificate. 2. On the basis of a source information, a **Decoy check** was conducted in the office

of DRM/Bhopal on 10.03.2014 during which one ADEE(G)/BPL was caught while accepting ₹7000/- from the decoy person for passing the bill of supply of a non-stock item. 3. On the basis of a source information, a **Decoy check** was conducted in Train No.15010 in Jabalpur-Satna section of Jabalpur division on 21.03.2014 during which one TTE on duty was caught while accepting ₹ 700/- from decoy passenger. During the check, he has also not co-operated with the vigilance team and attempted to push out a VI from the moving train for which FIR has been lodged by the VI against the TTE in GRP, Police station/Manikpur on which he was arrested.

Highlights:

Vigilance Camps & Seminars

Regular vigilance camps and seminars have been organised to educate the field staff by WCR Vigilance organization. In these camps/seminars, senior subordinates and other staff have been educated by Vigilance officers through interactive lectures on precautions to be taken during execution of works contracts and on establishment matters (Conduct Rules & DAR etc.) with an objective to minimize the vigilance cases due to lack of knowledge on these subjects during day to day working. The response of these camps/seminars has been quite satisfactory. In addition, Vigilance related complaints were also received in these camps from passengers and railway employees of nearby areas. These camps/seminars have been very useful for the staff as they were benefited by the lectures during these camps/seminars. Total 22 camps/seminar as detailed below have been organised during the period.

April 2013: Two Vigilance camps/seminars i.e. one at Bharatpur station of KOTA division on 9th & 10th April 2013 and other at Mandalgarh station of KOTA division on 29th & 30th April 2013 have been organized during the month.

May 2013: One Vigilance camp/seminar at Baran station of KOTA division on 20th & 21st May 2013 has been organized during the month.

June 2013: Two Vigilance camps/seminars i.e. one at Shivpuri (SVPI) station of Bhopal division on 19th & 20th June 2013 and other at Sawai Madhopur (SWM) station of KOTA division on 27th & 28th June 2013 have been organized during the month.

July 2013: Two Vigilance camps/seminars i.e. one at Biyavra Rajgarh (BRRG) station of Bhopal division on 11th & 12th July 2013 and other at Bina station of Bhopal division on 18th & 19th July 2013 have been organized during the month.

August 2013: Two Vigilance camps/seminars i.e. one at Vidisha (BHS) station of Bhopal division on 13th & 14th August 2013 and other at Itarsi (ET) station of Bhopal division on 22nd & 23rd August 2013 have been organized during the month.

September 2013: Two Vigilance camps/ seminars i.e. one at Harda (HD) station of Bhopal division on 12th & 13th September 2013 and other at Narsinghpur (NU) station of Jabalpur division on 23rd & 24th September 2013 have been organized during the month.

October 2013: Two Vigilance camps/ seminars i.e. one at Katni (KTE) station of Jabalpur division on 9th & 10th October 2013 and other at Sagar (SGO) station of Jabalpur division on 17th & 18th October 2013 have been organized during the month.



A scene of seminar during Vigilance Awareness Week at JBP on 31st October 2013.



A scene of Presentation on Management of Tenders and Contracts during Vigilance Awareness Week at BPL on 30th October 2013.



A scene of seminar during Vigilance Awareness Week in Vigilance Branch HQ on 1st November 2013.



A scene of seminar during Vigilance Awareness Week in Vigilance Branch HQ on 1st November 2013.

November 2013: Two Vigilance camps/ seminars i.e. one at Beohari (BEHR) station of Jabalpur division on 12th & 13th November 2013 and other at Satna (STA) station of Jabalpur division on 18th & 19th November 2013 have been organized during the month.

December 2013: Two Vigilance camps/ seminars i.e. one at Wagon Repair Workshop (WRS) Kota on 24th December 2013 and other at Carriage Rehabilitation Workshops (CRWS) Bhopal on 26th December 2013 have been organized during the month.

January 2014: Two Vigilance camps/ seminars i.e. one at Electric Loco Shed Itarsi on 16th January 2014 and other at Diesel Loco Shed Itarsi on 17th January 2014 have been organized during the month.

February 2014: Two Vigilance camps/ seminars i.e. one at Sr.DEE(TRS)/Electric Loco Shed New Katni on 6th February 2014 and other at Sr.DME(D)/Diesel Loco Shed New Katni on 7th February 2014 have been organized during the month.

March 2014: One Vigilance camp/ seminar at Electric Loco Shed Tuglakabad on 13th March, 2014 has been organized during the month.

1. During the month of July 2013, a workshop was organised in this office on 23.07.2013 for all ministerial staff of Vigilance department during which the staff have been guided on various aspects of vigilance working including the complaint handling mechanism, monitoring of

vigilance related DAR cases, precautions to be taken while issuing vigilance clearance and on issues related to IRVINS. The workshop has been very useful for all the ministerial staff of vigilance department.

2. The Vigilance Awareness Week has been celebrated on this railway from 28.10.2013 to 02.11.2013. The celebration of Vigilance Awareness Week was started by administering the pledge by the General Manager to all HQ officials at 11.00 hrs. on 28.10.2013. During the Vigilance Awareness Week, the Seminars were organized by Vigilance deptt. in the HQ on 28.10.2013, in Kota divn. on 29.10.2013, in Bhopal divn. on 30.10.2013 and in Jabalpur divn. on 31.10.2013. During the seminar in HQ on 28.10.2013, a Vigilance Bulletin for the period from January 2013 to June, 2013 was also released by the General Manager and General Manager has announced an award of ₹ 5,000/- in appreciation of this procurements. In the divisions, Vigilance deptt. also gave Power Point presentation on Management of Tenders and Contracts in which all the officers of divisions and workshops were present along with some senior subordinates as well. Skits were also staged in the Divisions on the evils of corruption and its eradication. Seminar was also organized in Vigilance deptt. at HQ on 01.11.2013 during which SDGM addressed all the officials of the Vigilance Branch and the Enquiry Cell on the evils of corruption and its eradication.
3. During the month of March, 2014, a seminar/workshop has been organized by WCR Vigilance organization on 12th March 2014 on gender sensitization and awareness on sexual harassment of working women at workplace, during which all Officers and staff of Vigilance organization and Enquiry cell have been given awareness & educated about the prevention of such harassment, precautions to be taken & also provisions of punishment under different Acts such as The sexual harassment of women at workplace (prevention, prohibition and redressal) Act, 2013+ & Conduct Rules etc. This has been done as per the directives of Railway Board vide letter No.2014/E(TRG)/23/I dtd.27.01.2014.
5. सतर्कता विभाग द्वारा कार्यालयीय कार्य राजभाषा हिन्दी में अधिकाधिक किया गया है, एवं इस हेतु वर्ष 2012 में राजभाषा के अधिकाधिक प्रयोग हेतु हिन्दी सप्ताह 2013 के अवसर पर महाप्रबंधक द्वारा सतर्कता विभाग को “अन्तर विभागीय राजभाषा शील्ड” प्रदान की गई है। वर्ष 2011 के लिये भी यह शील्ड सतर्कता विभाग को ही मिली थी । इस प्रकार अन्तर विभागीय राजभाषा शील्ड सतर्कता विभाग को लगातार दूसरे वर्ष प्राप्त होने का गौरव प्राप्त हुआ है।



17. सांख्यिकीय/STATISTICAL

पश्चिम मध्य रेल में सांख्यिकीय विभाग वित्त सलाहकार एवं मुख्य लेखा अधिकारी (यातायात) के अधीन एक स्वतंत्र ईकाई के रूप में जोनल आई.टी.सेंटर में वरिष्ठ सांख्यिकीय एवं विश्लेषण अधिकारी के नियंत्रण में स्थापित किया गया है। रेलवे बोर्ड में सांख्यिकीय निदेशालय वित्तीय आयुक्त तथा अतिरिक्त सदस्य (वित्त) के अधीन कार्यकारी निदेशक (सांख्यिकीय एवं आर्थिक) के नियंत्रण में अनेक निदेशक, संयुक्त निदेशक, उपनिदेशक, अनुभाग अधिकारी, सांख्यिकीय निरीक्षक एवं अन्य सचिवालयीन स्टाफ कार्यरत है। जोनल रेलवे के उपयोग हेतु अनेक महत्वपूर्ण त्रैमासिक व वार्षिक रिपोर्टों का प्रकाशन सांख्यिकीय विभाग द्वारा किया जाता है। रेलवे में सांख्यिकीय विभाग सेकंडरी डाटा संकलन करता है। विभिन्न विभागों, स्टेशनों, बुकिंग कार्यालयों, मालगोदाम, लोकोशेड, वर्कशॉप, वैगन रिपेयर डिपो, नियंत्रण कार्यालय आदि स्थानों से संकलित आँकड़ों को वार्षिक, मासिक अथवा 10 दिवसीय आवधिक विवरणों के रूप में प्राप्तकर सांख्यिकीय विभाग द्वारा निर्धारित प्रपत्रों में सारणीबद्ध कर रेलवे बोर्ड में भेजा जाता है।

