



पश्चिम मध्य रेल
WEST CENTRAL RAILWAY

महाप्रबंधक की वार्षिक रिपोर्ट 2015-16

**GENERAL MANAGER'S
ANNUAL REPORT
2015-16**



गिरीश पिल्लई
महाप्रबंधक



पश्चिम मध्य रेल
West Central Railway

महाप्रबंधक
पश्चिम मध्य रेल
जबलपुर - 482 001

General Manager
West Central Railway
Jabalpur - 482 001

PH: 0761-2627444
FAX: 0761-2628133

No. WCR/HQ/STAT/505/GMAR/2015-16

Dated: 25 -10-2016

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

विषय: वित्तीय वर्ष 2015-16 के लिये महाप्रबंधक की वार्षिक रिपोर्ट
Sub: GM's Annual Report for the financial year 2015-16

- - - - -

मैं इसके साथ वित्तीय वर्ष 2015-16 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 2015-16.

संलग्न: यथोक्त
DA: As Above

(गिरीश पिल्लई)

KEY STATISTICS - WEST CENTRAL RAILWAY

SN	ITEMs	UNIT	2014-15	2015-16
I	PLANT & EQUIPMENTS:			
1	Capital- at- charge	₹ in Crores	3965.68	4784.31
2	Total Investment	₹ in Crores	12461.87	14520.03
3	Route Kms.	Kms.	2995.07	2996.87
4	Running Track Kilometres	Kms.	4769.25	4840.70
5	Locomotives	Nos.	954	1004
6	Passenger Carriages	Nos.	1251	1291
7	Wagons	Nos.	10544	10713
8	Railway Stations	Nos.	296	290
II	OPERATION:			
1	Passenger i. Train Kms.	Millions	40.71	40.48
	ii. Vehicle Kms.	Millions	1710.81	1757.43
2	Freight i. Train Kms.	Millions	28.27	29.03
	ii. Wagon Kms.	Millions	1359.43	1385.19
III	VOLUME OF TRAFFIC:			
1	Passenger Originating	Millions	139.00	132.75
2	Passenger Carried	Millions	287.90	290.22
3	Passenger Kms.	Millions	75871.41	78481.80
4	Tonnes Originating			
i	Revenue earning Traffic	Millions	40.52	41.65
ii	Total Traffic (Rev+Non-revenue)	Millions	40.87	42.17
5	Tonnes Carried			
i	Revenue earning Traffic	Millions	153.67	148.75
ii	Total Traffic (Rev+Non-revenue)	Millions	154.63	149.78
6	Tonne Kms.			
i	Revenue earning Traffic	Millions	55271.79	55190.50
ii	Total Traffic (Rev+Non-revenue)	Millions	55308.81	55255.50
IV	EMPLOYMENT AND WAGES:			
1	Regular Employees	Units	57047	55900
2	Annual Wages of employees	₹ in Crores	1975.52	2209.16
3	Average wages per employee	₹ in Lakhs	3.46	3.99
V	FINANCIAL RESULTS:			
1	Gross Earnings	₹ in Crores	10506.71	10882.89
2	Total Working Expenses	₹ in Crores	6858.72	7189.39
3	Operating Ratio	Percent	63.56%	64.38%
3	Net Earnings	₹ in Crores	3828.23	3876.39
4	Gross traffic receipts	₹ in Crores	10510.15	10885.70
5	Net traffic Receipts	₹ in Crores	3847.42	3880.29
6	Net Misc. Receipts	₹ in Crores	4.36	4.36
7	Net Revenue Receipts	₹ in Crores	3851.78	3884.65
8	Dividend to General revenue	₹ in Crores	185.28	185.28
9	Gain	₹ in Crores	3666.50	3699.37

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	17-23
04	वाणिज्य/COMMERCIAL	24-30
05	विद्युत्/ELECTRICAL	31-44
06	यांत्रिक/MECHANICAL	45-67
07	चिकित्सा/MEDICAL	68-70
08	परिचालन/OPERATING	71-73
09	कर्मिक/PERSONNEL	74-79
10	जनसंपर्क/PUBLIC RELATIONS	80-81
11	राजभाषा/RAJBHASHA	82-83
12	संरक्षा/SAFETY	84-88
13	सुरक्षा/SECURITY	89-98
14	संकेत एवं दू.सं./SIGNAL & TELECOM	99-103
15	भंडार/STORES	104-109
16	सतर्कता/VIGILANCE	110-123
17	सांख्यिकीय/STATISTICAL	124-135
--	परिशिष्ट/ANNEXURE-I & II	136-141
--	घनत्व चार्ट/DENSITY CHART	142

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)	: इसका 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 आमान 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, याडों 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 / 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

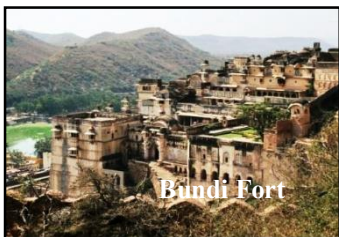
The important stations of West Central Railway are:



- **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 Girish Pillai
2	Additional General Manager	:	Shri S. P. Trivedi
3	Senior Deputy General Manager/CVO	:	Shri O. P. Singh
4	Principal Chief Engineer	:	Shri Naveen Chopra
5	Chief Operations Manager	:	Shri Ajit Kumar Jain
6	Chief Commercial Manager	:	Shri Manoj Seth
7	Chief Mechanical Engineer	:	Shri Rajesh Agrawal
8	Chief Electrical Engineer	:	Smt. Manju Gupta
9	Financial Advisor & Chief Accounts Officer	:	Shri Kartik Chouhan
10	Chief Signal & Telecom Engineer	:	Shri S. K. Vyas
11	Chief Safety Officer	:	Shri Rajesh Argal
12	Controller of Stores	:	Shri Pradeep Ambare
13	Chief Personnel Officer	:	Shri G. L. Meena
14	Chief Security Commissioner	:	Shri R. K. Malik
15	Chief Medical Director	:	Dr. S. Raha
16	DRM Bhopal	:	Shri Alok Kumar
17	DRM Jabalpur	:	Shri Sudhir Kumar
18	DRM Kota	:	Ms. Seema Kumar
19	CWM CRWS Bhopal	:	Shri Laxmi Raman
20	CWM WRS Kota	:	Shri Kundan Kumar

Salient Features:**Passenger Traffic: Total Number of Passenger trains****as on 31-03-2016**

Frequencywise	Nos.	Typewise	Nos.
No of Mail/Express/SF Trains		No of Rajdhani Trains	18
a. Daily	148	No of Shatabdi Trains	04
b. Weekly	268	No. of Duranto Trains	16
c. Bi-weekly	100	No of Garib Rath Trains	10
d. Tri-weekly	62	No of Jan Shatabdi Trains	04
e. 4 days in a week	16	No. of Rajya Rani Trains	02
f. 5 days in a week	12	No. of Suvidha Trains	04
g. 6 days in a week	02	No. of Mail/Express/SF Trains	550
Total Mail/Express Trains	608	Total Mail/Express Trains	608
No of Passenger Trains	113	No of Passenger Trains	113
No. of Holiday Special	18	No. of Holiday Special	18
Total No. of trains run in WCR	739	Total number of Trains	739

Freight Traffic: Commodity Loaded

Division	Sidings	Capacity per annum 31.03.2015	Capacity per annum 31.03.2016
Commodity: Cement & Clinker			
Jabalpur	ACC Cement Siding at Jukehi	3.50 MT	3.60 MT
	Birla Cement Siding at Satna	3.12 MT	3.00 MT
	Maihar Cement Siding at Maihar	4.20 MT	4.20 MT
	Diamond Cement Siding at Damoh	1.50 MT	3.00 MT
	JP Rewa Sidings at TZR and Satna	7.40 MT	8.22 MT
	Prism Cement Siding at Hinauta	7.20 MT	6.50 MT
	RCPB Bhadanpur	New	2.80 MT
Kota	Mangalam Cement at Morak	2.00 MT	3.25 MT
	Shri Ram Fertilizer & Chemicals at Dadh Devi	0.37 MT	0.12 MT
	ACC Cement Siding at Lakheri	1.50 MT	1.50 MT
Commodity: Fertilizer			
Kota	Shri Ram Fertilizer & Chemicals at Dadh Devi	0.37 MT	0.40 MT
	Chambal Fertilizer & Chemicals Ltd., Bhonra Sdg.	2.15 MT	2.20 MT
Bhopal	National Fertilizer Limited Vijaypur	2.05 MT	2.10 MT
Commodity: LPG			
Bhopal	GAIL Siding Vijaypur	0.52 MT	0.50 MT
	Bina Refinery	6.00 MT	6.00 MT

IMPORTANT ASSETS

Workshops

as on 31-03-2016

Workshops	Work done	Capacity	ISO Awards
Coach Rehabilitation Workshop (CRWS), Bhopal	Midlife rehabilitation (MLR) of coaches	57.67 coaches per month	Integrated Management System (IMS) ISO 9001:2008, 14001:2004, 18001:2007
Wagon Repair Shop (WRS), Kota	POH of wagons (Oil tank and LPG wagons)	450 wagon units per month	Integrated Management System (IMS) ISO 9001:2008, 14001:2004, 18001:2007
BOXN ROH Depot, New Katni Jn.	ROH Of BOXN wagons	600 BOXN wagons per month	ISO 9001:2000 certificate

Sheds

Sheds	Total Loco Holding	Type wise Holding	ISO Awards
Electric Loco Shed, TKD	214 as on 31.03.2016	79 WAG5 29 WAG7 59 WAG9 18 WAM4 29 WAP7	Integrated Management System IMS Certificate(ISO) 9001:2008, 14001:2004, 18001:2007(OHSAS)
Electric Loco Shed, Itarsi	194 as on 31.03.2016	20 WAM4 75 WAP4 99 WAG5	Integrated Management System IMS Certificate(ISO) 9001:2008, 14001:2004, 18001:2007(OHSAS)
Electric Loco Shed, New Katni Jn.	188 as on 31.03.2016	114 WAG5 74 WAG7	
Diesel Loco Shed, New Katni Jn.	224 as on 31.03.2016	03 WDM2 121 WDG3A 48 WDM3A 08 WDM3D 22 WDG4 17 WDG4D 05 Accident /UC	ISO 9001:2008, 14001:2004 EnMS ISO 50001
Diesel Loco Shed, Itarsi	184 as on 31.03.2016	04 WDM2, 02 WDM2G inferior 68 WDM3A, 42 WDM3D, 08 WDP4B 27 WDP4D 21 WDS6 12 Accident/UC	ISO 9001:2008, 14001:2004 EnMS ISO 50001

PHYSICAL INFORMATION OF WCR:**as on 31-03-2016**

1. State-wise Route Kms/Running Track Kms.

State	MP	Rajasthan	UP	Total
Route Kms	2184.93	758.22	53.72	2996.87
Running Track Kms	3557.56	1179.47	103.67	4840.70
Track Kms	4493.46	1684.19	117.00	6294.65

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

Divisions	Jabalpur (MP+UP)	Bhopal (MP)	Kota (MP+UP+Raj)	Total
Route Kms	1085.094	1015.46	896.32	2996.874
Running Track Kms	1851.784	1547.82	1441.10	4840.704
Track Kms	2402.57	1921.01	1971.076	6294.656

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

Routes	A	B	D/Spl	D	E	Total
Route Kms	787.05	701.62	419.76	343.78	744.664	2996.874
Running Track Kms	1677.23	1386.54	687.80	343.78	745.354	4840.704
Track Kms	2287.37	1766.372	889.043	456.516	895.355	6294.656

4. Tractionwise Route Kms/Running Track Kms.

Routes	Electrified	Non-Electrified	Total
Route Kms	1615.900	1380.97	2996.874
Running Track Kms	2956.670	1884.034	4840.704
Track Kms	3823.098	2472.558	6295.656

5. Equated Track Kms : 9327.30

6. Level Crossings: Manned: 700, Unmanned : 00, Total : 700

7. Bridges:

Important	Major	Minor	TOTAL
124	519	5939	6582

8. Total number of stations (as per Commercial record excluding block huts): **300**

Class Number of stations

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 & Tourist importance)

Class C : NIL (Suburban)

Class D : 34 (Annual Earning between ₹60 lakhs and ₹4 crores)

Class E : 198 (Annual Earning below ₹60 lakhs)

Class F : 37 (Halt Stations)

2. लेखा/ACCOUNTS

1. INTRODUCTION

Accounts Department of West Central Railway is headed by a CHOD officer (SAG) assisted by 02-SAG officers, 07-SG officers, 05-JAG officers, 19-Sr.Scale officers and 16-JS/AS officers posted in HQ. Cash & Pay, EDP Centre, Vigilance, Intrnal audit cell, three Divisions (JBP, BPL & KOTA), two workshops (CRWS/BPL & W&S/KOTA), and three Constructions units (JBP, BPL & KOTA).

2. MAN POWER

The total sanctioned strength of Group-£q & ढq staff including revenue and work-charged posts is 887 and operated strength is 735. There are 154 posted lying vacant in Accounts Department.

3. AWARD WON BY STAFF FOR 2015-16

a) Railway Board Award

Shri Rajiv Sexena, SSO/HQ has been honoured with 61th Railway week Award at Board level 2015-16.

b) GM award (Individual category)

Following officers/staff have been honoured with GM award (individual category) for 2015-16.

- (i) Shri Abhiram Khare, Dy. FA&CAO (G)
- (ii) Shri T. K. Sen, AA
- (iii) Shri G. C. Sharma, SE(IT) O/o Sr.DFM/BPL

c) GM award (Group category)

Following staff have been honoured with GM award (Group category) for 2015-16.

- (i) Md. Shakeel SSO/HQ
- (ii) Shri Ved Praksh, SSO/HQ
- (iii) Shri Manoj Ranjan Kumar, AA/HQ
- (iv) Shri Arun Kumar, AA/HQ
- (v) Shri Bishnu Deo Prasad, AA/HQ

4. PERFORMANCE PARAMETER FOR 2014-15 & 2015-16

A. ADMINISTRATION

On Account department of WCR total 735 Gr. C & D employees are on roll and since the cadres of all accounts staff have been maintained centralized hence all related activities such as- posting transfer, promotion etc are being done at Head Quarter level only.

B. ACHIEVEMENT OF ADMINISTRATION SECTION DURING 2015-16

- a) Successfully implementation of I-PAS in Account/WCR
- b) Appendix-IIA exam conducted successfully in JAN 2016.
- c) Appendix-IIIA exam conducted successfully in August-September 2015.
- d) Grant of Financial upgradation benefit under MACPS to 19 employees of Account Dptt.
- e) Promotion of 98-JAA to AA 10-AA/JAA/PS-II to SR.SO/Sr.TIA, 01 Sr. steno to ps-II & 03 Group D to Group C in time.
- f) Selecton from Group D to C (8.33%) has been done in July 2015.
- g) Selection for ps-II has been done in October-November 2015.
- h) 29-Online & 04-Offline grievances received during the financial year and all have been disposed timely and promptly.

5. PERFORMANCE OF VARIOUS SECTIONS OF ACOUNT DEPARTMENT DURING 2015-16

5.1 BUDGET SECTION

Budget section is a hub of information for Earning and Expenditure of WCR. It is primarily responsible for preparation of Budget and assessment/ re-assessment of

requirements of field units. It works in close co-ordination with field executive/accounting units on their requirements as well as distributon of Budget Grant/Revised Grant/Final Grant and strives for control of expenditure.

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

Ovar all ₹5224.41 Cr. spent by WCR against Final Grant of ₹5269.14 Cr. during financial year 2015-16. There has been a saving of ₹43.73 Cr. under Demands 03 to 13 which is 0.83% of the Final Grant.