वास्तव में सांख्यिकीय विधियों का प्रयोग घटनाओं का विश्लेषण करने में तथा महत्वपूर्ण नीति निर्धारण के लिये किया जाता है। भारतीय रेलवे का मुख्य कार्य है - यातायात का उत्पादन और उसका विक्रय करना। चाहे यात्री यातायात हो अथवा माल यातायात, लक्ष्य दोनों में एक ही है कि कम से कम लागत में रेलवे को अधिक से अधिक लाभ देना। सांख्यिकी के माध्यम से रेलवे ने त्रि-आयामी लक्ष्य यथा 1. सकल आय में बढ़ोतरी करना, 2. कार्य कुशलता में दक्षता लाना तथा 3. अनुपार्जक यातायात व कार्यों का पता लगाकर उसे कम करना, इन सभी में सफलता प्राप्त की है तथा इस ओर निरंतर और भी प्रयास किये जा रहे हैं।

पश्चिम मध्य रेल में एकमात्र ब्रॉडगेज व दो कर्षण यथा (1) एसी विद्युत् व (2) डीजल-विद्युत् पर कार्य होता है। अतः सांख्यिकीय विवरण भी इन्हीं पर आधारित होते हैं। सांख्यिकीय नियमावली भाग-1 व भाग-11 के निर्देशानुसार पश्चिम मध्य रेल द्वारा निर्धारित 19 मासिक एवं 44 वार्षिक विवरणों के संकलन का कार्य नियमित रूप से किया जा रहा है। इसके अतिरिक्त इस विभाग द्वारा “महाप्रबंधक की वार्षिक रिपोर्ट” तथा “वित्तीय परिणामों एवं सांख्यिकीय आँकड़ों की पॉकेट बुक” की छपाई का काम भी प्रतिवर्ष किया जाता है। पश्चिम मध्य रेल में सांख्यिकीय विभाग द्वारा ये सभी कार्य अत्यल्प साधनों द्वारा बड़ी ही कुशलता एवं तत्परता से किये जा रहे हैं। इन विवरणों में उपलब्ध आँकड़ों का उपयोग महत्वपूर्ण वार्षिक रेल बजट बनाने में किया जाता है। इसके अतिरिक्त आय-व्यय के विभिन्न परिचालन परिणामों के आधार पर ईकाई लागत की गणना की जाती है। इनका प्रयोग रेलवे की वित्तीय स्थिति में सुधारात्मक प्रयोग करने, कार्य दक्षता बढ़ाने एवं सामाजिक दायित्व का निर्वहन करते हुये आम जनता को कम से कम किराये में यातायात की अधिक से अधिक सुविधा उपलब्ध कराने में किया जाता है।

पश्चिम मध्य रेल में सांख्यिकीय विभाग का संगठनात्मक स्वरूप:-

वित्त सलाहकार एवं मुख्य लेखा अधिकारी - वित्त सलाहकार एवं मुख्य लेखा अधिकारी (यातायात)
वरि.सांख्यिकीय एवं विश्लेषण अधिकारी (वरि.वे.मा.)

स्टाफ संख्या:

संवर्ग	स्वीकृत पद	ऑन रोल	रिक्त पद
लिपिक संवर्ग	07	07	00
निरीक्षक संवर्ग	08	05	03
अन्य संवर्गों में	06	02	04
कुल	21	14	07

Result of Working of Coaching and Goods Traffic - (End Results)

(Figures in ₹)

Description	FY: 2013-14		FY: 2012-13	
	Excl. Interest on capital	Incl. Interest on capital	Excl. Interest on capital	Incl. Interest on capital
A. Coaching Traffic (Figures in ₹)				
Total Coaching Earning (₹ in crores)	2489.95	2489.95	2136.51	2136.51
Working Expenses - Coaching (₹ in crores)	3096.69	3162.49	2449.50	2491.36
Coaching earnings per train Km.	630.89	630.89	557.49	557.49
Cost of hauling a passenger train one Km.	784.63	801.30	639.15	656.32
Profit on working a passenger train one Km.	-153.74	-170.41	-81.66	-98.83
Earnings per coaching vehicle per Km.	15.55	15.55	14.77	14.77
Cost of hauling a coaching vehicle one Km.	19.34	19.75	16.93	17.39
Profit on working a coaching vehicle per Km.	-3.79	-4.20	-2.16	-2.62
Earning per passenger per Km.	0.35	0.35	0.32	0.32
Cost per passenger per Km.	0.44	0.45	0.37	0.38
Profit per passenger per Km.	-0.09	-0.10	-0.05	-0.06
B. Goods Traffic (Figures in ₹)				
Total Goods Earning (₹ in crores)	6247.04	6247.04	5766.00	5766.00
Working Expenses - Goods (₹ in crores)	3111.57	3206.50	2930.12	3025.05
Goods earnings per train Km.	2234.36	2234.36	1993.85	1993.85
Cost of hauling a goods train one Km.	1112.90	1146.86	1013.22	1046.04
Profit on working a goods train one Km.	1121.46	1087.50	980.63	947.81
Earnings per goods wagon per kilometre	45.11	45.11	40.72	40.72
Cost of hauling a goods wagon one Km.	22.47	23.16	20.69	21.37
Profit on working a goods wagon one Km.	22.64	21.95	20.03	19.35
Earnings per goods tonne one Km.	1.14	1.14	1.09	1.09
Cost of hauling one tonne of goods per Km.	0.57	0.59	0.56	0.57
Profit on working a goods tonne one Km.	0.57	0.55	0.53	0.52

कुछ महत्वपूर्ण सांख्यिकीय परिणाम/ **Some Important Statistical Results:**

क्र.सं. Sr. No.	विवरण/ Description	ईकाई/ Unit	2013-14	2012-13
वित्तीय सांख्यिकीय/Financial Statistics:				
1	ब्याजदेय पूँजी/Capital at Charge	₹ in Crores	3745.44	3133.77
2	सकल आय/Gross Earnings	₹ in Crores	8736.99	7902.52
3	कुल संचालन व्यय/Total Working Expenses	₹ in Crores	6208.93	5387.76
4	कुल राजस्व/Net Revenue	₹ in Crores	2575.13	2528.56
5	परिचालन अनुपात/Operating Ratio in %age	Percentage	71.06%	68.18%
स्टेशन संख्या एवं मार्ग किमी./Stations & Route Kilometrage				
1	31 मार्च को स्टेशनों की संख्या/ No. of Stations as on 31 st March	Nos.	294	294
2	31 मार्च को मार्ग किमी./ Route Kilometers as on 31 st March	Kms	2992.07	2991.61
3	31 मार्च को रनिंग ट्रैक किमी./ Running Track KMs as on 31 st March	Kms	4741.89	4721.37
यात्री यातायात सांख्यिकीय/Passenger Traffic Statistics:				
1	आरंभिक यात्री संख्या/Passenger Originating	No. in Lakhs	1425.46	1447.73
2	यात्री किमी./Passenger Kms	Kms in Crore	7309.38	7062.21
3	यात्री परिवहन से प्राप्त आय/ Earning from Passenger carried	₹ in Crore	2330.53	2017.80
4	ढोये गये यात्री संख्या/Passengers Carried	No. in Lakhs	2814.30	2805.29
5	प्रति यात्री औसत गमन दूरी/ Average Lead of a Passenger	Kms	260	252
6	प्रति यात्री प्रति किमी.औसत किराया/ Avg. Rate Charged per Passenger/Km.	Paise	31.03	28.57
माल यातायात सांख्यिकीय/Freight Traffic Statistics:				
1	आरंभिक माल टन/ Freight Tonnes Originating	Tonnes in Lakhs	370.04	369.27
2	माल यातायात टन किमी./ Freight Tonnes Kms	Kms in Crore	5461.64	5277.04
3	ढोये गये माल यातायात से प्राप्त आय/ Earning from Goods carried	₹ in Crore	6056.96	5633.38
4	औसत गमन दूरी/Average lead	Kms	402.00	378.00
5	रेलवे सिस्टम में ढोये गये माल टनेज/ Tonnes Carried on System	Kms in Lakhs	1359.40	1397.03
6	औसत दर/Average Rate	Paise	110.90	106.75

विभागवार कुल स्टाफ व लागत/Department wise No. of staff & cost

Sr. No.	Department	Year	Average No. of Staff employed during the year					Total Wages of staff (₹ in Crores)					Total cost of staff incl.pensionary benefits (₹ in Crores)				
		Group	A	B	C	D	Total	A	B	C	D	Total	A	B	C	D	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	प्रशासन Administration	2013-14	20	18	1538	18	1594	3.55	1.58	51.38	0.32	56.83	4.05	1.78	60.89	0.36	67.07
		2012-13	19	31	1722	12	1784	2.73	1.88	51.53	0.22	56.35	3.17	2.30	60.40	0.22	66.08
2	कार्मिक Personnel	2013-14	13	43	781	0	837	1.18	3.29	30.31	0.00	34.78	1.44	3.48	34.10	0.00	39.02
		2012-13	13	20	724	0	757	1.17	1.36	24.55	0.00	27.08	1.21	1.74	28.05	0.00	31.01
3	लेखा Accounts	2013-14	17	28	752	0	797	2.05	2.44	41.06	0.00	45.55	2.47	3.07	48.08	0.00	53.62
		2012-13	19	28	794	3	844	1.94	1.83	36.53	0.06	40.35	2.12	2.10	42.22	0.06	46.50
4	अभियंत्रिकी Civil Engg.	2013-14	50	81	17119	2	17252	5.08	6.23	476.08	0.04	487.44	6.00	6.76	576.53	0.07	589.36
		2012-13	41	60	17019	2	17122	4.05	4.34	415.23	0.04	423.66	4.25	4.76	496.53	0.04	505.58
5	यांत्रिकी Mech. Engg.	2013-14	22	27	12026	23	12098	2.47	1.82	540.14	0.35	544.79	3.05	2.01	620.10	0.39	625.54
		2012-13	25	26	12067	11	12129	2.59	1.58	446.13	0.20	450.50	2.69	1.80	530.11	0.20	534.80
6	विद्युत यांत्रिकी Elect. Engg.	2013-14	31	35	5867	18	5951	3.37	2.52	227.07	0.32	233.28	3.98	2.77	260.71	0.35	267.81
		2012-13	26	31	5922	12	5991	2.56	2.16	213.18	0.22	218.12	2.68	2.36	244.45	0.29	249.77
7	संकेत व दू.सं. S & T	2013-14	28	40	3540	10	3618	3.44	2.52	132.66	0.18	138.80	4.04	2.82	157.84	0.20	164.90
		2012-13	20	39	3432	11	3502	2.31	2.24	101.43	0.19	106.17	2.40	2.47	119.86	0.19	124.92
8	परिवहन Transportation	2013-14	18	14	8936	6	8974	2.06	1.22	396.87	0.10	400.26	2.46	1.40	471.56	0.12	475.54
		2012-13	15	25	8959	8	9007	2.23	1.63	381.14	0.13	385.12	2.30	1.77	422.32	0.13	426.52
9	वाणिज्य Commercial	2013-14	8	9	3202	2	3221	1.07	0.70	153.05	0.04	154.85	1.36	0.83	183.15	0.04	185.37
		2012-13	9	12	3202	1	3224	1.08	0.76	104.63	0.02	106.48	1.13	0.79	123.79	0.02	125.72
10	भंडार Stores	2013-14	16	25	593	0	634	2.52	2.11	31.71	0.00	36.34	2.80	2.20	35.61	0.00	40.61
		2012-13	10	16	593	0	619	1.28	0.99	22.80	0.00	25.06	1.32	1.06	23.25	0.00	25.62
11	चिकित्सा Medical	2013-14	61	11	1205	0	1277	7.46	0.76	36.54	0.00	44.76	9.37	0.85	43.63	0.00	53.85
		2012-13	61	9	1219	0	1289	6.18	0.62	34.84	0.00	41.64	6.84	0.70	40.85	0.00	48.39
12	रेल सु. बल R.P.F.	2013-14	12	0	1340	0	1352	1.12	0.00	43.01	0.00	44.13	1.39	0.00	49.92	0.00	51.31
		2012-13	13	0	1363	0	1376	1.06	0.00	45.09	0.00	46.15	1.11	0.00	55.54	0.00	56.65
13	कुल प.म.रेल Total WCR	2013-14	296	331	56899	79	57605	35.38	25.18	2159.89	1.34	2221.80	42.41	27.97	2542.12	1.51	2614.02
		2012-13	271	297	57016	60	57644	29.16	19.40	1877.07	1.07	1926.71	31.22	21.83	2187.36	1.14	2241.56

Sr. No.	Department	Year	Average No. of Staff employed during the year					Average Wages per Employee as per Col.9 to 13 (₹ in Lakhs)					Average Cost per Employee as per Col.14 to 18 (₹ in Lakhs)				
		Group	A	B	C	D	Total	A	B	C	D	Total	A	B	C	D	Total
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1	प्रशासन Administration	2013-14	20	18	1538	18	1594	17.75	8.76	3.34	1.79	3.57	20.25	9.87	3.96	1.98	4.21
		2012-13	19	31	1722	12	1784	14.36	6.06	2.99	1.79	3.16	16.67	7.41	3.51	1.80	3.70
2	कार्मिक Personnel	2013-14	13	43	781	0	837	9.10	7.64	3.88	0.00	4.16	11.08	8.10	4.37	0.00	4.66
		2012-13	13	20	724	0	757	9.02	6.79	3.39	0.00	3.58	9.34	8.70	3.87	0.00	4.10
3	लेखा Accounts	2013-14	17	28	752	0	797	12.04	8.72	5.46	0.00	5.72	14.53	10.96	6.39	0.00	6.73
		2012-13	19	28	794	3	844	10.20	6.55	4.60	1.90	4.78	11.18	7.49	5.32	1.94	5.51
4	अभियंत्रिकी Civil Engg.	2013-14	50	81	17119	2	17252	10.17	7.70	2.78	1.91	2.83	12.00	8.35	3.37	3.29	3.42
		2012-13	41	60	17019	2	17122	9.87	7.24	2.44	1.94	2.47	10.37	7.93	2.92	1.94	2.95
5	यांत्रिकी Mech. Engg.	2013-14	22	27	12026	23	12098	11.25	6.75	4.49	1.54	4.50	13.87	7.43	5.16	1.69	5.17
		2012-13	25	26	12067	11	12129	10.34	6.08	3.70	1.86	3.71	10.76	6.93	4.39	1.86	4.41
6	विद्युत यांत्रिकी Elect. Engg.	2013-14	31	35	5867	18	5951	10.86	7.21	3.87	1.76	3.92	12.84	7.90	4.44	1.94	4.50
		2012-13	26	31	5922	12	5991	9.86	6.97	3.60	1.83	3.64	10.30	7.60	4.13	2.43	4.17
7	संकेत व दू.सं. S & T	2013-14	28	40	3540	10	3618	12.30	6.30	3.75	1.78	3.84	14.44	7.06	4.46	1.97	4.56
		2012-13	20	39	3432	11	3502	11.53	5.76	2.96	1.69	3.03	11.98	6.33	3.49	1.69	3.57
8	परिवहन Transportation	2013-14	18	14	8936	6	8974	11.47	8.72	4.44	1.63	4.46	13.67	10.03	5.28	1.94	5.30
		2012-13	15	25	8959	8	9007	14.88	6.52	4.25	1.59	4.28	15.36	7.07	4.71	1.62	4.74
9	वाणिज्य Commercial	2013-14	8	9	3202	2	3221	13.38	7.73	4.78	1.79	4.81	16.95	9.22	5.72	1.97	5.76
		2012-13	9	12	3202	1	3224	11.95	6.29	3.27	1.95	3.30	12.51	6.58	3.87	1.95	3.90
10	भंडार Stores	2013-14	16	25	593	0	634	15.75	8.43	5.35	0.00	5.73	17.50	8.79	6.00	0.00	6.40
		2012-13	10	16	593	0	619	12.79	6.18	3.84	0.00	4.05	13.16	6.60	3.92	0.00	4.14
11	चिकित्सा Medical	2013-14	61	11	1205	0	1277	12.23	6.89	3.03	0.00	3.51	15.36	7.76	3.62	0.00	4.22
		2012-13	61	9	1219	0	1289	10.13	6.94	2.86	0.00	3.23	11.22	7.80	3.35	0.00	3.75
12	रेल सु. बल R.P.F.	2013-14	12	0	1340	0	1352	9.30	0.00	3.21	0.00	3.26	11.59	0.00	3.73	0.00	3.80
		2012-13	13	0	1363	0	1376	8.12	0.00	3.31	0.00	3.35	8.53	0.00	4.07	0.00	4.12
13	कुल प.म.रेल Total WCR	2013-14	296	331	56899	79	57605	11.95	7.61	3.80	1.70	3.86	14.33	8.45	4.47	1.92	4.54
		2012-13	271	297	57016	60	57644	10.76	6.53	3.29	1.78	3.34	11.52	7.35	3.84	1.91	3.89