Total Revenue earned ₹10880.08 cr. against target of ₹11287.90 Cr. This resulted inachieving operating ratio of 64.38% against the target of 62.62%.

5.2 FINANCE

Head quarters Finance section is entrusted to carry out financial scrutiny of expenditure and establishment proposals mooted from divisions, workshops and HQ. These proposals include 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 matter proposals of all departments of open and construction organization, creation of revenue/work charged posts and extension of work charged posts and all other finance establishment matters.

The total numbers of proposals dealt with during the period from April 2015 to March 2016 under different categories are detailed as below:-

Sr. No.	Type of proposal	No. of proposal	
		2014-15	2015-16
1.	Misc. Revenue Proposals	1193	1548
2.	M&P proposals of Rly. Bd.level & GM\$ lump-sum grant	47	105
3.	Work programme proposals of Railway Bd. Level and Zonal level	319	325
4.	Vetting of estimates, Brief notes, rate analysis, contract agreement and concurrence on variation statement	93	103
5.	SOPGEN matter	42	33
6.	FE proposals	277	264
7.	Medicat reimbursement	115	116

Note: System improvements-(1) A register has been maintained for allotment and utilization of D&G charges for creation/extension of work chaged post in order to ensure that creation/extension is within the allotted D&G.

Savings:-

The total saving achieved during the period April 2015 to March 2016 as a result of objective scrutiny of finance proposals is ₹ 53.93 Crores.

5.3 EXPENDITURE

A. Brief description about work handles by Expenditure Section/ Head Quarters

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

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

B. Performance parameter figures for 2015-16 increase/decrease in work handled.

Description	2014-15	2015-16	% Variation Over 2014-15
Bills & PO Passed	4345	4455	(+) 2.46% decrease

C. Special Achievement during 2015-16

- a) IRFA- Credit earnings ₹123.60 Crores (during the year 2015-2016).
- b) Recovered the old outstanding amount of ₹1.69 Crores towards unauthorized occupation of GRP Staff as penal rent, electricity/Water charges during the financial year 2015-16.
- c) In financial year 2015-16 received 20 crore from Railway Board and adjusted against the outstanding Compensation claims.
- d) Timely payment of SAIL's bill for which Thanks letter has been received from competent authority of SAIL.
- e) In financial year 2015-16, West Central Railway & Ratnagiri Gas & Power Private Limited make agreement for supply of electricity under which ₹ 62 crore per month payment has been made time to time.

5.4 BOOKS

A. Main Areas of concern for Books section

- a) To prepare the reports on receipts (earnings) and outgoings (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 correctly 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 ceques and ensure that the payment is being made to the concerned only.
- g) Accountal of receipts and payments made on behalf of other railways and made by other railways on behalf of WCR through a web based programme called eRecon.

B. Achievements of Books Section during the year 2015-16

- 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 opoutgo, 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 Control has been carried out throughout the year.

5.5 PENSION/PF/NPS

PENSION

- Spot checking of 12465 PPOs in different 19 banks & PNB CPPC & SBI CPPC was carried out during 2015-16 and debit scroll of different banks were checked. By way of checking over payment of ₹8.50 crores was detected out of which ₹1.95 crores have been recovered or adjusted and recovery of balance amount is in progress.
- Pension master for all 67679 pensioners who are drawing pension in MP has been updated up to 31.03.2016.
- Complete data of 48012 pensioners of WCR has been uploaded in ARPAN.
- PPO Data of SBI, PNB & BOB BANKS has been sanitized as desired by FA& CAO /WCR
- ARPAN has been implemented in all Accounting Units & all PPOs are being generated through ARPAN.
- IPAS:- Salary Module & Settlement Module of IPAS has been implemented.
- Expenditure under D.No - 13 towards pension & retirement benefits for 2015-16 is well within the Grant provided by Railway Board.
- By efforts of WCR, pension procedure has been simplified by dispensing the requirement of Life Certificate & Undertaking by paying branches with the consultation of Railway Board. This has resulted the early starting of first pension. Now in 80 to 90 % cases pension is being commenced in the following month of retirement.

PF

Reconciliation of PF Books with General books for the year 2015-16 has been successfully done & PF Pass books and PF slips are being updated/ printed & being provided all officers & staff.

NPS

All the work of NPS is up to date & funds of PF contribution & Government contribution are being transferred to NSDL / Fund Managers timely.

5.6 TRAFFIC

Traffic Accounts Branch is headed by FA&CAO(T) who is assisted by Dy.FA&CAO(T), Sr.AFA(T), AFA(T), and Sr.AFA/TIA are responsible for post 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 2015-16 was ₹ 5760.08 Crore, details are as under:-
(₹ in Crores)

Category	Actuals 2014-15	Target 2015-16	Actuals 2015-16	%Variation over 2014-15 actuals	%Variation over Target
Passenger	1338.05	1414.82	1412.45	5.56	-0.17
OCH	133.62	133.51	131.83	-1.34	-1.26
Goods	3883.81	4177.74	4090.57	5.32	-2.09
Sundries	121.54	125.00	125.23	3.04	0.18
Total	5477.02	5851.07	5760.08	5.17	-1.56

II. Apportioned Earnings

(₹ in Crores)

Category	Actuals 2014-15	Target 2015-16	Actuals 2015-16	%Variation over 2014-15 actuals	%Variation over Target
Passenger	2692.56	2850.00	2857.58	6.13	0.27
OCH	138.23	136.90	131.71	-4.72	-3.79
Goods	7548.96	8175.00	7765.22	2.86	-5.01
Sundries	126.96	125.00	128.38	1.12	2.70
Total	10506.71	11286.90	10882.89	3.58	-3.58

III. Actuals Financial results (Actuals)

(₹ in Crores)

Category	Actuals 2014-15	Budget Target 2015-16	Actuals 2015-16	Variation over Target	Variation over Last Year
1	2	3	4	5	6
Passenger	2692.56	2850.00	2857.58	7.58	165.02
OCH	138.23	136.90	131.71	-5.19	-6.52
Goods	7548.96	8175.00	7765.22	-409.78	216.26
Sundries	126.96	125.00	128.38	3.38	1.42
Total	10506.71	11286.90	10882.89	-404.01	376.18
Suspense	-3.44	1.00	-2.81	-3.81	0.63
Gross Traffic receipt	10503.27	11287.90	10880.08	-407.82	376.81

IV. Special Achievements during 2015-16

- Diverted Goods traffic earnings: - Additional Goods apportioned earnings due to diversion of goods traffic over WCR in 2015-16, received credit of ₹ 1000.20 Crores and net Goods earning of ₹ 358.82 Crores.
- On scrutiny of various finance (commercial) proposals and refund cases Traffic Accounts, the saving of ₹ 55.14 lakh in goods cases and ₹ 21.15 lakh in coaching refund cases have been achieved in 2015-16.
- During the year, 99 goods, 19160 coaching refund cases and 127 Traffic finance proposals were cleared to end of March-2016.
- Error sheet module implemented as per Rly. Board Target w. e. f. Feb-2016.
- Switching over of generation of statement of 7 Cq from RITES to CRIS as per Rly. Board. Target w. e. f. April-2016.
- Recovery to the tune of ₹ 3.19 Crores against out side parties during station inspections raised by AFA (T) out of which approx ₹ 2 Crores got recovered during 2015-16.

V. Important cases detected by TIA's during the year 2015-16.

S.No.	Div.	Particulars	Amt in ₹
1	KOTA	Incorrect charging in booking of special train at Bharatpur station.	23.95 Lakh
2	JBP	Incorrect charging of route i. e. freight collected as per CC+6 route instead of CC+8 on inward at PCIH & JRCS.	58.84 Lakh
3	JBP	Non-levy of wharfage charges at GSPR against coal rake even after lapses of free time for removal of the consignment from station.	1.98 Lakh
4	JBP	Incorrect allowance of free time against Mini rake at PCIH i. e. free time allowed 7 hours instead of 5 hours.	2.09 Lakh

VI. Awards:-

Shri Rajiv Kumar Sexena has been awarded by Railway Board for 2015-16 for his outstanding work in Diverted traffic earning.

5.7 STORE AND WORKSHOP**i. Stores Accounts Branch is handling the following activities:-**

- Stores finance proposal.
- Purchase orders pre-check
- Workshop Efficiency Cell, RSP proposal, Bulk order RSP debits.
- Stores Budget, vetting of indents, estimates, and comparative statements of stores tenders other than IREPS.
- Purchase suspense other than Fuel (OFT).
- Purchase Suspense (Fuel).
- Stores Bills, CO 6 & Recovery.
- Sales Suspense, DGS&D.

- i) Paper securities.
- j) PL unit 1 and MMIS.
- k) GBPL/Co ordination work of Stores Accounts Branch.

ii. Performance parameter figure for 2015-16. (figures in Crores)

Items		Opening Balance as on 01.04.2015	Accrual	Clearance	Closing Balance as on 31.03.2016
Purchase Susp.(OTF)	Dr.	78.49	395.92	336.65	137.76
	Cr.	108.01	369.32	358.43	118.90
Purchase Susp.(Fuel)	Dr.	5.32	401.68	397.48	9.52
	Cr.	14.78	391.87	392.49	14.16
Sales Susp.		38.70	165.30	182.95	21.05
Purchase Susp.7130 DGS&D	Dr.	1.46	6.19	5.35	2.30
	Cr.	9.54	9.13	12.14	6.53
Purchase Susp.7110- Imported	Dr.	Nil	Nil	Nil	Nil
	Cr.	Nil	Nil	Nil	Nil

iii. Total No. of incoming proposals during the year 2015-16

Section	Year	Incoming proposals	Cleared proposals	Saving in ₹ (Crores)
Purchase Orders (P.O)	2015-16	1830	1830	0.41
RSP	2015-16	86	86	32.78
Condemnations of wagons	2015-16	24	24	-
Indent/Estimate	2015-16	214	214	9.45
Finance proposals	2015-16	941	941	7.22
Bill Advance & RO	2015-16	7416	7416	6.82
RITES Bill	2015-16	1878	1878	-
Track Bill	2015-16	412	412	1.95

iv. Special achievements during 2015-16

a) Purchase suspense (Indigenous)

1. The outstanding balance under purchase Suspense Indigenous has been brought under control. Clearance of over one year old the period from April 2015 to March 2016 is ₹34.14 Crores under Debit and ₹28.22 Crores under Credit respectively. The overall clearance during the year under Debit and Credit is ₹336.65 Crores and ₹358.43 Crores respectively.

b) Store Budget Section

1. Due to close control the %store in stock+inventory come down at ₹109.97 Crores to end of March 2016 against B. G. of ₹151.91 Crores with TOR (OTF) 18%.
2. In connection with store fuel oil the inventory is ₹3.66 Crore against B. G. of ₹10.75 Crores which has been achieved due to close monitoring.

c) Workshop Accounts Section

1. Under workshop manufacture suspense total expenditure is ₹412.36 Crores to end of March 2016 as against B. G. of ₹443.74 Crores and balance of WMS ₹11.85 Crores to end of March 2016 which is under permissible limit.

d) Pre-check & Indent Section

1. Saving achieved during PO pre-check in the financial year 2015-16 is ₹0.41 Crores.
2. Saving achieved during Indent Scrutiny in the financial year 2015-16 is ₹7.22 Crores.

5.8 Zonal IT Centre

Zonal IT Centre of WCR is headed by 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. Also generated 10 days 7A statement.
- 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 summery 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) Preparation of outside electric billing for JBP Division.
- 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.
- xiii) Co-ordinated and helped in IPASS implementation in WCR.

5.9 CASH AND PAY

(1) **Brief description about work handled by section**

रोकड़ कार्यालय जबलपुर एवं कोटा में लगभग 286 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।

(2) **Performance parameter figures for 2014-15 and 2015-16.**

Year 2014-15

₹ in crores

2014-15	Cash	DD/Cheque	Tr.Challan	ERR	Total
JBP	64.23	564.5	853.58	2445.4	3927.72
KOTA	56.86	41.45	541.03	404.23	1043.57
Total	121.1	605.95	1394.61	2849.64	4971.29

Year 2015-16

₹ in crores

2015-16	Cash	DD/Cheque	Tr.Challan	ERR	Total
JBP	62.61	756.28	872.41	2402.3	4093.61
KOTA	57.53	15.34	486.56	498.46	1057.89
Total	120.14	771.62	1358.98	2900.76	5151.5
Incresing % From last year	-0.78%	27.34%	-2.55%	1.79%	3.62%

(3) **Special achievements during 2015-16**

वर्ष 2015-16 के दौरान माह मार्च 2016 में मार्गस्थ रोकड (CIT) को NIL किया गया।

5.10 Construction Account

The description of work handled by Construction (finance) HQ's are as under:-

The Construction unit of West Central Railway is working under the administrative control of CAO/C, WCR. The Accounts department is headed by FA&CAO/C assisted by DyFA&CAO/C, One AFA/C, four SSOs and five AAs for handling the work of HQ Construction Accounts department.

There are three Units of Construction which are presently headed by Sr.AFA/C/BPL, Sr.AFA/C/JBP & DyFA&CAO/C/KTT.

The positions of staff in the units are as under:

Post	Sanctioned post	Operated post	Sanctioned post	Operated post	Sanctioned post	Operated post
	Unit: SrAFA/C/JBP		SrAFA/C/BPL		DY.FA&CAO/C/KOTA	
Sr.SO	4	3	3	2	4	4
Sr.ISA	1	1	1	1	1	1
ASV	1	0	0	0	--	--
AA	7	3	5	4	9	5
JAA	2	0	1	1	0	0
Ac Clerk	1	2	1	1	0	0
Sr.Steno-I	--	--	0	1	--	--
Sr.Steno	--	--	1	0	--	--
Jr.Steno	--	--	--	--	1	0
Peon	4	3	4	5	4	5
Record Sorter	--	--	--	--	1	1
TOTAL	20	12	16	15	20	16

All finance proposals requiring sanction of CAO/C, GM, Railway Board are dealt by HQ Construction Accounts. Vetting/Concurrence of estimates, Brief Notes, quotations, rates and Contract Agreements, Variations Statements, re-appropriation of funds, hiring of Vehicles, Creation & extention of Work Charged Posts etc. The proposals requiring sanction of HQ or above are initially vetted by field units and sent to HQ Construction for concurrence.

The performance parameters laid down for various proposal is as under:

Sr. No.	Activities	Standard Time
1	Estimate	15 days
2	Variation	15 days
3	Survey	15 days
4	DOC	15 days
5	Compilation of Monthly Progress Report and MCDO	On due date
6	Maintenance of Work Wise Exp. For more than 200 work over WCR Construction organization.	10 th of every months
7	Inspection and Inspection Reports.	One unit inspection in every two months.