ग्रुप वार कुल स्टाफ संख्या एवं लागत/Group wise Total Number of Staff & Cost

कुल स्टाफ संख्या व लागत	ग्रुप / वर्ष	2013-14	2012-13	2011-12	2010-11	2009-10
वर्ष में औसत स्टाफ संख्या Average No. of Staff during the year	ग्रुप "A"	296	271	280	278	244
	ग्रुप "B"	331	297	344	334	317
	ग्रुप "C"	56899	57016	55645	56517	57519
	ग्रुप "D"	79	60	44	43	22
	कुल योग/Total	57605	57644	56313	57172	58102
कुल लागत पेंशन सहित (₹ हजार में) Total Cost Incl. Pension (in Thousands)	ग्रुप "A"	42.41	31.22	27.75	27.01	24.70
	ग्रुप "B"	27.97	21.83	21.11	17.84	17.94
	ग्रुप "C"	2542.12	2187.36	2059.38	2170.12	2215.14
	ग्रुप "D"	1.51	1.14	0.85	0.45	0.28
	कुल योग/Total	2614.02	2241.56	2109.09	2215.43	2258.07
औसत लागत प्रति कर्मचारी प्रति वर्ष (₹ में) Average Cost Per Employee (in ₹)	ग्रुप "A"	14.33	11.52	9.91	9.72	10.12
	ग्रुप "B"	8.45	7.35	6.14	5.34	5.66
	ग्रुप "C"	4.47	3.84	3.70	3.84	3.85
	ग्रुप "D"	1.92	1.91	1.93	1.05	1.30
	कुल योग/Total	4.54	3.89	3.75	3.88	3.89

टन किमी./Tonne Kilometrage:

(Fig. in Thousands)

विवरण/Description	डीजल विद्युत्/Diesel Electric		एसी विद्युत्/A.C. Electric		सभी कर्षण/All Traction	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
निवल टन किमी (गुड्स)/ NTKms (Goods)	10451425	10083325	44123167	42635998	54574592	52719323
सकल टन किमी (इंजिन भार एवं विभागीय रहित) GTKMs (excl. Weight of engine & departmental)						
i यात्री यातायात/ Passenger Traffic	2100365	17212761	24626708	24653864	45628073	41866625
ii माल यातायात/ Goods Traffic	17903003	20809828	71597518	83682559	89500521	104492387
सकल टन किमी (इंजिन भार सहित एवं विभागीय रहित) GTKMs (incl. Weight of engine but excl. departmental)						
i यात्री यातायात/ Passenger Traffic	23227290	19335835	27169118	27183831	50396408	46519666
ii माल यातायात/ Goods Traffic	19256073	21700258	75223130	87693043	94479203	109393301
सकल टन किमी (इंजिन भार एवं विभागीय सहित) GTKMs (incl. Weight of engine & departmental)						
i यात्री यातायात/ Passenger Traffic	23241582	19346630	27174263	27187303	50415845	46533933
ii माल यातायात/ Goods Traffic	19270082	22221016	75227347	87696830	94497429	109917846

मालगाड़ी निष्पादन/Goods Train Performance-
(Fig. in Thousands)

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ AC Electric		सभी कर्षण/ All Traction	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
मालगाड़ी औसत प्रतिदिन/ Trains Avg/day		133.3		410.1		543.4
मालगाड़ी किमी/ Goods Train Kilometres	6354	6052	21605	22868	27959	28920
मालगाड़ी घंटे/ Goods Train Engine Hours	181	187	555	607	736	794
औसत गति/ Average Speed (KMPH)	35.1	32.4	38.9	37.7	38.0	36.4
लोडेड वैगन किमी/ Loaded Wagon Kms	183201	186716	791280	829651	974481	1016367
खाली वैगन किमी/ Empty Wagon Kms	121265	122962	275397	276553	396662	399515
कुल वैगन किमी/ Total Wagon Kms	304466	309678	1066677	1106204	1371143	1415882

यात्री गाड़ी निष्पादन/Passenger Train Performance-
(Fig. in Thousands)

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ AC Electric		सभी कर्षण/ All Traction	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
यात्रीगाड़ी औसत प्रतिदिन/ Trains Avg/ day	351.6	333.7	414.2	411.0	765.8	744.7
यात्रीगाड़ी किमी/ Passenger Train Kms	17737	16721	21730	21624	39467	38345
यात्रीगाड़ी घंटे/ Passenger Train Hours	376.7	323.5	379.3	351.5	756.0	675.5
औसत गति/ Average Speed (KMPH)	47.1	51.6	57.3	61.5	52.2	56.8
व्हीकल किमी/ Vehicle Kms	736890	636372	864095	871397	1600985	1507769

इंजिन किमी./Engine Kilometres -
(Fig. in Thousands)

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ AC Electric		सभी कर्षण/ All Traction	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
a यात्री इंजिनकिमी/ Passenger EKms	19630	18146	21730	21624	41360	39770
b गुड्स इंजिन.किमी/ Goods EKms	10968	11358	30988	30949	41956	42307
c विभागीय इंजिन किमी/ Departmental Engine Kms.	279	371	94	118	373	489
d कुल इंजिन किमी/ Total Engine Kms.	30877	29875	52812	52691	83689	82566

गाड़ी किमी./Train Kilometres: (in units)

मंडल/ Division	कर्षण/ Traction	मेल एक्सप्रेस/ Mail/Express	अन्य पैसेंजर/ Oth Passenger	कुल पैसेंजर/ All Passenger	मालगाड़ी/ Total Goods	विभागीय/ Deptl.	कुलयोग/ All Services
Year 2013-14							
भोपाल/BPL	Electric	9425535	1045878	10471413	5440099	16467	15927979
	Diesel	2201666	482579	2684245	892505	46859	3623609
	Total	11627201	1528457	13155658	6332604	63326	19551588
कोटा/KOTA	Electric	7409397	1499166	8908563	11186428	549	20095540
	Diesel	1031735	901238	1932973	717186	204	2650363
	Total	8441132	2400404	10841536	11903614	753	22745903
जबलपुर/JBP	Electric	1707142	642518	2349660	4978853	76242	7404755
	Diesel	10950307	2169364	13119671	4744716	218568	18082955
	Total	12657449	2811882	15469331	9723569	294810	25487710
योग पमरेल/ Total WCR	Electric	18542074	3187562	21729636	21605380	93258	43428274
	Diesel	14183708	3553181	17736889	6354407	265631	24356927
	Total	32725782	6740743	39466525	27959787	358889	67785201
Year 2012-13							
भोपाल/BPL	Electric	9569183	1145571	10714754	6044890	9815	16769459
	Diesel	1915004	464641	2379645	767801	45385	3192831
	Total	11484187	1610212	13094399	6812691	55200	19962290
कोटा/KOTA	Electric	7220882	1504998	8725880	11727358	4063	20457301
	Diesel	814885	819508	1634393	517400	1069	2152862
	Total	8035767	2324506	10360273	12244758	5132	22610163
जबलपुर/JBP	Electric	1665845	518194	2184039	5095362	31482	7310883
	Diesel	10680164	2026480	12706644	4766393	88747	17561784
	Total	12346009	2544674	14890683	9861755	120229	24872667
योग पमरेल/ Total WCR	Electric	18455910	3168763	21624673	22867610	45360	44537643
	Diesel	13410053	3310629	16720682	6051594	135201	22907477
	Total	31865963	6479392	38345355	28919204	180561	67445120

व्हीकल किमी./Vehicle Kilometres:-
(Fig. in Thousands)

विवरण/Description	डीजल विद्युत्/Diesel Electric		एसी विद्युत्/A.C. Electric		सभी कर्षण/All Tractions	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
1	2	3	4	5	6	7
यात्री कोचिंग व्हीकल/Passenger Coaching Vehicles						
(i) एसी प्रथम/AC First Class	5512	4,747	17080	17,238	22592	21,984
(ii) प्रथम/First Class	0	0	160	161	160	161
(iii) एसी 2टियर/AC 2 Tier Sleeper	31818	27,401	56400	56,919	88217	84,320
(iv) एसी 3टियर/AC 3 Tier Sleeper	47980	41,321	107459	1,08,448	155439	1,49,768
(v) एसी चेअरकार/AC Chair Car	1200	1,033	1561	1,575	2760	2,608
(vi) स्लीपर/Sleeper Class	314292	2,70,669	399665	4,03,341	713957	6,74,010
(vii) अन्य द्वितीय/ Second Class	320893	2,76,354	244652	2,46,902	565545	5,23,256
(viii) टूरिस्ट,कार/Tourist Car/Saloon	0	0	0	0	0	0
(ix) कुल पीसीवीकिमी/Total PCV KMs.	721694	6,21,525	826977	8,34,583	1548671	14,56,108
(x) कुल ओसीवी किमी/Total OCV KMs	15196	14,847	37118	36,814	52314	51,661
(xi) कुल व्हीकल किमी/Total VKms	736890	6,36,372	864095	8,71,397	1600985	15,07,769

इंजिन उपयोगिता (क्षेत्रीय आधार पर)/Engine Utilization (Territorial basis)-

वर्ष/Year		2013-14			2012-13		
सेवा/Service	Traction	Holding	Engine Kms	Usage	Holding	Engine Kms	Usage
पैसेंजर/ Passenger	Diesel	82.5	30195516	1003	89.0	35266818	1086
	AC Electric	107.6	39102362	996	88.8	30470711	940
गुड्स/ Goods	Diesel	133.0	20771011	428	124.0	19413408	429
	AC Electric	405.9	97781310	660	403.4	88777519	603
कुल योग/ All services	Diesel	272.9	50217237	513	268.2	52077134	532
	AC Electric	513.4	115807638	618	492.7	109522042	609

दक्षता/Efficiency-

आयटम/ITEMS		2013-14	2012-13
नेट टन किमी प्रति वैगन दिवस(इन यूज)/NTkms/Wagon day in use (8 wh unit)		12163.3	10648.6
वैगन किमी प्रति वैगन दिवस(इन यूज)/Wagon kms/ wagon day in use (In terms of 8 wh)		305.7	285.6
वैगन किमी/वैगन दिवस(ऑन लाइन)/Wagon kms/wagon day on line (In terms of 8 wh)		286.9	269.8
औसत मालडिब्बा भार/Average wagon load during the run - All traffic (In Tonnes)		56.0	52.0
व्हीकल किमी प्रति व्हीकल दिवस/Vehicles Kms/vehicle day (4 wh unit)			519.8
यात्री कोचिंग व्हीकल/Passenger Coaching Vehicle		562.6	521.9
अन्य कोचिंग व्हीकल/Other Coaching Vehicle		367.1	350.8
नेट टन किमी/गुड्स लोको दिन (इन यूज)/NTKms/goods Loco day in use	विद्युत्/Electric	432631	505169
	डीजल/Diesel	305278	348886
	कुलयोग/Total	391976	457138
नेट टन किमी/गुड्स लोको दिन (ऑन लाईन)/NTKms/goods Loco day on line	विद्युत्/Electric	399475	470101
	डीजल/Diesel	256293	292729
	कुलयोग/Total	350756	411602

TRAFFIC COSTING BRANCH:

On Indian Railways Traffic Costing Branch is an independent unit functioning under FA&CAO and headed by Traffic Costing Officer but on WCR the branch is functional under control of Sr.Statistics & Analysis Officer itself. Statistical wing provides various performance data tabulated in five groups of statistics maintained in the form of 19 Monthly and 45 Annual Statistical Statements for use of Traffic Costing Branch for co-relating them with expenditure and preparing various cost studies on annual basis.

Objective of traffic costing is to provide data essential for a wide field of management decisions and for the formulation of national policy in the transport field. The basic objectives of Traffic Costing are-

- i. to provide basic data for rate making;
- ii. to help in carrying out the profitability analysis of existing and potential traffic;
- iii. to create cost consciousness and help in cost control; and
- iv. to provide data for project appraisals and evaluation of further capital investment.

Traffic costing relies heavily on Railway statistics for basic data about Railways performance. Annual Statistical Statement No.15 which gives the result of working of Coaching & Goods services on Indian Railways provides the background material for traffic costing. This contains the information as-

- i. cost of hauling a passenger train & passenger vehicle over one kilometer
- ii. cost of hauling a goods train & goods wagon over one kilometer and
- iii. Cost of hauling a tonne over one kilometre.

Organizational Set up of Traffic Costing Branch on West Central Railway is as under-

Sr. No.	Cadre	No. of Staff		Remarks
		Sanctioned	On Roll	
1	Gazetted	Nil	Nil	Looked after by Sr. Statistics & Analysis Officer
2	Non-Gazetted			Entire work is looked after by One AA & One JAA posted by accounts department
	i. Traffic Costing Inspectors	Nil	Nil	
	ii. AA / JAA	2	2	

PROFITABILITY OF COACHING SERVICE WISE:-**Passenger Service – (A) Mail Express**

Sr. No.	Services	Profit / (-) Loss (in ₹)	
		2013-14	2012-13
1	AC First Class	-978.94	-574.19
2	AC Sleeper	6092.23	7076.20
3	AC 3tier	22620.97	20560.27
4	AC Chair Car	1542.38	1580.11
5	First Class	13.26	11.68
6	Sleeper Class	-35210.48	-21157.15
7	Second Class	-8980.75	-1425.55
8	Total Mail Express	-14901.33	6071.37

Passenger Service – (B) Ordinary Passenger

Sr. No.	Services	Profit / (-) Loss (in ₹)	
		2013-14	2012-13
1	First Class	-418.66	-232.97
2	Sleeper Class	-3299.52	-2688.96
3	Second Class	-40428.72	-31730.98
4	Total Ordinary	-44146.90	-34743.90
5	Total Passenger Service	-59048.23	-28672.53

Passenger Service – (C) Other Coaching

Sr. No.	Services	Profit / (-) Loss (in ₹)	
		2013-14	2012-13
1	Parcel & Luggage	-6888.97	-7770.77
3	Catering Services	-5013.58	-2959.62
4	Total Coaching Services	-70950.78	-39402.91
5	Sundry	3696.40	3918.19
	Grand Total	-67254.38	-35484.72

COACHING UNIT COST -**PASSENGER SERVICE:**

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Line Haul -Running Cost Per VKM.	17.30	14.30
2	Line Haul -Running Cost Per 1000 GTKMS	606.88	515.26
3	Terminal -Booking Cost Per Passenger Originating	0.97	2.10
4	Terminal -Ticket Checking Cost Per Passenger Carried	3.75	2.68
5	Terminal -Enquiry & Reservation Cost Per Passenger Carried	0.45	0.84
6	Terminal - Spl. Services Cost Per Pass. Carried	0.94	2.09
7	Terminal - Misc. Services Cost Per Passenger Carried	5.27	2.50
8	Total Terminal Cost Per Passenger Carried	10.90	9.19
9	Total Overall Passenger Service Cost Per Vehicle Kilometre	19.28	16.08
10	Total Overall Cost Per Passenger Carried	106.09	83.44

PARCEL, LUGGAGE & POSTAL SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Line Haul - Running Cost Per Quintal.	22.04	19.41
2	Line Haul - Running Cost Per 1000 GTKMS.	773.22	696.13
3	Terminal Cost Per VKM.	11.53	12.58
4	Total Parcel Luggage & Postal Cost Per VKM.	33.57	31.99