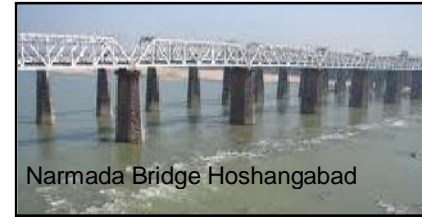
5.11 FINANCIAL RESULTS 2015-16 (Actuals) (Figures in Crores of ₹ on Net Basis)

Sr. No.	Items	Budget (FG) 2016-17	Actuals 2015-16	Actuals 2014-15	IR Actual 2014-15
1	2	3	4	5	5
1	Earnings: a. Coaching	2850.00	2857.58	2692.56	42189.61
	b. Other Coaching	136.00	131.71	138.23	3997.90
	c. Goods	8175.00	7765.22	7548.96	105791.34
	d. Sundry	125.00	128.38	126.96	5092.74
2	Gross Earnings(Total a to d)	11286.00	10882.89	10506.71	157071.57
3	Suspense	1.00	-2.82	3.44	-361.04
4	Gross Traffic receipt	11287.90	10880.07	10510.15	156710.54
5	Ordinary Working Expenses:-				
a	Genl. Suptdt. & Services (3A)	240.26	246.47	228.35	6022.56
b	R&M of P Way & Works (4B)	567.31	538.62	519.12	10126.78
c	R&M of Motive Power (5C)	472.77	445.78	391.27	4659.90
d	R&M of Carriage &Wag (6D)	385.37	377.23	319.68	11022.80
e	R&M of Plant & Equip (7E)	350.80	350.02	311.92	5953.10
f	Optg.Exp.Rolling Stock (8F)	459.79	432.19	457.35	9850.86
g	Operating Exp.- Traffic (9G)	1020.33	950.13	827.08	18827.81
h	Operating Exp.- Fuel (10H)	1361.45	1465.85	1611.63	28766.47
i	Staff Welfare (11J)	236.27	208.05	194.09	4994.51
j	Misc. Working Exp. (12K)	161.60	158.03	116.70	5139.94
k	Retirement Benefits (13L)	58.60	54.12	43.29	1523.40
5	Total Ordly Working Expenses	5287.55	5226.49	5020.48	106331.11
6	Suspense	-18.41	-1.09	-22.63	-335.23
7	I. Appn. to DRF	219.00	219.00	306.00	7775.00
8	II. Appn. to Pension Fund	1561.00	1561.00	1352.00	29225.00
9	Total W Exp. (OWE+Appn.to Funds)	7049.14	7005.40	6655.85	142995.88
10	Operating Ratio %	62.62	64.38	63.56	91.25

3. अभियांत्रिकी / CIVIL ENGINEERING

1. Track

Scrap disposal has been done as 46137 MT during the year 2015-16 surpassing the target of 29000 MT. Track renewal 203.89 CTR units has been done during the year 2015-16 against the target of 191.00 CTR units.



Narmada Bridge Hoshangabad

1.1 Track Renewal carried out during 2015-16

Sr. No.	Description	Renewal	Total Kms.
1	Through Rail Renewal (Primary)	RR	229.77
2	Through Rail Renewal (Secondary)	RR	84.37
3	Through Sleeper Renewal (Primary)	SR	49.98
4	Through Sleeper Renewal (Secondary)	SR	43.65
Total	Through Rail Renewal (Primary + Secondary)	RR	314.14
	Through Sleeper Renewal (Primary + Secondary)	SR	93.63

2. Route Kms.

WCR route length stretches to 2996.874 Kms. with 1615.90 Kms. electrified and 4840.704 running track Kms. with 2956.67 Kms. electrified. The total track Kms. stands at 6294.640 Kms. with 3823.09 Kms. electrified. The table below shows the network at the end of 2015-16.



Year	Total Route Kms		Running Track Kms		Total Track Kms	
	Electrified	Total	Electrified	Total	Electrified	Total
2015-16	1615.90	2996.874	2956.67	4840.704	3823.09	6294.64

3. Concrete Sleeper Production during the Year 2015-16

60 Kg M/L Sleepers	T-out sleeper 1 in 12 set	T-out sleeper 1 in 8.5 set	D/Switch sleeper set	Canted Partly Casted Rail Seat Beam (PCRSB) for BLT-IFS (Ballast less track with Indigenous Fastening system) Nos.	Total Production equivalent of M/L Sleepers
313533 Nos.	50 Sets	299 Sets.	151 Sets.	170 Nos.	3,49,048 Nos.

4. Works

4A. Salient features of the construction works executed by construction organization during the year 2015-16:

(1) New line

(i) Lalitpur-Singrauli

- (a) **Mawai- Khargapur section (23 Km):** CRS NE Circle, Lucknow, inspected the section on 06.05.2015; speed trial done at 90 Km/h. Modification/Condonation of 132 KV Over Head Electrical crossing done by WCR and advised to NCR on 16.12.2015, to open the section for Passenger Traffic.

- (b) **Khargapur-Chhatarpur Section (47 km):** CRS/NE Circle, Lucknow, inspected the section on 30/31.03.16, Speed trial was conducted at a speed of 85 kmph. Authorisation has been issued by CRS at 75 Kmph
- (c) **Chhatarpur-Khajuraho (30 Km):** Trial run for Goods opening completed successfully on 31.12.15, max. speed of 80 Kmph. Fitness for Goods traffic given at the speed of 50 Kmph. Balance Engineering and S&T works are in progress. Final commissioning is planned by May 2016.
- (d) **Khajuraho – Panna (70.55 Km):** Alignment passes through buffer Zone of Panna National Park and Gangue Wild Life Sanctuary. Modified alignment (No.VII) from Khajuraho to Panna, to reduce tunnel length from 11Km (single tunnel) to 2 Nos of approx. 1 Km. each and to provide flatter grade of 1 in 112 (earlier 1 in 75), with revised TOR, has been approved by GM/WCR on 22.07.15. Final Location Survey (FLS) work has been taken up & is likely to be completed by April 2016.
- (e) **Panna- Satna (72.60 Km):** Detailed Estimate amounting to Rs. 979.20 Cr. submitted to Railway Board for sanction on 28.09.15. Part Estimate amounting to Rs. 246 crores for Land has been sanctioned by Rly Bd. Accordingly; an amount of Rs. 231 Cr. has been paid to Collectors Satna & Panna, towards acquisition of land in Satna & Panna Districts. For a length of 3 km near Panna, application for MOEF clearance for 69 Ha of forest land has been submitted to M.P. Forest department on 03.08.15. Land acquisition for Revenue land is in an advanced stage and is likely to be handed over by 30th June.
- (ii) **Ramgangmandi-Bhopal: -**
- Jhalawar (km. 26.5) to Aklera (Km 73.8) (47.3 km):**
- Revenue Land- acquisition completed, except 2 Km stretch involving legal complications.
 - Forest Land 8.0 Km in 5 stretches - clearance available.
 - Tenders for Earth work & minor bridges between Km 50 to Km 75 awarded on 15.10.15.
 - Earth work and Minor Bridges work in progress up to Km.75.
 - 6.6 lakh Cum out of 26.94 lakh Cum E/w in filling & 4.4 lakh Cum out of 6.8 Lakh Cum in cutting completed
 - 15 box bridges out of 55 minor Box bridges completed.
 - **Tender for tunnel (360m), awarded on 21.01.2016, work in Progress.**
 - Tender for major bridges between Jhalawar to Aklera has been opened on 01.12.15. Technical bid finalised. Financial bid opened on 17.02.16, T.C. under finalisation.
 - Detailed Estimate for P. Way, station Buildings, Electrical & S&T works etc. amounting to Rs. 1225.90 Cr. is under sanction of Railway Board since 31.08.2007.
 - Part Detailed Estimate for Jhalawar- Biyavra is under HQ approval.
 - For project section beyond Jhalawar, Government of Rajasthan and Government of Madhya Pradesh had been requested to share the cost of the project vide GM/WCR letter No. EW/HQ/RMA-BPL/Est-Corr. dated 01.09.2014 & 08.09.2014, respectively. Govt. of Madhya Pradesh has agreed to share 10% cost and same has been informed to ED (W) Railway Board vide this office letter No. EW/HQ/RMA-BPL/Est/Corr. dated 22.12.2014, for due consideration. However, Govt. of Rajasthan has raised query, for which correspondence is on with Govt of Rajasthan.
- (2) **Doubling Plan Head-15**
- (i) **Ghatpindrai - Belkheda- Patch Doubling on JBP-ET Section (5.6 km):** Opened for Passenger Traffic on 13.09.2015.
- (ii) **Guna-Ruthiyai Doubling:**
- (a) Construction of Staff Quarters: 2 units type III and 8 units type II at Guna and 9 units Type-II quarters at Mahugarha & RTA 7 units type II Qtrs. & PI building at GUNA, MUGA & RTA completed and handed over to Open Line.
- (b) ORH at Guna: Completed & inaugurated by PCE/WCR on 11.07.2015.
- (c) Earth work & Linking work are in progress, out of 20 Km linking of 6 Km completed.

(3) Newly Sanctioned Doubling Projects: (DPRs)

- (i) **Sontalai -Bagra Tawa - patch Doubling (7 Km):** Work was sanctioned vide Railway Board letter dated 06.11.2015. FLS has been completed. Contract for Earthwork and Minor bridges for entire stretch has been awarded on 11.01.2016. Works are in progress. Tender for an important Bridge (8x61.0 m) is due for opening on 30.04.16.
- (ii) **Mahadevkhedi-Malkhedi Doubling (8.7 Km):** Railway Board communicated sanction for Malkhedi-Mahadevkhedi doubling work as Material modification to KOTA-BINA doubling, vide letter No. 2014/WI/RVNL/DL/MM/7 dated 08.09.2015. **Work is to be executed by RVNL.**
- (iii) **Satna- Rewa Doubling (50Km):** Railway Board has advised sanction of the project vide letter No. 2015/W-I/Genl./EBR/2 dated 18.11.15. Tender for FLS has been awarded and work taken in hand. Tender for Earth work & minor Bridges (Two packet) for entire stretch has been opened on 30.03.16 and is under finalization.
- (iv) **Katni-Singrauli (261Km) Doubling:** In terms of Railway Board's letter No. 2015/W-I/Genl./Presentation/Pt. Dated 11.12.15, this work has been **assigned to IRCON for execution**. 10% Advance, amounting to Rs. 176 crores, has been paid to IRCON during the month.
- (v) **Katni-Bina (260 Km) Third Line:** DPR submitted to Railway Board on 10.10.2015. Railway Board observations replied on 17.11.15. **Sanction is awaited.** EPC/Conventional Tenders are being planned. An interaction meeting with prospective bidders was held on 13.01.2016.
- (vi) **Katni Grade Separator/Bye Pass (21.5 Km):** DPR submitted to Railway Board vide letter No.EW/HQ/JBP/KTE-Grade Separator/DPR dated 30.10.2015. Railway Board's observations have been replied on 04.01.2016. **Sanction is awaited.**

(4) Traffic Facility Plan Head-16

- (i) **New crossing station at "Chourakhedi" between Kota-Ruthiyai Section:** All work completed, station commissioned on 08.08.15.
- (ii) **New crossing station at "Miyana" of Guna-Gwalior section:**
New crossing station at Miyana of Guna-Gwalior section: All works related to PI building, PF and loop line completed. **Station commissioned on 8.12.2015.**
CRS inspected the section on 28.08.15. NI works are being planned by BPL division for commissioning.
- (iii) **Upgradation of Traffic Facility:**
 - Deoragram station- 2 sand humps added & Penal Interlocking commissioned on 29.06.15
 - Saraigram station- one loop with Rail level platform & 4 sand humps added and Penal Interlocking commissioned on 05.09.2015.
 - Bharsendi station: Completed & Commissioned on 02.11.2015
- (iv) **Sorai – Shifting of goods shed from Vidisha:** Foundation stone laid by Hon'ble MR Shri Suresh Prabhu on 26.05.2015. Layout plan approved. Estimate sanctioned on 21.12.15. Tender opened 23.02.15 & under finalization.

(5) Passenger amenities works

- (i) **Sanchi – Extension, Raising and Upgradation of passenger platform No. 1 & 2:** completed & inaugurated by Hon'ble MR Shri Suresh Prabhu on 26.05.2015.
- (ii) **Raising of platform at Ramganjmandi Chaumehla & Shamgarh: Work Completed.**
- (iii) **Sawaimadapur-Provision of 2nd Foot over Bridge:** Completed and inaugurated by Shri Sukhbir Singh Jaunpuriya Hon'ble MP/Tonk on 09.06.2015.
- (iv) **Bhopal: Additional FOB at ET end:** FOB completed & opened to passenger on 09.03.16

(6) ROB/RUB plan head-30

ROB between Chhatarpur-Khajuraho at Km. 154.085: (for new B.G. Line project of Lalitpur-Satna-Rewa-Singrauli-01 span): ROB Completed.

(7) Bridge work plan head-32

Rehabilitation of 10 Arch Bridges in JBP-MKP Section: Completed during Jan'2016

(8) Signalling and Telecommunication works plan head – 33

S&T building at Garoth, Shamgarh & Suwasra on Nagda-Kota section: completed during this year.

(9) Workshops Plan Head-42

- (i) **Itarsi: (Diesel loco shed) Scrap Yard & SMM ward:** Completed. Inaugurated by GM/WCR on 22.07.2015.
- (ii) **Jabalpur- Camtech design 20 coach pit line at old loco shed:** Pit line Completed & commissioned.
- (iii) **Kota WRS- Re-roofing:** Work completed.

(10) Staff Quarters plan head-51

- (i) **Reconstruction of Type III 48 units at Kota:** Work Completed in June 2015.
- (ii) **Narsinghpur- Replacement of quarters (type-II-90 units):** 08 units type-II quarters at Bagratawa completed.

(11) Other specified works Plan head-64

- (i) Setting up of new Zone
 - Officers Club in Rail Saurabh Colony), Jabalpur: Work completed & inaugurated by Shri A. K. Mittal, CRB on 09.05.2015.
 - Construction of Compost Bin at Rail Saurabh Garden Jabalpur: A four partitioned bin has been constructed to provide manure for plants of garden and nursery by conversion of dead leaves to compost with the help of earth worms & micro-organisms. The bin has four partitions, an Open top with a weld mesh shelf below, supported on side walls and pillars 60 cm above floor. Each Partition has opening below mesh so as to shovel out the compost easily.
- (ii) **Kota- Construction of RPF barrack:** completed.