CATERING SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Line Haul - Running Cost Per Dining Car Kms.	11.22	9.93
2	Terminal Cost Per Passenger Carried	1.34	0.73
3	Total Catering Service Cost Per VKM	34.74	22.78
4	Total Catering Service Cost Per Passenger Carried	1.98	1.29

OVERALL COST OF COACHING SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Total Overall Cost of Coaching Service Per Vehicle Kilometre	19.76	16.52
2	Total Line Haul Cost Per Passenger Km.	0.37	0.29
3	Total Terminal Cost Per Passenger Originating	21.53	17.83
4	Total Overall (Running & Terminal) Cost Per Passenger/Km.	0.41	0.33

GOODS UNIT COST

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Cost of Documentation Per Invoice	283.40	273.42
2	Cost of Other Terminal Services Per Tonne (Full Loads)	39.15	25.94
3	Cost of Other Terminal Services Per Wagon (Full Loads)	1283.19	827.94
4	Cost of Marshalling Per Wagon Per Yard Handled	3.37	24.78
5	Cost of Wagon Maintenance Per Wagon Day	704.40	621.55
6	Cost of Line Haul-Other Transportation (Exp. Incl. Train Passing Staff Per Train Kms)	101.45	96.48
7	Cost of Line Haul-Other Transportation (Exp. Incl. Train Passing Staff Per 1000 GTKM)	31.82	26.80
8	Cost of Line Haul-Track & Signalling Per Train Kms	148.81	130.96
9	Cost of Line Haul-Track & Signalling Per 1000 GTKM	46.68	36.39
10	Percentage of General Overhead Charges To Total Expenses	30.08	29.02
11	Percentage of Central Charges To Total Expenses (Incl. Overhead Charges)	0.35	0.34

COST OF LINE HAUL (per 1000 GTKMs)

Sr. No.	Particulars	Unit Cost (in ₹)	
		2013-14	2012-13
1	Cost of Line Haul Per 1000 GTKMs Coaching (Diesel)	408.33	338.60
2	Cost of Line Haul Per 1000 GTKMs Coaching (Electric)	122.07	115.41
3	Cost of Line Haul Per 1000 GTKMs Goods (Diesel)	230.89	187.11
4	Cost of Line Haul Per 1000 GTKMs Goods (Electric)	81.54	93.33

ANNEXURE- I

DIVISION WISE, SECTION WISE WITH SERVICE WISE ANNUAL GMT ON WCR FOR THE YEAR 2013-14

Sr. No.	Section	Dir	Classification of Route	Divn	Route Kms	GTKMs including Weight of Engines				GTKM per route Km per Day	Annual GMT
						Passenger Service	Goods Service	Total GTKMs	Million GTKM		
1	2	3	4	5	6	7	8	9	10	11	12
1	KNW - ET	DN	"B" Route	BPL	183.42	2572009238	1746486807	4318496044	4318.50	64504.94	23.54
2	ET - KNW	UP	"B" Route	BPL	183.42	2568833040	2340316949	4909149989	4909.15	73327.48	26.76
3	ET - BPL	DN	"A" Route	BPL	96.75	1835546367	2354615459	4190161826	4190.16	118655.25	43.31
4	BPL - ET	UP	"A" Route	BPL	91.65	1772138913	2473597316	4245736229	4245.74	126919.30	46.33
5	BPL - BIN	DN	"A" Route	BPL	138.38	2677339314	3601226918	6278566232	6278.57	124306.63	45.37
6	BIN - BPL	UP	"A" Route	BPL	138.38	2665685228	3954108551	6619793780	6619.79	131062.45	47.84
7	BIN - RTA	S/L	"D" Route	BPL	138.84	472412341	2441525551	2913937893	2913.94	57500.66	20.99
8	RTA - BIN	S/L	"D" Route	BPL	138.84	477867382	1514679134	1992546516	1992.55	39318.87	14.35
9	RTA - MKC	S/L	"E" Route	BPL	193.80	346854459	208269177	555123637	555.12	7847.71	2.86
10	MKC - RTA	S/L	"E" Route	BPL	193.80	356346352	241070635	597416987	597.42	8445.61	3.08
11	GUN - GWL	S/L	"E" Route	BPL	227.46	309063122	98112958	407176080	407.18	4904.38	1.79
12	GWL - GUN	S/L	"E" Route	BPL	227.46	318899877	107772041	426671918	426.67	5139.21	1.88
			Total BPL division		978.65	16372995634	21081781497	37454777131	37454.78	104854.47	38.27
13	ET - JBP	DN	"B" Route	JBP	245.15	3936584575	1019076344	4955660920	4955.66	55383.04	20.21
14	JBP - ET	UP	"B" Route	JBP	245.81	3953678523	1309487128	5263165650	5263.17	58661.70	21.41
15	JBP - KTE	DN	"B" Route	JBP	90.79	1636245166	183802474	1820047640	1820.05	54922.70	20.05
16	KTE - JBP	UP	"B" Route	JBP	90.79	1636761071	297297880	1934058951	1934.06	58363.16	21.30
17	KTE - STA	DN	"B" Route	JBP	98.20	1654764565	1951009127	3605773692	3605.77	100599.10	36.72
18	STA - KTE	UP	"B" Route	JBP	98.20	1654591971	1051884440	2706476410	2706.48	75509.20	27.56
19	STA - MKP	DN	"B" Route	JBP	77.45	1181142068	1786098246	2967240313	2967.24	104963.53	38.31
20	MKP - STA	UP	"B" Route	JBP	77.45	1181006458	659327616	1840334073	1840.33	65100.21	23.76
21	STA - REW	S/L	"E" Route	JBP	49.20	122919193	346725706	469644899	469.64	26152.41	9.55

Sr. No.	Section	Dir	Classification of Route	Divn	Route Kms	GTKMs including Weight of Engines				GTKM per route Km per Day	Annual GMT
						Passenger Service	Goods Service	Total GTKMs	Million GTKM		
1	2	3	4	5	6	7	8	9	10	11	12
22	REW - STA	S/L	"E" Route	JBP	49.20	122919193	564686176	687605369	687.61	38289.64	13.98
23	BIN - KTE	DN	"D" Route	JBP	262.81	1952423985	5664646676	7617070660	7617.07	79405.98	28.98
24	KTE - BIN	UP	"D" Route	JBP	262.81	2023429638	13140759911	15164189549	15164.19	158082.74	57.70
25	JKE-KYCE	S/L	Unclassified	JBP	21.00	0	48970633	48970633	48.97	6388.86	2.33
26	KYCE-JKE	S/L	Unclassified	JBP	21.00	0	94676843	94676843	94.68	12351.84	4.51
27	KTE - SGRL	S/L	"E" Route	JBP	260.65	300522522	1975113350	2275635873	2275.64	23919.50	8.73
28	SGRL - KTE	S/L	"E" Route	JBP	260.65	300522522	2894616710	3195139232	3195.14	33584.52	12.26
			Total JBP division		1105.25	21657511450	32988179260	54645690709	54645.69	135457.34	49.44
29	NAD - KTT	DN	"A" Route	KOTA	224.98	2165698321	7680547989	9846246310	9846.25	119904.07	43.76
30	KTT - NAD	UP	"A" Route	KOTA	224.98	2165697734	7016648523	9182346257	9182.35	111819.33	40.81
31	KTT - GGC	DN	"A" Route	KOTA	171.37	2029963936	6065557885	8095521821	8095.52	129424.71	47.24
32	GGC - KTT	UP	"A" Route	KOTA	171.37	2029963936	5805323545	7835287481	7835.29	125264.29	45.72
33	GGC - BXN	DN	"A" Route	KOTA	77.22	691913312	2361986447	3053899758	3053.90	108350.80	39.55
34	BXN - GGC	UP	"A" Route	KOTA	77.22	691913194	2406348256	3098261450	3098.26	109924.73	40.12
35	BXN - MTJ	DN	"A" Route	KOTA	75.41	675409721	2306622610	2982032331	2982.03	108340.43	39.54
36	MTJ - BXN	UP	"A" Route	KOTA	75.41	675409721	2349944600	3025354321	3025.35	109914.36	40.12
37	KTT - RTA	S/L	"D" Route	KOTA	164.26	369055025	2759709315	3128764340	3128.76	52185.30	19.05
38	RTA - KTT	S/L	"D" Route	KOTA	164.26	368185785	979743904	1347929689	1347.93	22482.39	8.21
39	KTT - CNA	S/L	"D" Route	KOTA	158.25	251345118	337953535	589298653	589.30	10202.32	3.72
40	CNA - KTT	S/L	"D" Route	KOTA	158.25	251345118	338855635	590200753	590.20	10217.94	3.73
			Total KOTA division		718.86	12365900921	40409242243	52775143164	52775.14	165910.61	60.56
			Total WCR		2964.84	50396408004	94479203000	144875611004	144875.61	133875.52	48.86