(12) Survey works

- **Field survey completed**
 - (i) Sagar - Chattarpur - Khajuraho - Bhopal.
 - (ii) Chhindwara-Gadarwara-udaipur-jaisinagar-Saugor-Banda-Badamalhara Khajuraho.
 - (iii) Damoh-Hatanagar-Khajuraho.
 - (iv) Ujjain-Ramganjmandi

4B. Works completed by Open line during 2015-16

Sr. No.	Work Name
	PLAN HEAD-42
1	Construction of CC pathways at Satna DN yard
2	Construction of pathway on the offside of the PF no. 1 & 2 at JBP station.
3	Covering of drain of JBP station.
4	Tuglakabad - Creation of wheel parking facility at Electric loco shed (08-09)
5	ELS/Tugalakabad - Setting of facilities of bearing room (10-11)
6	Tugalakabad -Effluent Treatment Plant at.ELS/Tugalakabad shed
7	New Katni Jn - Augmentation of routine overhauling shed at carriage & wagon depot to achieve routine overhauling of 500 BOX-N wagons / month
8	Itarsi (Electric Loco Shed) - Augmentation of capacity from 100 to 120 locos
9	New Katni (Electric Loco Shed) - Augmentation of capacity from 100 to 120 locos
10	Itarsi (Diesel Loco Shed) - Augmentation & upgradation of facilities
11	New Katni Jn - Extension of light scheduled repair shed (25 m), complete re-roofing by aluminum sheets (3 sheds) and suitable flooring in diesel shed
	PLAN HEAD-51
1	Hoshangabad - Provision of 4 units type - III and 4 units type - IV quarters for senior supervisors (09-10)

Sr. No.	Work Name
2	ADEN Shajapur section : RB - II quarters (6 units) .
3	Rewa - Provision of 8 units type-III quarters for different departments (09-10)
4	Mahagaon/ Jukehi - Construction of 2 units type-III and 8 units type-II quarters for Engg. staff
5	Shifting of gangchawl
6	Kota Ruthiyai Section:- Construction of 8 units Type-II qtrs. for Traffic staff on replacement basis of old non standard type-I quarters
7	Kota Division - Replacement / providing 01 unit type III and 04 unit type II quarters at Rawanjna Dungar station for unit No.52
	PLAN HEAD-52
1	Harda: Provision of RCC tank
2	Katni - Katni Murwara,& New Katni Jn- Re-roofing of damaged roof of quarters in colony by AC sheets (Total No of qrs RB-I,391 units)(07-08,JBP)
3	Jabalpur - Provision of fencing for protection of Astro turf and improvement to front parking of Railway stadium,(09-10)
4	Jabalpur Division - Provision of facilities for physically handicapped persons (09-10)
5	Jabalpur-Provision of centralised Air cooling system in FA & CAO's office WCR,Jabalpur (OOT 10-11)
6	New Katni Jn- Rehabilitation of unsafe canteen building at Electric Loco shed (10-11)
7	New Katni Jn-Replacement of courtyard/lavatory/bathroom door etc.
8	Shamgarh- Providing 2 bore wells along with replacement of old damaged pipe line to improve water supply in quarters in AEN /SGZ section (08-09)
9	Kota - Arresting to roof leakage by polymer torch shield surface on flat roof of staff quarters in SSE/ Works/ II/ Kota's jurisdiction
10	Kota Division:- Rewiring of staff quarters
11	Laban : Provision of watering arrangement in staff quarters and service building
12	WRS/ Kota : Renovation of community hall
	PLAN HEAD-53
1	Guna - Raising of height of medium level platforms to high level and provision of washable apron (RB 09-10)
2	Bhopal- Improvement to dado of main station building
3	Bina - Provision of COP on uncovered area of platform no. 1 and replacement old A.C. sheets by Aluminium, sheets on platform no.2
4	Itarsi - Rehabilitation of undulated surface of platform no. 1,2/3 and 4/5 for convenience
5	BPL- Development of IInd entry with drive in parking facility
6	BPL-improvement of circulating area on east side
7	Itarsi :-Provision of washable apron on P/F no 6
8	Satna - Repl. of damage pipe with 250 mm dia pipe with intake/jack well & infiltration galleries between Satna river & filter plant
9	Pipariya & Narsinghpur - Provision of facilities for physically handicapped persons
10	Jabalpur - Washable apron at PF. no.5.
11	Katni South: Upgradation of down platform.
12	Katni South: Provision of high level platform for by passing Katni for trains towards BSP and SGRL alongwith provision of basic passenger amenities.
13	JBP- Provision of washable apron on PF No.6
14	(LAW 13-14) Malkhedi-Provision of asphalted approach road,One bay COP on each
15	CAMTECH design water filling at Kota
16	Kota Division - Provision of high level platform at 'E' category 09 stations
	PLAN HEAD-64
1	Guna - Provision of ADSTE's office (09-10)
2	Guna - Provision of Senior.Subordinate rest house (09-10)
3	Protection wall cum drain at cutting on LC No.120 Panihar - Gwalior section.

5. Level Crossing.

(i) **Level Crossings** Total No .of level crossings under various classifications during 2015-16:

Sr. No.	Classification of level crossings	Number of level crossings	Sr. No.	Classification of level crossing	Number of level crossings
1	Special class	117	5	C-Class/Unmanned	0
2	A- Class	58	6	Canal/Manned	1
3	B- Class	89	7	Canal/Unmanned	0
4	C-Class/Manned	435		Total	700



Level crossing



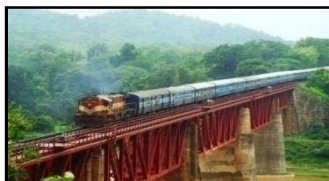
Train Passing at crossing



Level crossing

6. No. of level crossings during 2015-16:-

➤ manned	=	9
➤ additional staff provided without up gradation	=	Nil
➤ provided with lifting barriers	=	Nil
➤ traffic census has been taken	=	193
➤ downgraded	=	Nil
➤ de-manned	=	Nil
➤ closed	=	110



Railway Bridge near ET



Bridge at Bagra Tawa



Rly. Bridge near Habibganj

7. Bridge Statistics

There is 6582 Nos. of Bridges on this Railway. Out of these 124 Nos. are Important Bridges with linear waterway of 21105 m, 519Nos. Major Bridges with linear waterway of 19026 m and 5939 Nos. are minor Bridges with linear waterway of 20426 m.

Sr. No.	Bridge Category	Waterway in metres			
		BG	MG	NG	Total
1	Important Bridges	21105	-	-	21105
2	Major Bridges	19026	-	-	19026
3	Minor Bridges	20426	-	-	20426
	Total	60557	0	0	60557

8. Bridge works completed during 2015-16

a) Rehabilitation of Distress Bridges.	:	00
b) Replacement of Girder by slab.	:	07
c) Removal of speed restrictions.	:	12

9. Progress of Bridge works:-

1. Rehabilitation of Bridges during 2015-16 under plan head (PH-32) bridge works up to the end of March **2016**.

Item	Target for 2015-16	Progress for 2015-16	% of progress
Rehabilitation of Bridges	60	72	120.00 %
Total	60	72	120.00 %

2. Expenditure during 2015-16 under plan head (PH-32) bridge works up to the end of March **2016**.

Allocation	Final Budget Allotment for 2015-16 (in crore)	Expenditure during 15-16 (in crore)	% of expenditure
DRF	31.11	31.51	101.25%
Total	31.11	31.51	101.25%

10. Progress of ROB/RUB/LHS works:-

1. Progress of ROB/RUB/LHS during 2015-16 under plan head (PH-30) up to the end of March **2016**.

Item	Target for 2015-16	Progress for 2015-16	% of progress
Construction of ROB	5	3	60.00 %
Construction of RUB/LHS	73	90	123.28 %

2. Expenditure during 2015-16 under plan head (PH-30) ROB/RUB/LHS works up to the end of March **2016**.

Allocation	Final Budget Allotment for 2015-16 (in crores)	Expenditure during 2015-16 (in crores)	% of expenditure
SF	187.65	187.69	100.01 %
Total	31.11	31.51	100.01

11. Earnings

Sr. No.	Description	Actual earnings for the year 2015-16 (₹ in lakhs)
1.	By sale of matured and dry trees	0.13
2.	By licensing land for GMF	0.00
3.	By licensing land for Tehbazari/Shopping	93.60
4.	By commercial licensing	2453.44
5.	Earnings from oil companies . bulk oil depots/retail outlets	0.00
6.	Lease of land to Govt. Deptt/PSUs	0.00
7.	Way Leave facilities & easement rights	3228.55
8.	Others	396.35
	Total	6172.07

4. वाणिज्य/COMMERCIAL

Earnings:

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

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
1338.06	1414.82	1412.45

(5.56% above to last year and 0.17% below the target)

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

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
1390.04	1469.20	1327.49

(4.50% below the last year and 9.65% below the target)

Reasons of not achieving target:-

- Diversion of short distance traffic 1-150 km slab of towards road due to improved road conditions, introduction of metro services in large cities and increase in small vehicles (4 wheeler and two wheelers) and adverse punctuality of passenger trains.
- 4 consecutive untoward incidences viz. Gurjar Agitation over Kota Division from 21.05.2015 to 29.05.2015 (i.e. 9 days), Fire at RRI-ET from 17.06.2015 to 21.07.2015 (i.e 35 days), Washout of track between KKN-Bhirangi stations of KKNW-ET section of Bhopal division from 03.08.2015 to 12.08.2015(i.e. 9 days)) and JAT Andolan (20.02.16 to 23.02.16(i.e.4 days).
- Increase in No. of cancellation of trains due to various reasons like fog, maintenance of tracks, NI works at different sections.

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

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
3883.82	4177.74	4090.57

(5.32% above to last year and 2.09% below to the target)

Reasons for Shortfall in loading: Loading of Cement, Food grains, POL, Iron Ore and other commodity has dropped as compared to target.

- Cement & Clinker: Poor demand in the industry.
- Coal: Lease agreements of coal mines were not renewed by state Government for considerable time.
- Food grains: Unseasonal rains has badly affected the loading, although loading of food grains was 2.04% above the last year. The loading of food grains suffered due to frequent rain in the area.
- POL: There was a total loss of 0.04 mt of loading in this segment due to Bina refinery plant shut down from 01/04/15 to 30/04/15 for the whole month in April and 7 days in Dec 15, this has resulted to loss of 0.10 mt and GAIL unit was also shut down for 20 days in Aug 15 and 19 days in Jan 16 was resulted to loss of 0.011mt.
- Iron ore: Dropped due to poor demand in the industry.
- Others: Other commodities mainly constitute DOC, Bauxite, Lime and Lime stone to other than steel plants. DOC loading dropped due to crop damaged on account of unseasonal rains.

The overall loading of WCR has suffered a setback of 1.44 mt due to problem of Majhauli, Gurjar Agitation and fire at Itarsi RRI. Details are as under:

S.N.	Reason	Period	No. of Days affected	Loading loss in MT
1	No loading at Majhauli due to lease problem	01-04-15 to 25-05-15	55	0.86
		17-03-16 to 29-03-16	13	0.20
2	Fire at ET RRI	17-06-15 to 22-07-15	36	0.30
3	Gurjar Agitation	21-05-15 to 29-05-15	9	0.8
Total			113	1.44

- As FCI and Private Loaders are complaining about excessive punitive charge for weighment of the rakes at en-route/ associated weighbridge. After introduction of new rule of standard bags since Oct 15 issued by Railway Board 100% rakes of food grains are weighed en-route, this has led to realisation of punitive charges due to erratic readings of weighbridge. Merchants are representing for non realisation of punitive charges giving evidence of erratic readings of weighbridge. As punitive charges are almost 60 to 70% of freight, merchants are diverting their traffic towards road for a lead up to 500 kms.

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)	2015-16 (Target)	2015-16 (Actual)
121.54	125.00	125.23

(3.03% above the last year and 0.18% above the target)

Reasons for Drop as to target:-

Commercial Publicity - Yearly Target for commercial publicity given by railway board is 12.20 crores which was too high i.e +87.69 % over last year target. As per new policy guidelines there is no escalation of license fees up to period of 3 years in any contract.

Media – wise commercial publicity earnings (In lakhs₹) over WCR for the month of March-

SN	Media	Cumulative from April		Difference in %	Reasons
		2014-15	2015-16		
1	Trains				
	Vinyl Wrapping including wagon painting	105.87	103.35	-2.38	
2	PRS ticket	8.12	0.00	-100.00	Due to change in specification of PRS ticket, Tenders being invited as per new specifications
3	Stations				
	Bulk right (stations)	415.59	512.27	23.26	
	Boards/Posters	2.89	8.11	180.62	
	Hoardings	106.52	175.74	64.98	
	Neon/Glow signs	8.53	7.95	-6.80	
	CCTV	13.00	1.13	-91.31	
	Fare Repeaters	0.00	4.77	-	
	Public Address system	4.60	7.91	71.96	
	Weighing machine	1.03	0.22	-78.64	
	Wall paintings	0.35	0.32	-8.57	
	Other Media	2.93	6.90	135.49	
	Total (Stations)	555.45	725.32	30.58	
4	Advertisement on L. C. Gates	0.00	7.59		
	Grant Total	669.45	835.79	24.85	

- Contract for BCN wagons @ 12210/- per wagon for 600 wagons. Earnings in 2015-16: ₹33.63/- lakhs for 300 wagons.

➤ Contract for BOXN wagons @ 3373/- for 600 wagons. Earnings in 2015-16: ₹20.23 lakhs. More areas of publicity like advertisement through Public address system, radio jockey, and video wall at JBP, KTE and Rewa stations, fare repeater are being explored to enhance publicity earnings in coming year.

Parking: - The Target given by Railway Board for parking was 40% more than last year earnings. Steps are being taken for rationalization of rates of parking and introducing new parking areas for taxi, passenger vehicles and prepaid booth at important stations. New policy of parking is with FA&CAO for approval of GM.

Retiring Rooms:- Due to large cancellation of trains earnings from retiring rooms has adverse affect.

STD & PCO:- Due to popularization of mobiles STD & PCO booth is not a popular contract and no substantial offer comes.

V. Other coaching earnings : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
133.62	133.51	131.83

(1.34% below to last year and 1.26% below the target)

Reasons of Drop in other coaching as to target:-

- Due to disturbances on account of Gurjar andolan, RRI failure, washout at Bhirangi station and NI works at BPL division a large number Mail/Express and passenger trains were cancelled.
- Reduction in running of Mukhya Mantri Teerth yatra+ Bharat Darshan Special. Total 69 special trains run in 2015-16 against 77 in last financial year.
- There are vacancies of 325 ticket checking staff against Sanctioned Strength leading to less recovery /earning out of ticket checking squads.

VI. Ticket checking cases : (Without ticket+Irregular travellers+UBL Cases) (In ₹00s)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
873.91	1182.00	943.69

(7.98% above to last year and 20.16% below the target)

VII. Ticket checking earning : (Without ticket + Irregulars+ UBL Amt) : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
39.96	No targets	45.41

(13.64% above to last year)

VIII. Parcel and luggage : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
28.27	31.50	29.49

(4.30% above to last year and 6.40% below the target)

Increase in No. of cancellation of trains due to various reasons like fog, maintenance of tracks, NI works at different sections and disturbances.

IX. Catering : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
8.18	No targets	9.17

(11.99% above to last year)

In the current year 4 TSV contracts (2 end to end and 2 Sectional TSV contracts), 2 Pantry Car contracts and 4 Jan-Aahar contracts were allotted.

X. Parking : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
4.07	5.70	4.70

(15.25% above to last year and 17.62% below the target)

Reasons of not achieving target:-

Target given by Railway Board₹ for parking has been fixed 40% more than last year earnings which are unrealistic and quite high to achieve.

XI. Publicity : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
6.69	12.20	8.36

(24.90% above to last year and 31.49% below the target)

Reasons of not achieving target:-

Target given by Railway Board₹ for publicity is 87% more than that of last year earnings which is quite high to achieve. There is no yearly escalation clause in publicity contract upto 3 years.

XII. Retiring Rooms : (Amt. in Crores₹)

Last year₹ (actual)	2015-16 (Target)	2015-16 (Actual)
1.14	1.30	1.18

(3.09% above to last year and 9.29% below the target)

Reasons of not achieving target:-

Increase in No. of cancellation of trains due to various reasons like fog, maintenance of tracks, NI works at different sections and disturbances.

XIII. Outstanding Position (Amt. in Crores₹)

	2014-15(Mar-15)	2015-16(Mar-16)
Opening balance as on 1st April	663.12	714.12
Fresh	7366.01	5851.45
Clear	7237.45	5764.49
Closing balance Mar	714.12	722.05

XIV. Cash safe running

Cash safe running for ensuring daily clearance of cash from Roadside stations was above 96% in almost all sections.

XV. Coaching Refund no of cases

	2014-15	2015-16	% Var. over
Opening balance as on 1st April	145	601	
Fresh cases	34202	31042	-9.24
cases disposed off	33746	31162	-7.66
Closing balance at the period	601	481	

XVI. Goods Refund Cases (Cases in No.)

	2014-15	2015-16	% Var. over
Opening balance as on 1st April	27	37	37.04
Fresh cases	118	410	247.46
Cases disposed off	108	148	37.04
Closing balance at the period	37	299	708.11

XVII. Demmurae Cases (Cases in No.)

	2014-15	2015-16	% Var. over
Opening balance as on 1st April	1	9	
Fresh cases	164	158	-3.66
Cases disposed off	156	158	1.28
Closing balance at the period	9	9	0.00

XVIII. RCT/Claim/High court cases 15-16

	124	124-A	Claim	High court	Total
Opening balance as on 1st April	2	1851	97	126	2076
Fresh Filing	14	376	10	62	448
Decided in favour	-	131	-	-	81
Decided against	2	163	5	19	187
Closing Balance	14	1933	102	169	2218

XIX. No. of Complaints

	14-15	15-16	% Var. over
No. of Complaints	607	713	17.46
Disposed off	605	711	17.52

XX. Fund allotted and utilization thereof in PH-53 and PH-17

	Fund allotted	Fund utilised	%
PH-53 (Rs in thousand)	632188	636098	100.61%
PH-17 (Rs in thousand)	38700	37837	97.77%

On plan head 53 we have spent more than the allotted money which is a commendable effort.

XXI. No. of extra coaches attached

	2014-15	2015-16	% Var. over
No. of extra coaches attached	6337	2796	-55.88
Permanent Augmentations coaches	6	23	283.33

Temporary augmentation of coaches (April –March 2016)

No. of Coaches Attached	Total Berths augmented	Total Earnings
2796	2.37 Lakhs	7.08 Cr

Permanent augmentation of coaches (April –March 2016)

	Total Berths augmented	Total Earnings
15 train augmented by 23 reserved coaches	1.81 lakhs	19.45 Cr.

XXII. List of passenger amenity work done in this year (2015-16)

Item	Description	Remarks
ISS	Monitoring of cleanliness activities through CCTV Cameras installed under ISS has been started over WCR. At present total 5 stations namely JBP, BPL, KOTA, ET and SWM are covered for monitoring of cleanliness activities through CCTVs.	SWM station came under this monitoring on 04.04.2015. Now cleanliness at SWM station is regularly monitored through CCTV cameras display through control room established with LED screen display in SS/Office, SWM station
TSV	To cater the catering needs of passengers in trains without pantry car Train Side Vending (TSV) awarded in 3 trains 12061/62, 12059/60 and 12187/88.	Train side vending contract on end to end basis has been awarded in train no. 12061-62(JBP-HBJJanshatabdiexpress 21.03.15), 12059/60 (Kota-NZM Janshatabdi express 12.05.15), 12187/88 (JBP-CSTMGaribrath express 24.07.15) & inGWL-MKC. GWL (18.05.15) and KTE-MKP-KTE (02.08.15) section. An earning of ₹ 173.10 lakhs is expected per year from these contracts.
Pantry Car	Two pantry car have been allotted on contract basis for the year.	Train .no. 11449/50 JBP-SVDK Exp (14.07.15) Train No 12193/94 JBP-YPR Exp 25.07.15
RRM/Jan Aahar	Jan aahar have allotted at 4 stations i.e. JBP, SWM, KTE, & SGO.	20.07.15(KTE) 01.01.16(SGO) 01.03.16(JBP) 15.03.16(SWM)
Lift facility	Two lifts have been commissioned at Jabalpur station on 07.11.2015, Two lifts commissioned at Kota on 16.08.2015.	Already two lifts are available at Habibganj station
YTSK YatriTicket Suvidha Kendra	HBJ-15.10.2015 (BPL Division) SGO-14.03.2016 (JBP Division)	It is a new scheme launched by Railway Board. First YTSK over WCR has been started at HBJ on BPL div.
UTS	UTS commissioned at 2 locations (Chaurakhedi-03.12.15 on KOTA Div and Miyana -16.12.15 on BPL Div newly converted to E-category)	UTS facility is available at total 263 UTS locations of WCR. All E-category stations have been provided with UTS.
UTS cum PRS	UTS cum PRS commissioned at Katni south station on 16.10.2015	UTS cum PRS facility are available at total 56. In addition for Refund purpose : 34 stations UTS cum PRS during night hours i.e. 11 (BPL), 11(JBP) & Kota(12)
ATVM	Total 16 ATVM Machines have been installed on WCR. (upto Mar-16)	This is in compliance of operation 5 minute as directed by Honble MR during Budget Speech of 2015-16.
JTBS	3 New JTBS has been installed during the year	Total 95 JTBS are working in 36 stations of WCR.
STBA	13 New STBA has been appointed over WCR.	As per new guidelines issued by Railway Board STBS is now re-designated as STBA. Total 25 STBA are working on WCR.

Item	Description	Remarks
PRS	Post Office PRS:- New PRS location commissioned at Rewa Post office on 31.12.15 (Rewa City PRS closed). Defense PRS: Two more Defence PRS commissioned at SGO and PPI.	At present PRS facility is available at 49 locations of WCR.
Deluxe Pay & Use toilets	Deluxe toilet has been awarded at Kota station on 02.10.2015 on BOT model.	07 Deluxe toilets are functioning at stations over Jabalpur divisions. Process for providing deluxe toilet at Bhopal station is on the final stage.
Mechanized cleaning contracts	Process of preparation of SBD for Integrated Cleaning Contracts (ICC) is being initiated for Satna, Bhopal and Bharatpur station over WCR.	As on date, 23 stations have been covered by mechanized cleaning contracts
MPLAD Fund	Division wise funds received and benches installed are as under: JBP Fund ₹44.44 lakhs -341 benches installed BPL Fund ₹59.07 lakhs - 576 benches installed KOTA Fund ₹ 18.40 lakhs - 93 benches installed	
Station upgradation	Vidisha	1- To monitor cleanliness at station and to keep a close watch over functioning of PRS/UTS counter, installation of CCTV Cameras at Vidisha Station has been inaugurated on 26.05.2015 2- Renovation of platform at Vidisha.
	Sanchi	Renovation of platform at Sanchi on date 26.05.2015.
	Saurai	Laying of foundation stone of proposed new Goods Shed at Saurai on 26.05.2015.
	Damoh	An upper class waiting room has been inaugurated at Damoh station on 30.05.2015.
	Jabalpur	2 new platforms at Jabalpur station was opened for use of passengers on 01.06.2015.
	Habibganj	Extended COP at PF no.1 and washable apron of PF nos.2 &4 at Habibganj station were inaugurated on 06.06.2015.
	Bayana	Washable apron and extended Pf no.2/3 at Bayana station was inaugurated on 06.06.2015.
	Katni	new PRS office at Katni station was inaugurated on 08.06.2015.
	SWM	FOB was inaugurated at Sawai Madhopur station on 09.06.2015.
	Satna	Ramp was inaugurated at Satna station on 26.06.2015.
FOBs	New FOBs / Ramp were provided at SGO FOB- BPL	

XXIII. Other achievements (2015-16)

Item	Description	Remarks
TMS	Two more TMS locations commissioned at Beora Rajgarh goods shed and Ganj Basoda Goods shed on 15.09.15 and 26.09.15 respectively.	At present, 75 TMS locations are in WCR and issuing 100% computerized RRs from these locations.
Private freight Terminal	Opened at Powarkheda in Bhopal division on 28.01.2016	Now two PFTs are working on WCR
Video wall in circulating area on publicity mode	Video wall for publicity has been provided at JBP, KTE & STA	An annual earning of ₹.5.20 lakhs is being received from such contract
Publicity through PA system	Commercial publicity through PA system started at 7 stations of Jabalpur division (JBP, KTE, PPI, SGO, DMO, NU & GAR)	An annual Earning of ₹ 8.60 lakhs is being received.

5. विद्युत/ELECTRICAL

1. Performance of Electrical Department: 2015-16

1.0 Highlights

- WCR has second **highest** electric loco holding of **594** on Indian Rlys.
- During august 15, AOH/IOH of **eight** locos has been done at ELS/NKJ which is **best ever performance** during last two years. Similarly, minor schedule of **75** locos has been completed which is best ever performance for 2015-16.
- Electric Loco Shed Itarsi has developed “**Hindi e-Library & Library management software**”. It was developed by itarsi shed, for monitoring and controlling transaction of books in all the Hindi libraries of Bhopal division. It also provides facility for downloading and reading of e-books near about 100 in numbers on Hindi literature.
- Electrical Safety Week/ Seminars were organised by Electrical deptt./WCR. Special drive were launched to counsel Loco Pilots, Asstt. Loco Pilots and Trip shed staff regarding safety measures to be taken while working on electric locomotives.
- Meditation camp was organized at Kota Lobby training centre from 14.05.2015 to 18.05.2015. Training was given by experts of Brahm Kumaris Rajyoga sansthan by using audio visuals slides and movies on meditation.
- On **International Yoga Day**, Yog Camp was organised to encourage running staff regarding health and stress management. Yog experts were invited for training. Loco Pilots, Guards and Loco Inspectors participated and efforts were appreciated by running staff.



- Training of local youth was organised in Computer Applications, Welder, Machinist and Electrician under **Prime Minister Skill Development Programme**. Lectures were also delivered on Yoga and Personality Development at ELS/TKD. Under **Railayatri/Upbhokta Pakhwada** which is directed towards Passenger Amenities/Customer Facilitation, a skill development course on electrical wireman trade at Basic Training Centre/New Katni Junction was organised. Aim of this course is to turn unskilled person into such skilled hands who are not only capable of earning but also respond effectively & efficiently to modern day market demands on a wireman.
- **Swatch Bharat Abhiyan**
Under Swachh Bharat Abhiyaan, regular intensive cleaning is being at Electric Loco Sheds, offices, coaching complexes, passengers related places etc.

1.1 Loco

- Bhopal div.: Signal Location Chart printed in 2010-11 was quite old and required changes. New changes such as IBS and new station Hanotiya (Bina-Guna section), 3rd lines between Betwa - Gulabganj and Deewanganj - Sookisewaniya sections and their signals have been added in new signal location chart. A blank space kept in new signal location chart for proposed signals of third line. This updated new Signal location chart will be helpful for day to day working of Running Staff.
- LED type Tube lights have been fitted in place of CFL lights in five 3-phase locos.
- At Sagar Running Room **'Computerized Running Room Management System'** has been commissioned on 31.01.16.
- In Sagar & New Katni Junction Crew Lobbies **'Leg Massager Machine'** has been provided for improving physical fitness of LPs / ALPs.

1.2 Traction Distribution

- After getting the sanction of Commissioner of Railway Safety (CRS)/Central Circle/Mumbai for opening of 25 KV AC 50Hz single phase Electric Traction for public carriage of passengers and goods traffic in Ramganjmandi-Jhalawar city section, the section **opened** for electric traction on **26.02.16**. Accordingly on 10th March 2016, first passenger train has arrived at Jhalawar city station hauled by AC loco.



- After receiving EIG sanction, OHE from Rajasthan Rajya Vidhyut Utpadan Nigam Limited Railway Siding to JLWC including Railway marshalling yard has been energized at 25 kV AC on 31.03.16. Thermal power plant authorities welcomed first train arrived by AC loco.
- Work of replacement of Numerical type relay control panel has completed and one commissioned on 13.06.2015 at Hindaun/TSS.



Earlier



At Present

1.3 General Services

- Kota Div. - **Two** Passenger Lifts at Kota stn. Platform no. 1 & 3 has been commissioned on 16.08.15.

- **Status of Escalators: Total sanctioned : 18 (under PB/LB works)**

Escalators	JBP Div	BPL Div	Kota Div
Provided	2	2	2
Under Progress	6 (02 each at JBP, KTE and STA stn)	4 (02 each at BPL and ET stn)	2 (Kota stn)
Target	JBP- Sep,16 STA-Jan,17 KTE-Mar,17	BPL- Dec,16 ET -Feb,16	Oct,16

Status of Lifts: Total sanctioned: 26 (under PB/LB works+other works)

Lifts	JBP Div	BPL Div	Kota Div
Provided	2	3	2
Under Progress	7 (2 JBP, 2 SGO, 2 MYR & 1 STA stn)	7 (3 BPL, 2 ET, 2 Bina stn)	2 (SWM)
Target	Sagaur- Jan 17 Satna- Feb,17 Maihar- Mar.17 Jabalpur-Dec,17	Bin- Sep, 16 BPL-Nov.16 Itarsi- Dec,16	Dec,16

- **18 point Mobile Charging points :**

Item	Total population	Completed
Mobile charging point		
(a) Sleeper class	341	178
(b) GS	467	36

Two point mobile charging points are available in 682 out of 1037 non-AC coaches.

- 42 stations have been provided with LED lights. Bundi and Indragarh station are green energy stations.
- All eligible stations are provided with water coolers (Status-250 water coolers)

2. INFRASTRUCTURE

2.1 Loco: Electric Locomotive Holding

Shed (Div)	11-12	12-13	13-14	14-15	2015-16 (As on 31 st March 2016)							% Var. 14-15 & 15-16
					WAP ₇	WAP ₄	WAM ₄	WAG ₅	WAG ₇	WAG ₉	TOT	
NKJ (JBP)	173	188	188	188	--	--	--	114	79	--	193	2.7
ET (BPL)	171	175	175	191	--	75	20	99	--	--	194	1.6
TKD (KOTA)	178	188	203	200	27	--	18	79	24	59	207	3.5
Tot	522	551	566	579	27	75	38	292	103	59	594	2.6

2.2 Traction Distribution (Tr.D)

Items	2011-12	2012-13	2013-14	2014-15	2015-16			
					JBP	BPL	KOTA	Total
Electrified RKM	1594	1594	1594	1601	283	609	735	1627
Electrified TKM	3693.3	3752	3752	3786	714	1543	1713	3970
Tract Sub-Station	23	25	25	25	4	11	10	25
Tower Wagon 4W	25	26	30	29	4	12	13	29
Tower Wagon 8W	7	8	9	9	2	4	3	9

2.3 General Services (OSM and TL/AC) Power Line Group

Assets	2011-12	2012-13	2013-14	2015-16	2015-16			
					JBP	BPL	KOTA	Total
DA set	87	87	88	88	42	35	11	88
Pumps	581	581	581	593	216	202	175	593
Water coolers	398	404	404	404	142	131	131	404
AC Units	665	665	665	1057	499	298	260	1057
Transformers	189	189	189	191	48	69	74	191
HT Points	59	59	59	64	20	17	27	64
Electrified Quarters	27156	27703	27237	24898	8605	7639	8705	24949

AC/TL Coaching Stock

Div	2011-12		2012-13		2013-14		2014-15		2015-16	
	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	450	95	455	124	461	132	474	136	478	163
BPL	343	32	386	51	372	52	341	42	348	43
KTT	202	11	236	15	250	23	294	23	305	26
Tot	930	128	1077	190	1083	207	1109	201	1131	232

Major Maintenance Depot:

JBP Division - JBP, KTE, REWA
BPL Division - BPL, HBJ, ET, BINA
KOTA Division - KOTA

3. Performance of Electrical Deptt. 3.1.1 Locomotives (Territorial)

(± improvement and ± deterioration)

SN	ITEMS		2012-13	2013-14	2014-15	2015-16	%age Var. 14-15 & 15-16
1	Accident cases on crew/ loco account (nos.)		0	0	0	0	--
2	Engine failure (SF) (nos.)		69	68	67	60	10.4
3	Punctuality loss (nos.)	Incidences	142	129	110	117*	6.3
		Trains	222	170	160	188*	17.5
4	Stalling (nos.)		89	71	67	50#	25.3
5	Loco Outage						
	Av. Daily Freight loco		155.16	146.7	157.5	159.5	1.2
	Av. Daily Coaching loco		64.16	56.42	58.74	59.09	0.5
	Total		219.3	203.1	216.2	218.6	1.1
6	Coaching Trains run by AC loco		89277	91999	96513	93247\$	-3.3
8	10 hrs. Performance (W/M to W/S < 10 hrs (%age)		89	89.94	90.92	89.70	-1.3
9	12 hrs. Performance (S/on to S/off < 12 hrs.) (%age)		90.85	90.48	92.40	94.26	2.0

Above figures marked (*) **do not include** following cases

	Incidences(Trains)
Territorial	19 (25) **
Wrongly logged on electric loco by Traffic deptt.	15 (20)
Stalling (wrongly shown by Traffic deptt.)	1 (1)
Load jam,	1 (1)
Delogging not accepted at Hq level even though recommended by ADRM	1 (1)
initially shown on traffic account , Later on wrongly logged on Indirect AC loco (IELC) account by traffic/Hq,	1 (2)

Out of **50** cases, **13** cases can be excluded [**04** cases on account of wrongly logged (delogging not accepted by traffic/Hq), **01** case on account of load jam, **01** case on account of oil/grease on track and **03** cases on account of signal against/ gate signal ON- thus LP stopped train and **04** cases due to bad weather].