ANNEXURE-II

DENSITY OF COACHING AND GOODS TRAFFIC SECTION WISE ON WEST CENTRAL RAILWAY FOR THE YEAR 2013-14

Sr. No.	Section	Route Kilometerage of the section		Single Line/ Double Line	Electrified/ Non-Electrified	Average Daily No. of Coaching Trains run on the section		Avg Daily No. of Vehicles in terms of 4Wh run on the section		Average Daily No. of Goods Trains run on the section		Avg Daily No. of Wagons (in 4wh) run on the section		NTKMs per route kilometer per day			Gross Tonne Kilometers (incl. Wt of engine) of Goods service per route km/day	
		UP	DN			UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	UP&DN	UP	DN
Broad Gauge		UP	DN			UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	UP&DN	UP	DN
Bhopal Division																		
1	ET - KNW	183.42	183.42	Double	Electrified	28.24	28.14	1230	1232	9.41	7.97	489	417	20913	14701	35614	34957	26087
2	BPL - ET	91.65	96.75	Double	Electrified	39.49	38.67	1696	1665	24.05	19.05	1270	1005	40029	40073	80102	73944	66677
3	BIN - BPL	138.38	138.38	Double	Electrified	39.91	40.08	1687	1695	23.15	20.92	1282	1128	43732	44535	88267	78286	71299
4	RTA - BIN	138.84	138.84	Single	Electrified	11.72	11.62	281	278	11.57	11.52	654	708	11659	29017	40676	29889	48179
5	MKC - RTA	193.80	193.80	Single	Non-Elect	5.54	5.40	153	149	1.25	1.54	57	79	2012	1097	3109	3408	2944
6	GWL - GUN	227.46	227.46	Single	Non-Elect	4.27	4.14	116	113	0.84	0.34	45	14	85	700	785	1298	1182
Jabalpur Division																		
7	JBP - ET	245.81	245.15	Double	Non-Elect	30.94	31.02	1408	1405	4.34	3.30	201	153	8436	6733	15169	14595	11389
8	KTE - JBP	90.79	90.79	Double	Non-Elect	35.28	35.27	1575	1574	2.59	1.69	129	80	5039	3096	8135	8971	5547
9	STA - KTE	98.20	98.20	Double	Non-Elect	31.82	31.83	1478	1478	12.14	14.79	511	724	13087	32536	45623	29347	54432
10	MKP - STA	77.45	77.45	Double	Non-Elect	28.41	28.42	1339	1339	14.51	16.02	537	743	5547	41067	46614	23323	63182
11	REW - STA	49.20	49.20	Single	Non-Elect	5.49	5.49	216	216	8.52	9.06	399	374	19425	7232	26657	31445	19308
12	KTE - BIN	262.81	262.81	Double	Electrified	14.74	14.50	682	657	27.82	28.08	1568	1495	86727	14528	101255	136989	59052
13	KYCE-JKE	21.00	21.00	Single	Non-Elect	0.00	0.00	0	0	2.91	3.01	149	139	7929	1896	9825	12352	6389
14	SGRL - KTE	260.65	260.65	Single	Non-Elect	3.62	3.62	94	94	7.12	7.02	384	342	18986	10091	29077	30426	20761
Kota Division																		
15	KTT - NAD	224.98	224.98	Double	Electrified	21.97	21.97	835	981	25.38	26.66	1142	1190	53161	56319	109480	85446	93531
16	GGC - KTT	171.37	171.37	Double	Electrified	27.70	27.70	1024	1024	28.02	28.35	1278	1296	57155	62217	119372	92811	96971
17	BXN - GGC	77.22	77.22	Double	Electrified	21.28	21.28	774	774	25.34	24.46	1176	1137	55023	51638	106661	85376	83802
18	MTJ - BXN	75.41	75.41	Double	Electrified	21.27	21.27	773	773	25.34	24.46	1176	1137	55023	51638	106661	85376	83802
19	RTA - KTT	164.26	164.26	Single	Electrified	6.93	6.93	186	187	4.24	14.03	207	652	9750	27464	37214	16341	46030
20	CNA - KTT	158.25	158.25	Single	Non-Elect	4.89	4.89	132	132	2.02	2.04	85	85	3303	3382	6685	5866	5851

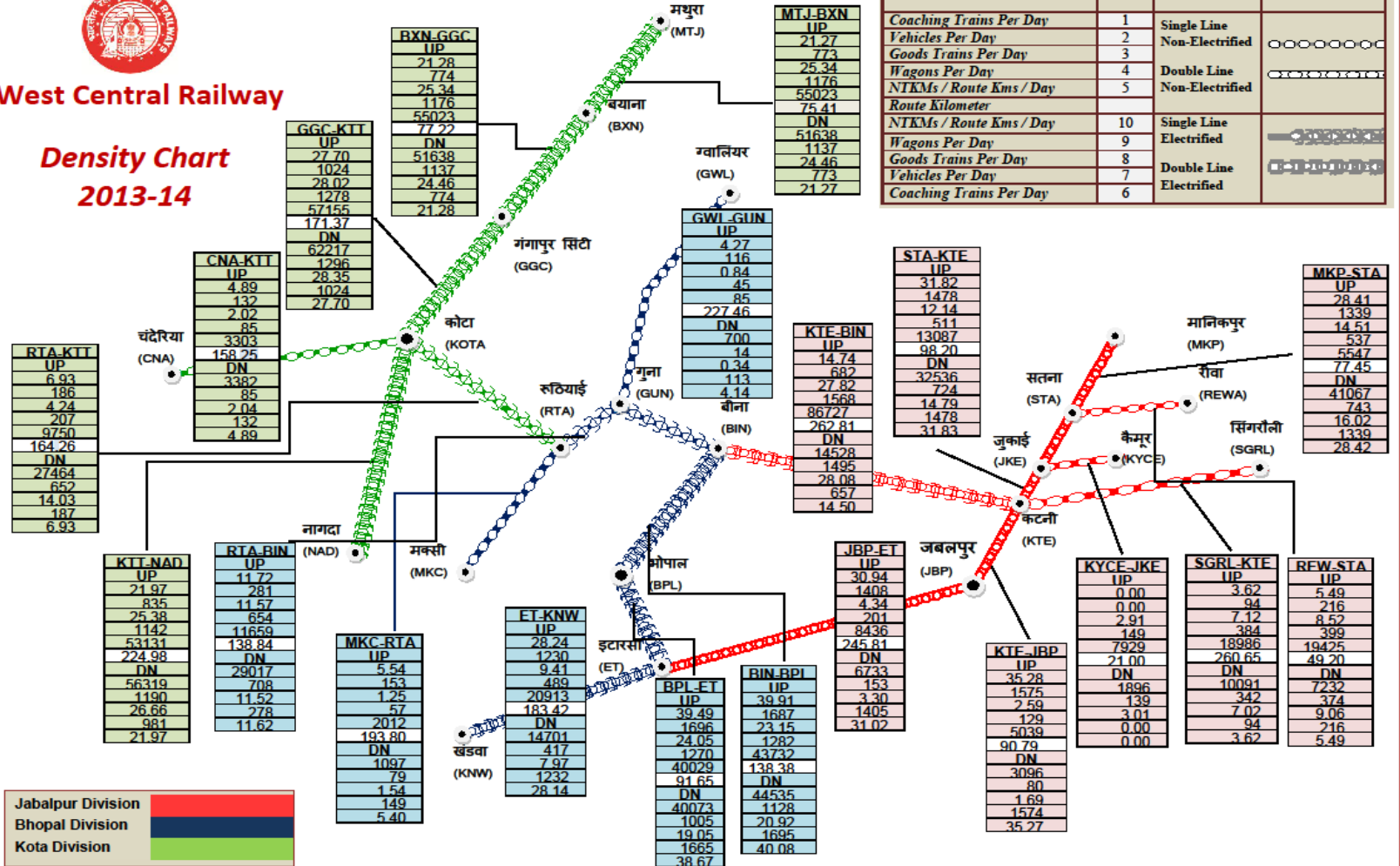
DENSITY OF COACHING AND GOODS TRAFFIC SECTION WISE ON WEST CENTRAL RAILWAY FOR THE YEAR 2013-14