\$ Coaching trains affected due to Gurjar agitation in Kota division during May^d15 (from 21.05.15 to 31.05.15) and RRI/Itarsi accident during Jun. & Jul.^d15 (from 17.06.15 to 22.07.15), submerging of track in BRI-KKN section of BPL division during Aug.^d15 (from 04.08.15 to 12.08.15) and cancellation of trains due to Interlocking work at Palwal station in NR during Oct^d15 (from 05.10.15 to 11.10.15). Cancellation of Mail/Exp. Trains from 08.01.16 to 29.01.16 due to fog season 2016.

3.1.2 Electric Loco Ownership Performance

SN	ITEMS	2012-13	2013-14	2014-15	2015-16	%age Var. 13-14 & 14-15
1	Loco Failures (SF)	175	166	193	188	2.5
2	Punctuality loss (nos.)					
	Incidences	120	142	183	116#	36.6
	Trains	190	245	298	191#	35.9
3	Freight Loco Outage	404.2	406.1	411.7	417.0	1.2
	Coaching Loco Outage	92.49	107.9	114.3	116.7	2.0
	Total	496.7	514.1	526.1	533.8	1.4
4	Healthy UES (% age)	71.4	77.3	80.48	87.18	8.3

Above figures marked (#) do not include following cases

	Incidences (Trains)
Punctuality Ownership	47 (68)*
Wrongly logged on electric loco by Traffic deptt.	16 (18)
Lost in FR on FR crew account	15 (23)
Transient trouble/ checked found normal	6 (10)
Lost due to CLW items	3 (6)
Lost due to stalling	7 (11)

3.2 Traction Distribution

SN	ITEMS	2012-13	2013-14	2014-15	2015-16	%age Var. 13-14 & 14-15
1	OHE failures (nos.)	19	11	04	01	75
	Tr.D Failures overall (nos./1000 Tkm/month)	0.042	.024	0.088	0.021	76.14
2	Punctuality loss (nos.)	67	46	45	38 (38-14)*	15.55 46.67*
3	SEC					
	Goods (Bd Target 7.00)	7.44	6.62	6.88	6.50	5.52
	Chg. (Bd Target 18.42)	18.52	18.49	18.58	18.51	0.37

* Following cases **should not** be included since on account of-

Incidences causing punctuality loss of Trains	Cases
Defective pantograph	2 (10 trains)
Bad weather- CB tripped	1 (1 trains)
MESEB grid supply fail	1 (1 trains)
Monkey climbed on OHE	1 (2 trains)
Total	5 (14 trains)

3.3 TRAIN LIGHTING & AIR-CONDITIONING

SN	ITEMS	2012-13	2013-14	2014-15	2015-16	%age Var.13-14 & 14-15
1	Failure TL/AC (Own.)	25	20	7	16	-128.57
	Punctuality TL/AC (Own.)	33	35	8	25	-212.5
2	Failure TL/AC (Terr.)	35	40	28	51	-82.14
	Punctuality TL/AC (Terr.)	51	55	36	84	-133.33

4 SAFETY

- Safety drives have been launched to measure temperatures of various under frame components of Tower Wagons , to prevent incidences of CBC uncoupling while working coaching trains, to check efficacy and preparedness of Railway systems, to prevent incidents of Signal Passing At Danger (SPAD), to check under gear and safety items of 3-phase locos by Loco Pilots, 15 days to check action taken by LPs/ALPs during CRO, to check action taken by LPs/ALPs during CRO, to check under frame equipments in EMU/ MEMU/Metro/Mainline coaches, to counsel LPs/ALPs Shunters for acknowledgement / resetting of VCD by Loco Pilots only, to ensure working of passenger amenity items at stations, drive to ensure working of passenger amenity items with safety aspects in AC & Non-AC coaches, to check safety items, brake rigging items, under slung equipments including TM& & Bogie& parts, slings etc. of all 3-phase electric locos, for joint checking of Pantographs on Electric locos by TRS/TRO&TRD Supervisors, for counseling to LPs/ALPs not to engage themselves in collecting their belongings just before arriving their destination /crew changing points.
- Steps taken to reduce **SPAD** cases:-
- 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.
- Running staff are counseled for calling out signal loudly, indicating name of station, signal name and signal aspect.
- 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.
- Identification of alcohol prone LPs for taking reformative measures and close monitoring. Surprise checks during run by BA equipment.
- Weekly Monitoring of 10 Hour working during Safety Meeting at hqs.
- Scientific counselling is being resorted to in weak areas identified through questionnaire amongst ALP/LPs.
- 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.
- Refresher & PME overdue staff is not allowed to perform duty.
- 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 necessity of taking adequate rest while at home before duty.
- 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.
- As a regular measure of predictive maintenance, inspection of OHE by **thermo vision camera** is carried out between Nagda- Bhawanimandi section, Lakheri, Hindauncity, Ramganj Mandi & Chhabragugor/TSS.

- **Status of Corporate Safety Plan Items**

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	92
12	Elimination of critical implantation locations.	56
13	Provision of screens to 1.83 m height on all FOBs to cover gaps wherever existing between lines	18

5. SYSTEM AND RELIABILITY IMPROVEMENT

5.1 Loco

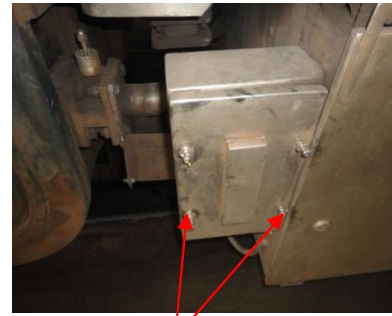
- ELS/Tughlakabad: **Employee Information Kiosk** has been commissioned on **04.07.15**. Now, an employee can see his service related records like Bio-data, salary, leave, PF, Income Tax etc details including Loan & Advances by using PF number.



- **Commissioning of Dynamic Balancing Machine**
Dynamic Balancing machine has been commissioned on **26.09.15** at ELS/Itarsi to check ovality of armature of TM. Thus reliability of TM will be improved.
- ELS/Tughlakabad: **Valve set leakage** testing bench. Has been commissioned, which is useful for testing valve set as well as stucchi coupling in three phase locos and it will help in improving reliability of three phase locos.
- ELS/Itarsi: Microprocessor based **Current Transformer (CT) Testing Machine** has been commissioned on **10.07.15**.
- LS/Tughlakabad: Shed has converted **49** reversers and **50** CTFs of 1000 A to 1500 A with its **own resources**.
- ELS/Tughlakabad: There have been cases of **tripping** of MCB-112 and loss of time due to inability of crew to open the screw, thereby affecting punctuality adversely. In order to overcome this problem, shed has proposed to provide fly nuts with locking facility on screw for easy opening of screw.



Pain Screws



Screws with fixed fly nuts

- **Test Bench for Parking Brake Unit/Tread Brake Unit:**
Has been developed by ELS/Tughlakabad **in-house**. This test bench enables to carry out testing of PBU/TBU, simulating the loco conditions. With the help of this test bench, the reliability of PBU/TBU shall improve.
- Carbon brush bedding Jig: Has been developed for Traction Motor at ELS/ET. This will help in pre-bedding of carbon brush thereby attaining 100% bedding in traction motor & enhancing the overall reliability.
- ELS/Itarsi: SIV Indication panel has been developed in loco modal at BTC of the shed to enhance the practical knowledge of trainees related with SIV trouble shooting



- **Storage of Electronic Cards & equipment**
In order to ensure safe and **moisture free storage** of electronic cards & equipment, storage racks have been provided in Relay (M-2) and Electronics Lab (M-9) sections.
- **Cleaning and RDPT of bull gear**
Cleaning and RDPT of bull gear has been started at ELS/TKD since 01.10.15 during major schedules. It is very good practice to reduce teeth broken cases of bull gear and by adopting this practice, line failure of bull gear may be prevented.
- **Run Test of Traction motor:**
ELS/TKD has started run test of Traction Motor in both directions on the basis of practice in vogue at ELS/BRC. This will certainly improve the reliability of traction motors to a great extent.

5.2 Traction Distribution (Tr.D)

- Kota Division has started provision of Disconnecter Assemblies in existing Las, which permits disconnection of the failed LA and its faster identification.
- To ensure the clear visibility of location numbers by LPs & foot plating officials, 1892 nos. additional retro-reflective number plates, mostly in KTT-GGC section have been provided.
- **“Hydraulic type Tensile Load Testing machines”** has been installed at SWM Tr.D dept/ Kota div. for effective & safe testing of all type of porcelain and composite insulators before providing them at site.
- 2 Km distance (between km 698 to 700) between NAD-RLK Station in Kota Div. is heavy polluted area due to chemical pollution. In this area OHE cantilevers have become rusty & catenary wire brittle and needed replacement. This work involved replacement of 90 cantilever assemblies, 4

anti-creep arrangement, 8 guy rods, replacement of 4 complete tension lengths of catenary & contact wire with dropper & clipping etc. The work has been **completed** successfully.

- Ramganj Mandi TSS/Kota div.: Existing control panel has been replaced by **Numerical type** Control & Relay panel.
- DC supervision relay with alarm and trip function has been provided at all TSS & switching stations of Jabalpur division for monitoring battery voltage. This relay also acts as back up for capacitor tripping device of CB.

5.3 General Services-

- Jabalpur Div.: Solar panels on GS coach no. **94408** have been provided for charging batteries and feeding electrical load during day time. Two trials have already been conducted in train no. **51701** (JBP-Rewa Pass). Additional trials are also being planned to establish reliability of this system.



- **Automation.**

Item	Savings	Remark
Platform lighting by sensor (PLMS)	100.5 kWh/month	PLMS has been provided at Bundi station (Kota Division) for automatically switching OFF/ON of 70% PF lighting

6.0 Innovations:

6.1 Loco

- **Pusher mechanism assembly for CBC & CBC of loco : ELS/New Katni Junction:** Shed has developed pusher mechanism assembly for replacing CBC & CBC of loco. By having this equipment shed is able to **save 64** man hours per AOH/IOH loco.



- **Hot water cleaning plant:**

A hot water cleaning plant for cleaning loco radiators has been developed by ELS/Tughlakabad with **its own resources**. It is mounted on trolley with one 100 litres temperature controlled geyser and one pump with spray jet which operates on single phase 230V supply. **With the help of this plant, the cleaning of loco radiators has improved tremendously.**

- ELS/Tughlakabad: Shed has developed plant for cleaning parts of loco compressors with **its own resources**. Thus, reliability of loco compressors shall improve.
ELS/Tughlakabad: A test bench for SMGR of tap changer locomotives. Shed has developed this test bench with its **own resources**.
- ELS/Itarsi: Shed has developed software module for keeping equipment failure record and maintaining arising of equipment like MPCS, SIV, VCD and ESMON.



- ELS/Itarsi: Shed has also developed Nose pad compression jig with its own resources and manpower to compress nose pad. This will save manpower and will reduce human effort.
- ELS/New Katni junction: **Arrangement of bypassing the after-cooler-** It is seen that there is no arrangement of bypassing the after-cooler during its failure due to CRO or leakage, causing thereby loco failure on line. To avoid this, an arrangement has been made to bypass the after cooler by providing 03 nos additional isolating cock in loco no. 27119 during TOH on 08.02.16.



**additional isolating
cock**

- ELS/New Katni Junction: Shed has developed an **in-house** test bench with its own resources for testing of master controller of conventional locos. It will help checking continuity of master controller interlocks during overhauling so that failure related to master controller interlocks & its conks can be minimized.



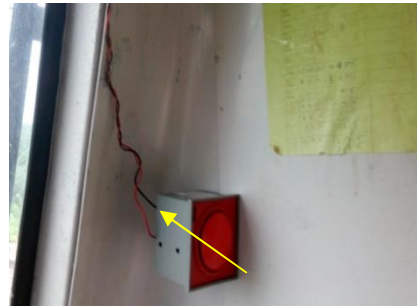
- **Hindi Website:** A website named www.elsitarsi.webs.com in Hindi language has been developed at ELS/ET about loco maintenance literature & other publications published by shed to facilitate downloading of necessary information easily.

6.2 Traction Distribution (Tr.D)

- Kota div.: As an additional safety measure, a buzzer has been provided in driver's cab in one tower wagon of Kota Div. on experimental basis. This buzzer has been **developed in-house** which works on induction voltage of live OHE. If OHE is live then this buzzer will beep, so staff will be cautious & ensure OHE is dead before climbing on the roof of Tower Wagon for maintenance work. Standard OHE supply sensor for rolling stock is available at cost of ₹35 to 40 thousands, but this device **developed in house** is costing only ₹1500.



Arrangement on roof top of TW, which sense the induction voltage of OHE



Buzzer provided in cab of TW

- **Provision of additional isolators:**

Kota Division has provided additional 4 no. isolators at gantry of Gurla/TSS. By this modification TSS gantry can be isolated from OHE side without effecting OHE supply & movement of traffic. This will also be helpful to maintain quality of work in TSS gantry maintenance due to non restriction of shut down time.

Before Modification



After Modification



It will save down time at the un-usual occurrence in case of internal fault in gantry equipment LA, PT & insulator failure. Complete work is executed **departmentally** by officer & supervisory staff of TRD Depot Kota.

- **Measure to improve power factor in TSS:**

To improve power factor for getting incentive in traction energy bills, there are two sets of capacitor banks of 1600 kVAR each exists at Gurla/TSS. These capacitor banks are controlled by single common circuit breaker, so when taken under maintenance, both banks gets off & certainly power factor gets out of range (even when work is required to be done in one Cap. Bank) for that down time. To solve this problem, isolation facility has been made available by providing separate isolator. Now, during maintenance of one cap. Bank, another cap. bank will be in service & power factor is maintained.

Isolator for separation of Cap Banks



- To avoid CB tripping due to encroachment by monkeys in monkey prone areas near Bayana & Hindaun, Kota Divn has provided monkey scare measure on the OHE masts. By this device

monkeys are unable to climb on the mast thus unwanted CB trippings would be avoided. This will improve the reliability of OHE.

7. Electrification of Track

- 1) Electrification of **ET-Katni-Manikpur** incl. Satna-Rewa and Manikpur-Chheoki (**RKM-653** viz.WCR-561 & NCR-92, **TKM-1611** viz. WCR- 1395 & NCR- 216) (PB Item no. 49/2013-14) is being done by CORE/ Allahabad,

Present status of work:

Detailed estimate amounting to ₹861.34 Cr has been sanctioned vide Bd's letter no. 2013/RE/161/6 dt 16.07.2013.

Target for taking over of section after Electrification (**561 RKM & 1395 TKM**)

Chheonki-Manikpur	:	Jun.,16
Manikpur-Satna(incl.Satna-Rewa)	:	Dec.16
Satna-Katni-Jabalpur	:	Dec.17
Itarsi - Pipariya	:	Oct.16
JBP-Katni	:	Mar.17
Pipariya-JBP	:	Mar.17

- Newly Electrified lines/section 2015-16

SN	Section	TKm	Charging Date
1	SUW-NSZ	7.89	26.09.15
2	Sorai-GLG	16.95	22.10.15
3	Sorai-BHS	3.15	27.2.16
4	MABA-KIKA	17.39	29.02.16

8. Economy in expenditure:

- **Saving of ₹51.30 Cr.** (FY 2015-16) has been achieved due to various energy conservation measures in traction and non-traction, which is **3.72% more** as compared to same duration of last year.
- **Steps taken to reduce energy cost for traction purpose**
 - Reduction in SEC

Category	Target 2015-16	Apr- Mar		% Improvement
		2014-15	2015-16	
Goods	6.61	6.83	6.45	5.6
Passenger	18.38	18.56	18.48	-0.4

- **Open access: MP State**

A step of cost reduction of traction bills, WCR has signed **Power purchase agreement (PPA)** with Ratnagiri gas and Power Private Limited (**RGPPL**) to **200 MW** for Railway Traction substations in **MP states** @ ₹ **4.70** per unit. RGPPL power flowing since 22.01.16. There has been saving from Apr-May16 of ₹**70.47 Cr** for five Railways TSS (WR-8, CR-7, NCR-4, SECR-2, WCR-15) out of which ₹ **30.92 Cr for WCR.**

In addition to power purchase of 200 MW @ ₹ 4.70 per Unit from RGPPL, an agreement on 11.04.16 has been signed with Jindal India Thermal Power Limited for power purchase of 135 MW @ ₹ 3.52 per Unit in MP state through open access. This power from Jindal India will act as second source of supply upto 31.03.17 in case of over withdrawal from grid.

- **Open access: Rajasthan State**

Board has allocated 55 MW power to Rajasthan from the tender of M/s Jindal Indian thermal power Ltd by REMCL energy cost @ ₹ **4.09 per unit (KWH)**. Present consumption is 37.67 kWh in Million unit .Agreement for procurement of power was signed on 15.3.16 by the WCR & M/s JITL **for 12 TSS** (9 WCR+2NCR+1NWR) there will be saving of approx ₹118 Cr per

annually. Previously Railway was purchasing power supply from Rajasthan Elect. Board @ ₹ **6.50 per unit.**

NOC application for Mid Term Open Access (MTOA) / STOA (short Term Open Access) has been submitted to Superintending Engineer/ Rajasthan Vidyut Prasaran Limited on date 12.04.16 and 25.04.16 respectively. Matter is being pursued.

- To feed electricity to Bharatpur, Hindaun and Ramganjmandi TSS/Kota div., **Wind Mill** power plant of 26 MW capacities has been installed at Jaisalmer by REMCL on 30.12.15. The generated electricity is wheeled to Kota div. through STU (RVPNL) network & is utilized at Bharatpur, Hindaun and Ramganjmandi TSSs. There will be **saving of ₹ 5.32 Crs.** Approx annually.
- Complete rewiring work of Mark-III 4Wheeler TW no.-53 has been done departmentally by Tr.D/W&S/Kota. This was the **first time** and challenging job & ₹ 7 lacs were anticipated if it would have been done through outsourcing, which has now been finished **departmentally** with material cost of ₹ 2 lacs approx.
- **Kota div.:** Six additional static capacitor units (400 kVAR) have been provided on 27.10.15 at Lakheri/TSS in addition to initially provided capacitor banks of 2400 kVAR capacity. This will reduce monthly energy billing.
Capacity of capacitor bank of Sukhisewaniya and Obaidullaganj TSS/Bhopal div. have been enhanced. Thus **pf** has been improved from 0.96 to 0.98 **resulting saving of ₹8 lacs per month** in traction energy bill.
Capacity of capacitor bank of Mungaoli TSS/BPL div. has been enhanced from **5500 to 6600** kVAR and imbalance in current has been neutralized. Thus **pf** has improved from **0.96 to 0.98**, resulting in **saving of ₹ 4.0 lacs per month** in traction energy bill.
- To save energy, DELP programme of Govt of India, Ministry of Power has been launched in WCR from Sept. 2015 for distribution of LED bulbs of 7 Watts. 2.16 lacs LED bulbs have been distributed, by which ₹ 3.8 Cr. notional saving will be achieved.
- **Solar Desert cooler** has been provided at Sajapur stn.
- **Prepaid energy meters have been provided** for vendors at stations (63 nos.) to facilitate easy realization of energy bills.
- LED type Tube lights have been fitted in place of CFL lights in five 3-phase locos.
- Provision of Solar Panels-

Approx 750 KWp as solar energy is installed resulting in **saving of ₹ 30, 88,800**

SN	Item	Provided in WCR	Total Capacity	Unit	Annual saving (Units)	Saving in ₹ (@ ₹ 6 per unit)
1	Solar water heater	35	15400	LPD	99000	594000
2	Solar panel at LC gate	316	23.5	kWp	189600	1137600
3	Electrification of Station with solar system (nos.)	11		kWp	39600	237600
4	Electrification of station with solar system with stand by supply(nos.)	42	32.7	W	151200	907200
5	Wind-Solar Hybrid system (wind generator 650W+Solar panel 150W)	1	800	LPD	3600	21600
6	Distilled water plant	2	150	LPD	3000	18000
7	Electrification of Railway Quarters/Colony by Solar (nos.)	3	3858	watt load	10800	64800
8	Solar Light Pipe	6	Equiv. to 1 kW light		18000	108000
	TOTAL				5,14,800	30,88,800

- **LED light & Energy efficient fittings:**

Total 11190 nos. of Energy efficient light fittings/equipments/pumps/LEDs were provided resulting in **saving of ₹18.6 lacs** annually as detailed below:

SN	Item	Nos.	Annual saving in Unit	₹/annum
1	LED tube light (20 w)	1650	59400	386100
2	T-5 tube light (28 w)	7385	159516	1036854
3	3 star rated equip (10% saving)	1136	20448	132912
4	5 star rating equipment (20% saving)	180	6480	42120
5	Energy Efficient Pump (20% saving)	15	540	3510
6	Energy efficient Super ceiling fans (60-25 w saving)	350	22050	143325
7	Last year LED lights	474	17064	110916
	Total	11,190	2,85,498	18,55,737

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 31.03.2016)

Shed	WDM2	WDG 3A	WDM 3A	WDM 3D	WDP4B	WDP4D	WDG4	WDG 4D	WDM2 INF.	WDS6	Accident/U/R /U/cond.	Total
ET	4	0	68	42	08	27	00	00	02	21	12	184
NKJ	3	121	48	8	0	0	22	17	0	0	5	224
Total	7	121	116	50	08	27	22	17	02	21	17	408

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 during 15-16

Particulars	Additional Account	Replacement Account	CAP Account	DRF Account	Deposit work	Bond Account	OYWS Account	Head of Account not received
Locos	31 new locos	-	-	-	-	-	-	8 Locos transferr ed to WCR
Coaches	54	38	-	-	-	-	-	-
Bogies 4 Wh	-	-	-	-	-	-	-	-
Tfd from other Rlys	-	-	-	-	-	-	-	-
Wagons	-	-	-	-	-	-	-	-
Wagon 8 -Wh	-	-	-	-	-	-	-	211
Wagon 4-Wh	-	-	-	-	-	-	-	-

B. Wagons Built by Manufacturers and Railway Workshop during 15-16

Name of the Firm	CAP/DRF	Type	Nos. in Vehicles units	Nos. in 8 Wheelers Units
M/s Modern Industries	-	BTPGLN	28	28
	-	BOXNHL	84	84
	-	BCNHL	07	07
M/s Jupiter Ltd.	-	BCNHL	36	36
M/s Besco Ltd.	-	BOBRNHS M1	34	34
M/s Bridge & Roof Ltd.	-	BOXNHL	22	22
Total			211	211

III. Disposal of over aged Rolling stock.

(i) No. of WCR Locos put off lines during 2014-15 and 2015-16

DIESEL LOCOMOTIVES (BG)	
2014-15	25
2015-16	4

(ii) No. of coaches and wagons put off line during 2014-15 & 2015-16

Year	Broad Gauge	
	Coaches	Wagons
2014-15	83	8
2015-16	13	9

(iii) Number of coaches and wagons put off and No. of new coaches and wagons put on during 2015-16.

S.N.	Particulars	Broad Gauge	
		Coaches	Wagons
1.	No. of coaches and wagons put off the line during the year	13	09
2.	No of coaches and wagons tfd to other railway during the year	17	NIL
3.	No. of coaches and wagons put on the line during the year	92	211
4.	No. of coaches and wagons transferred 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 2015-16 (Pink Book works costing above ₹2.5 Cr. Each)

S.N.	PH No.	Name of work	Allocation	Cost inCr. of ₹
(a)	Running sheds	NKJ Diesel shed- Augmentation capacity by 50 HHP diesel locos	DF (3)	25.56
(b)	Workshop	Modernisation of Wagon Repair Shop Kota	DF 111	63.70
(c)	C&W depots	NIL		

(ii) A) Works completed in 2015-16 (Pink Book works costing above ₹ 2.5 Cr. Each)

S.N.	PH No.	Name of work	Allocation	Cost inCr. of ₹
(a)	Running sheds			NIL
(b)	Workshop			NIL
(c)	C&W depots			NIL

B) New Machinery & Plants (Costing above ₹ 1 Cr. Each) sanctioned in M&P Programme 2015-16 at a total cost of ₹Crores.

SN.	Description of Machine	Qty.	Allocation	Cost in Cr.of ₹
1.	Kota Workshop . surface transversor cap. 80T	1	DRF	3.10

(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) has been provided infollowing 19 trains.

1. 12181/82 JBP-JP Exp. (Dayodaya Exp)
2. 11447/48 Shaktipunj Exp.
3. 12189/90 Mahakoshal Exp.
4. 11463/64 Somnath Exp.
5. 11465/66 Somnath Exp
6. 11449/50 JBP-JAT EXP.
7. 12187/88 Garibrath Exp.
8. 12059/60 KOTA-NZM Janshatabdi Exp.
9. 11449/50 Jammutavi Exp.
- 10.12191/92 Shridham Exp.
- 11.12193/94 JBP-YPR Exp.
- 12.22181/82 JBP- HNZM Exp.
- 13.11701/02 JBP. INDB lintercity Ex.
- 14.11703/04 Rewa-Indore Intercity Ex.
- 15.11265/66 Ambikapur Exp
- 16.19801/02 KTT . IND Exp
- 17.19803/04 KTT - JAT Exp.
- 18.22981/82 KTT . SGNR Exp.
- 19.19805/06 KTT UHD Exp.
20. 11651/652 JBP-SGRL Intercity Exp

In addition to above 11 more trains have been identified for providing OBHS services.

- ❑ Linen supplied in AC coaches are being washed in dedicated Mechanical laundries. One such dedicated laundry has been setup in Railway premises at JBP and KOTA, for Bhopal tendering is under process for setting up laundry in Railway Premises.
- ❑ 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.
- ❑ 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/ KOTA 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.	%
2014-15	342	33.56	9.81	-	-	-	-	-	-	-	-
2015-16	352	31.64	8.99	-	-	-	-	-	-	-	-

(ii) Coaching stock. Broad Gauge

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.	%
2014-15											
PCVs	1243.08	60.86	4.9	53.34	4.29	0	0	7.52	0.61	0	0
OCVs	13	0.12	0.93	0.12	0.93	0	0	0	0	0	0
Total	1256.08	60.98	5.83	53.46	5.22	0	0	7.52	0.61	0	0
2015-16											
PCVs	1258.75	63.18	5.02	51.76	4.11	0	0	11.32	0.9	0	0
OCVs	13.92	0.23	1.65	0.23	1.65	0	0	0	0	0	0
Total	1272.67	63.41	6.67	51.99	5.76	0	0	11.32	0.9	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											
2014-15	12546.2	774.85	6.18	370.42	2.45	0	0	404.43	3.22	-	-
2015-16	12981	695.06	5.35	373	2.87	0	0	322.06	2.48	-	-

2. Rolling stock turned out after repairs from Workshop

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

Particulars		MLR OF COACHES	
		2014-15	2015-16
PCV	Non AC	523	534
	AC	56	53
OCV	RD	7	0
	ART	1	3
	ART/RA/RT/RE	10	7
	Total	597	597
IOH of Bogie (coach set)	Non AC	171	168
	AC	77	90
	Total	248	258

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

Particulars	POH/ROH/Rebuilding	NPOH	Total
2014-15	5018	304	5322
2015-16	5221	346	5567

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

Particulars	2014-15	2015-16
NON AC	33.51	33.94
AC	43.96	43.87
Wagon	10.97	11.07

2.2 Cost of repairs in Shops (in Rupees)

Particulars	Broad Gauge		
		2014-15	2015-16
Avg. Cost of MLR of Coach	N /AC	₹39.00 Lakhs	₹39.00 Lakhs
	AC	₹48.50 Lakhs	₹50.20 Lakhs
Avg. Cost of conversion of ART/ARTME		₹22.00 Lakhs	₹23.00 Lakhs
Avg. POH Cost of Wagon in Rs.		₹ 2.66 Lakhs	₹02.57 Lakhs

3. Diesel Engine Failures (BG WCR)

Year	Total No. of ST Failures	KMs (in lakh)	Average KMs per STT failure
2014-15	272	490.38	1.80 Lakhs
2015-16	229	483.42	2.11 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		
2014-15						
Coaching	4	1	3	0	300	
Goods	100	7	85	8	-29.87	
Total	104	8	88	8		
2015-16						
Coaching	4	1	3	0	0	
Goods	83	6	68	9	+ 17 %	
Total	87	7	71	9	-	

5. Important features of workshops

During the year 2015-16 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 2015-16 as compared to 2014-15 is as under in terms of vehicle units(vu)

Stock (Wagons)	2014-15	2015-16
POH	4760	4850
ROH+NPOH	562	717
Total	5322	5567

- ii. **The average daily out-turn during 2015-16**

Stock	Vehicle Units/Day
Wagon	18.68

- iii. **The average daily out-turn during 2015-16 as compared to 2014-15 (In VU)**

Type of stock	2014-15	2015-16
Wagons 4-Wheeler Unit	0.52	0.46
Wagons 8-Wheeler Unit	17.52	18.22

iv. Improvement in Quality: A special emphasis had been paid to improve the quality of work during the financial year 2014-15. 100% wagons were passed by NTXR/KOTA in 2015-16. Local passing was NIL.

Parameters	2014-15	2015-16
Avg % of local passing of wagons	NIL	NIL
Sick marking within 90 days of POH of wagons	1 %	0.97%

v. Heavy Repairs : During the year 2015-16 heavy repair, Viz re-flooring, End wall ,Side wall etc. are as under..

S.N.	Item of Work	2014-15	2015-16
1	Wagon re-flooring BOX/BOXN	502	556
2	Complete renewal of side wall end wall, doors and flooring of BOXN wagons (RSP Work)	180	73
3	Up gradation & Rehabilitation of BOXN wagon using IRSM-44 steel	78	58

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

Item(BG)	2014-15	2015-16
(O/A) Wagon	31	33
(U/A) Wagon	87	73

vii. Rolling stock and other scrap auctioned

S.N.	Scrap auctioned	2014-15		2015-16	
		No.	Amount (₹ in lakhs)	No.	Amount (₹ in lakhs)
1	Condemned wagons	50	166.87	135	225.44
2	Miscellaneous under frame and trolley	-	-	-	-
3	Scrap wheels with axles	2240.59	746.33	2752.07	920.52
4	Machines scrapped /Portable machine	-	-	-	-

viii. Energy conservation

a) Energy conservation of Kota workshop

Description	Unit	Consumption		Saving in %age
		2014-15	2015-16	
Electricity	kWh	23,29,220	2248780	3.45

b) Energy conservation of Kota workshop

Description	Unit	Consumption per VU of out-turn		Saving in % age
		2014-15	2015-16	
Electricity	kWh	437.66	403.95	7.70

B. CRWS/BPL

(i) Out-Turn: The O/T of MLR of Coached during 2015-16 as compared to 2014-15 is as under.