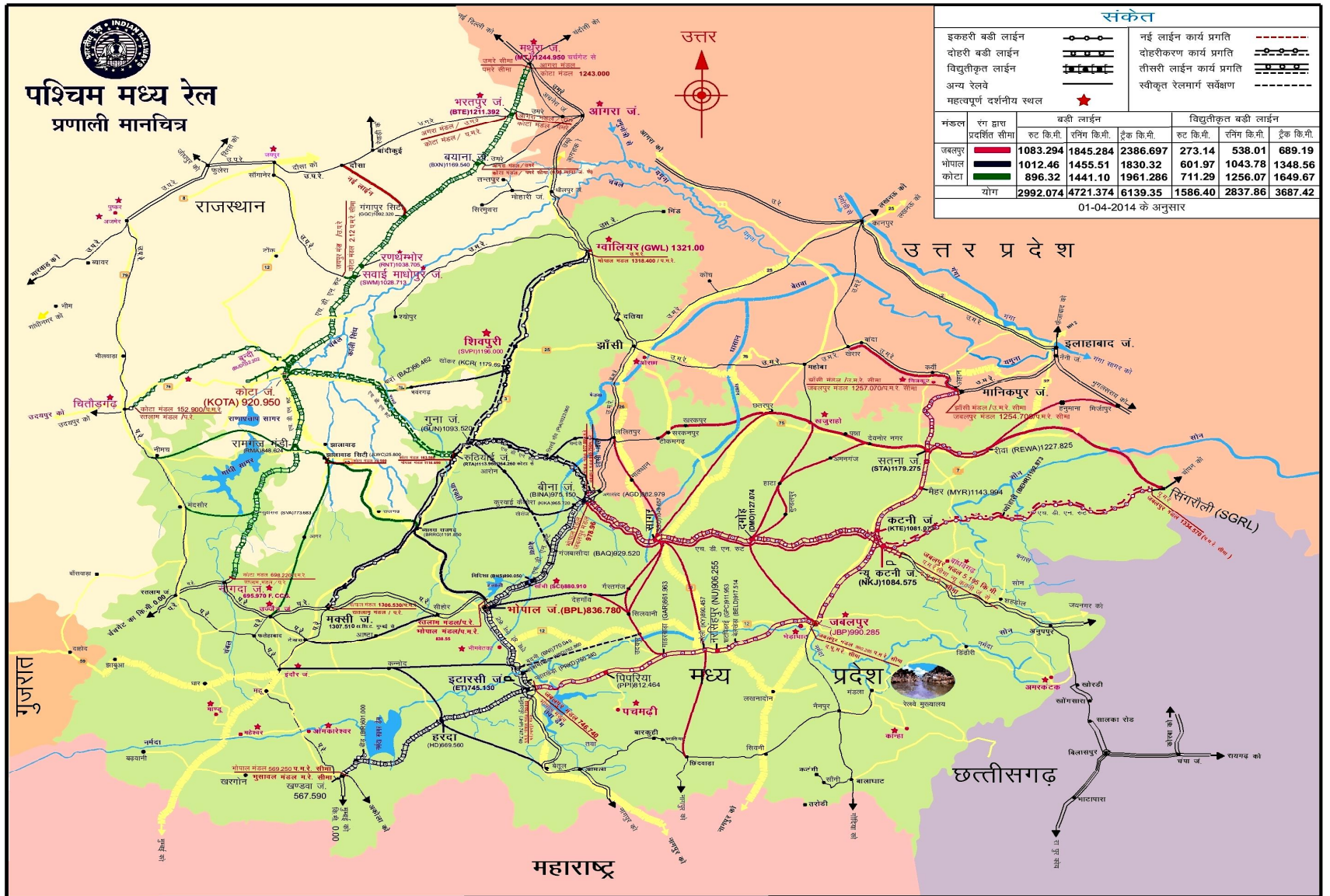
DENSITY OF COACHING AND GOODS TRAFFIC SECTION WISE ON WEST CENTRAL RAILWAY FOR THE YEAR 2013-14																
Sr. No.	Section	Route Kilometerage of the section		Single Line/ Double Line	Elect/ Non-Elect (NE)	Gross Tonne Kms (incl. Wt of eng) of Coaching per route Km/day		Gross Tonne Kms.(incl. Wt of eng.) of Coaching & Goods combined per route km/day		Net Tonne Kilometers (in 000s) Goods Service			Gross Tonne KMs including Weight of engine of Goods service (in 000s)		Gross Tonne KMs including Wt. of Engine of Coaching service (in 000s)	
Broad Gauge		UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	UP&DN	UP	DN	UP	DN
Bhopal Division																
1	ET - KNW	183.42	183.42	Double	Elect	38370	38418	73327	64505	1400062	984176	2384238	2340317	1746487	2568833	2572009
2	BPL - ET	91.65	96.75	Double	Elect	52975	51978	126919	118655	1339065	1415137	2754203	2473597	2354615	1772139	1835546
3	BIN - BPL	138.38	138.38	Double	Elect	52777	53007	131063	124306	2208863	2249399	4458263	3954109	3601227	2665685	2677339
4	RTA - BIN	138.84	138.84	Single	Elect	9430	9322	39319	57501	590858	1470483	2061341	1514679	2441526	477867	472412
5	MKC - RTA	193.8	193.8	Single	NE	5038	4903	8446	7847	142311	77605	219917	241071	208269	356346	346854
6	GWL - GUN	227.46	227.46	Single	NE	3841	3723	5139	4905	7075	58128	65202	107772	98113	318900	309063
Jabalpur Division																
7	JBP - ET	245.81	245.15	Double	NE	44067	43994	58662	55383	756900	602499	1359399	1309487	1019076	3953679	3936585
8	KTE - JBP	90.79	90.79	Double	NE	49392	49376	58363	54923	166969	102580	269550	297298	183802	1636761	1636245
9	STA - KTE	98.2	98.2	Double	NE	46162	46167	75509	100599	469091	1166188	1635278	1051884	1951009	1654592	1654765
10	MKP - STA	77.45	77.45	Double	NE	41777	41782	65100	104964	156812	1160939	1317751	659328	1786098	1181006	1181142
11	REW - STA	49.2	49.2	Single	NE	6845	6845	38290	26153	348841	129874	478715	564686	346726	122919	122919
12	KTE - BIN	262.81	262.81	Double	Elect	21094	20354	158083	79406	8319304	1393602	9712906	13140760	5664647	2023430	1952424
13	KYCE-JKE	21	21	Single	NE	0	0	12352	6389	60776	14535	75311	94677	48971	0	0
14	SGRL - KTE	260.65	260.65	Single	NE	3159	3159	33585	23920	1806266	959998	2766264	2894617	1975113	300523	300523
Kota Division																
15	KTT - NAD	224.98	224.98	Double	Elect	26373	26373	111819	119904	4365446	4624797	8990243	7016649	7680548	2165698	2165698
16	GGC - KTT	171.37	171.37	Double	Elect	32453	32453	125264	129424	3575052	3891660	7466712	5805324	6065558	2029964	2029964
17	BXN - GGC	77.22	77.22	Double	Elect	24549	24549	109925	108351	1550844	1455420	3006264	2406348	2361986	691913	691913
18	MTJ - BXN	75.41	75.41	Double	Elect	24538	24538	109914	108340	1514493	1421305	2935798	2349945	2306623	675410	675410
19	RTA - KTT	164.26	164.26	Single	Elect	6141	6156	22482	52186	584552	1646572	2231123	979744	2759709	368186	369055
20	CNA - KTT	158.25	158.25	Single	NE	4351	4351	10217	10202	190784	195330	386114	338856	337954	251345	251345



West Central Railway

Density Chart 2013-14





Published by: HQrsqStatistical Branch, Zonal I.T. Centre, West Central Railway, Jabalpur (M.P.) Phone: 015-54498

Printed at: Aadi Printers # : 9425151382