Particulars	Type of Coaches	MLR OF COACHES	
		2014-15	2015-16
PCV	Non/ AC	523	534
	AC	56	53
OCV	RD	7	0
	ART	1	3
	RS/RA/RE	10	7
	Total	597	597

Particulars	Type of Coaches	MLR OF COACHES	
		2014-15	2015-16
IOH of Bogie (coach set)	Non/ AC	171	168
	AC	77	90
	TOTAL	248	258

(ii) Avg Daily out-turn During 2015-16 as compared to 2014-15

Year	Coach/Day
2014-15	2.02
2015-16	2.02

(iii) Improvement in Quality: A special emphasis was paid to improve the quality of work during 2015-16 such as (i) Developed a fixture to assemble Head stock and Bio Tank. (ii) Installation of Life Line system etc.

(iv) Progress of RSP work:

Sr. No.	Description	2014-15	2015-16
1.	Conversion of coaches for ARTs	1	3

(v) Scrap Disposal (In Metric Tonnes)

Items	2014-15	2015-16
Ferrous	7847	7191
Non-Ferrous	195	151

(vi) INNOVATION/SYSTEM IMPROVEMENT DURING 2015-16

(A) Coach Rehabilitation Workshop Bhopal

1. Developed a fixture to assemble Head stock and Bio tank bracket.

In Body shop during corrosion repair of coaches, a fixture is used to assemble Headstock, Auxiliary head stock, Centre stiffener, Floor stiffener and Yoke bracket. After full welding of these components, the whole assembly is fitted on coach. Then Bio tanks brackets are fitted by marking. Even after taking all precautions the bio tank bracket used to get distorted and there was difficulty in fitting Bio tank along the brackets.

To overcome this problem a fixture has been developed in house, in which Bio tank bracket is assembled with Headstock, Auxiliary head stock, Centre stiffener, Floor stiffener and Yoke bracket. Now the problem of misalignment of brackets with bio tanks will be eliminated.



2. Heavy duty stapler machine for cushioning of back rest frame and seat frame

02 numbers heavy duty pneumatic stapler machine have been procured in carpentry shop for cushioning of backrest frame and seat frame which work with a feed pressure of 6 kg.

Earlier the activity involved nailing of Rexene on seat frame using hammer. Approx 60 nails are used to fix Rexene on seat frame/back rest for cushioning. The heavy duty stapler can be handled with one hand, reducing human efforts and reducing probability of injury. The two stapler machines are working successfully for last two month in Carpentry shop.

3. Improvement in Air brake pipe cutting

During final airbrake testing, leakage cases were regularly reported. To overcome this problem, fitment system was critically examined and noticed that during cutting activity pipes were not properly supported, resulting pipe cutting done at 80°-85° instead of 90°. This led to mismatching of end fitting with pipes.

Now a fixture has been developed to support pipe so that cutting is done at 90°. After the development, reports of leakage during final A/Bk testing have been observed to be drastically reduced.

4. Provided Bilingual Display Board in RRWI

CME /WCR during his visit on 30.04.15 instructed to replace the display board with bilingual board instead of English only.

Earlier in RRWI/CRWS, the flex display boards for welding instruction were available mostly in English. In the RRWI, Technician and supervisor come for training. It was felt that the matter of display board should be bilingual for understanding of all trainees.

To comply the above, all the display board of RRWI have been replaced with bilingual text i.e. Hindi and English.



5. Display of correct method of welding on coach

It is generally noted that during welding on coach, due to lack of knowledge or carelessness of welder proper method of connection of earth wire is not adopted which may result in the damage to the roller bearing.

As per RDSO instruction electrical current must never be allowed to pass through roller bearing as it may cause arcing in roller bearing causing damages. All welding should be done with ground cable attached so that circuit formed shall not allow electrical current to flow through roller bearing.



In view of the above, a model has been developed by RRWI. In this model the correct earthing has been demonstrated.

This model will be beneficial to the trainees to adopt the correct welding procedure while working on coach/wagon. Thus the damage as well as failure of the roller bearing cases on account of improper earthing can be eliminated.

6. Provision of Emergency light in coaches:

Earlier only 30-40% coaches were being turned out with emergency light after MLR. From April 2015 onwards, all coaches are being turned out with emergency light. The entire wiring & fitment has been managed in house by ETL & PCR shops for provision of emergency lights.

7. “Shrestha Category award for Safety & Environment”

Shrestha Trophy & certificate was awarded to CRWS by National Safety Council . MP Chapter on 11th Aug 2015. The award is adjudged based on evaluation of legal parameters of safety and environment inside workshop and performance of a unit based on frequency of IOD, Man Days Lost, Longest accident free period over last three years i.e. 2011-12, 12-13 & 13-14.

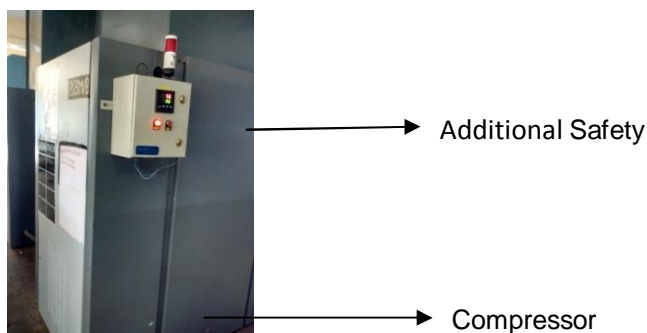
The award was given by Hon. Shri Babu Lal Gaur Ji, Home & Jail Minister of M.P.Govt. & received by CWM/CRWS/BPL on dt.11.08.2015.

8. Provision of additional compressor safety device.

Presently in all compressors inbuilt safety device, is provided which is known as over temperature tripping arrangement. The temperature of compressor is displayed on this device and in case of temperature increase beyond preset limits; this device functions and shuts down the compressor. This is the only safety device provided in compressor. In case of non-functioning of this safety device, there is possibility of damage to the compressor/human life.

Considering the above situation and to ensure additional safety to compressor / human life, one parallel safety arrangement has been done on compressor by our MW staff. This arrangement also indicates temperature of the compressor and in case of increase in temperature beyond pre-set limits, there will be siren and also an indication by flasher light which will immediately alert the operator.

The additional safety arrangement has been purchased from the market at the cost of about twenty thousand and fitted in house, in one of the compressor by our MW staff, functioning has been found satisfactorily and planned to be fitted in other compressor.



9. Fabrication of two stage oil filtering container

Earlier kerosene oil was reused two to three times for cleaning of axle box components.

After several times of use the oil is full of mud, grease and dust particles, hence is disposed as waste.

The shop has fabricated a two stage filtering container to reuse this oil. The container has a provision of filtration that wire mesh is first stage and then through foam in second stage and finally tapping of filtered oil. Provision of circulation of air is also made in the second stage for churning of dirty oil and effective removal of mud/dirt particles.

The use of filtered kerosene-oil in this manner would result in 10-20% of saving of oil for cleaning purposes.



10. Development of coach washing shed.

Coaches were being washed in open space after striping. Old grit blasting shed was not in use since new grit blasting shed has been commissioned.

In old grit blasting shed, washing facility for incoming coaches has been developed by providing high pressure Jet machine, water storage tank, proper drainage and ventilation arrangement.

An old asset has been brought to life without incurring any cost merely by using unused resources and efforts of millwright, engineering and substation staff.



11. Overhauling of alternator

More than 70 alternator of 4.5 kW, have been overhauled and kept as unit exchange spare with the help of Kaushal Vikas trainees. These un repaired alternator were lying from long, due to want of manpower.

12. Provision of Hot Air Duct on Air compressor

Recently 04 nos. Air Compressors installed and commissioned in compressor house no. 1 and 2. These Air compressors are Air Cooled type. During operation of compressors hot air is generated for which exhaust is given on top of the compressors. Since the height of the compressor house roof is low, the hot air surrounds in the compressor house, increases the temperature of compressor room resulting in tripping of compressors.

To overcome above situation, hot air Duct has been developed in house from off-cuts and provided on top of the compressor which helps in exhaust of hot air from compressors.

The approximate cost of one hot air duct is ₹50,000/- accordingly there is saving of ₹2 lacs of Railway revenue.



13 Development of fixture for fitment of bio tank bracket on newly received complete Head Stock assembly.

Earlier Head Stock Assembly was fabricated alongwith bio tank bracket on a fixture by welding of different component at Body Shop. Now, the complete Head Stock Assembly has been stocked and being procured from market. Bio tank bracket has to be fitted on this separately.

To ensure accuracy, Body shop has developed a new fixture in-house for fitment of bio tank bracket on Head Stock Assembly. With the help of this fixture, Bio-tank bracket can be fitted accurately with less effort and time.



14 Improvement in quality of in house repaired seat & berths.

During MLR 50% of seat & berths released from incoming coaches are being reclaimed in house. Earlier, during reclamation of seat & berths with old released DTBPP (Rackron), cotton padding was used which is stocked against PL no. 79511417.

Released Rackron of incoming coaches lose their thickness, bonding, hardness and are found in deformed condition. Hence, to maintain thickness several joints are required. In absence of padding cotton, there is no option available to adjust the thickness and joints of old released rackron were being used. To overcome on current problem and to manage out turn with improved quality of material, Densified thermal bonded polyster block, of density 20 kg/cm³, are being procured through non stock and used for MLR coaches.

This item is replacement of cotton padding and meets the FST norms as laid down by RDSO Spcn. No. CK-607(Rev.1, provisional).

By this process quality of cushioning has improved and chances of wrinkles in cushioned berth have been eliminated.

15. Developed a adhesive applying machine.

In the coach flooring vinyl sheet is spread over plywood flooring, after applying adhesive on vinyl sheet manually (2.5m. length in one stretch).

This involves no. of activities which are performed manually like, spreading of sheets, cutting of the sheets, applying adhesive by sitting over the sheet drying it in open and then pasting the same over plywood flooring inside the coaches. These activities are not only tiresome but also time consuming moreover, the manner in which adhesive is applied by our staff has adverse affect on the health of the staff as he inhales the adhesive directly while applying it on vinyl sheet.

To overcome this, E.R. shop has design and developed a machine in-house which has a 3-phase motor to run conveyer belts. The vinyl sheet roll clamped to the conveyer belts which spread the sheet to require length and simultaneously the adhesive is poured on the sheet manually across the length by a simple drop down arrangements and curved metal vipers are provided to spread the adhesive evenly as the sheet rolls out on the conveyer belt.

By working on this machine, direct contact of staff with the adhesive will be eliminated as well as dust accumulation on sheet will also reduce as the platform is about 1 m. high.



16. Installation of Life Line System

Painting activity on the coach roof is a very dangerous activity for the workers as there is danger of staff falling leading to fatal injury

In view of this, 04 no. sets of Life Line system have been procured and fixed on roof structure in the paint shop, parallel to the coach.

In this system Retractable hook is slid parallel to the coach.

The painter/worker, who works on the roof of a coach, wears a jacket with a hook to attach the Retractable hook suspended on the Life Line system

This Life Line system has enhanced safety for staff engaged in roof painting of coaches.

(B) Innovations of Wagon Repair Shop Kota

(1) Trolley for fitting of flap door in BOXN wagons.

Background:

Flap doors of BOXN wagon received for POH are mostly deficient or in badly damaged condition. During POH of BOXN wagon flap doors are needed to be replaced frequently. In the present practice, the fitment of BOXN door is a manual and crude work which is very tedious and labours some involving 04 persons. The door is a heavy and big structure. Manual lifting of the door by 04 persons, holding the door at the level of door hinge, align the holes and fitment of pin etc. is really tedious and hurt prone.

Innovation:

The developed innovation is a very simple design assembly on a platform made of channel and screw and nut assembly with two handles provided at both end of it. Four rubber mounted wheels arrangement also provided in it to carry out it on working place. A door holder channel's end are joined by means of four lever arms two each side of door holder and another end of these arms are connected by movable joint on left and right threaded portion of screw and nut assembly.

When handles of this screw nut assembly are rotated then nuts of screw nut assembly come close and door holder lifted upwards. If handle's direction of rotation is changed then door holder comes down. Maximum lift angular displacement of this is 150 mm and 45° respectively. A door to be fitted is placed in door holder by keeping its hinges on top then it is lifted by rotating screw nut assembly handles up to the height of wagon's door hinge foot after matching holes of hinges a door pin is inserted. After this door holder is released and removed.

Construction details:

The following scrap items were used.

- 1) Screw and nut assembly with LH & RH thread (Dia. 25 mm & Length 1590) . 01 Nos.
- 2) Base Channels (150 x 75x1020) mm . 01 Nos.
- 3) Channel (85 x75x810) mm . 01 Nos.

- 4) Plate strips (55x10x510) mm . 02 Nos.
- 5) Lever arms (80x10x590) mm . 02 Nos.
- 6) Lever arms (80x05x690) mm . 02 Nos.
- 7) Brackets (80x10x70) mm . 04 Nos.
- 8) Rubber mounted wheels . 04 Nos.

Benefits:

- 1) Fitting of flap doors in BOXN wagon can be done easily with less effort.
- 2) This process is simple and safe so it reduced IOD cases.

Cost: ₹1500/-

Photographs enclosed:



Trolley for fitting of flap door in BOXN wagons

(2) Innovation . Vacuum cleaning of CASNUB bogies.

Background:

During POH of wagon its CASNUB bogies are cleaned by blowing air pressure. This method spreads dust in the surrounding environment which harmful for co-workers.

Innovation:

An industrial vacuum cleaner is purchased from the market. CASNUB bogies are now cleaned by suction of air and dust through vacuum cleaner.

Details of Vacuum cleaner:

Industrial Vacuum cleaner with motor of 7.5 HP, 3800 mm suction and 370 M³/hrs air delivery.

Benefits:

- 1) This is a Maintenance Manual requirement as per para 603.C(a) to check for side frame, bolster of CASNUB bogie should be examined for cracks, distortion, excessive pitting etc.
- 2) This is also an ISO-14001 requirement to provide dust free working environment.

Cost ₹1,36,255/-



Innovation - Vacuum cleaning of CASNUB bogies

(3) Innovation- Fixture for repairing and testing of BMBS brake cylinder.

Background:

Air brake system of has undergone modifications to add more and more improvement in its design for more efficient and simplified braking system. Bogie mounted brake system (BMBS) is the latest design of air brake system and this is being retrofitted to the existing CASNUB bogie of wagon. BMBS brake cylinder (10+ dia.) is a new design of brake cylinder with in built double acting slack adjuster. Due to different in design and size than conventional cylinder existing fixture is not suitable for repairing of this BMBS brake cylinder during POH in the workshop.

Innovation:

A fixture is made in house by using scrap material for repairing of BMBS brake cylinder. Dismantling and assembling of BMBS brake cylinder can be easily done with this fixture during overhauling of BMBS brake cylinder.

BMBS brake cylinder is vertically placed on fixture base plate. Its body is fixed to a bracket on fixture by inserting a pin into holes of bracket and flange of cylinder body. Its ram assembly is hold by tightening wheel of a screw-nut assembly then opening nut bolt of dome cover and loosening wheel of screw nut assembly brake cylinder piston assembly is removed from its body and repaired by changing its must changed and damaged part.

The overhauled piston assembly is fitted back to cylinder body with help of fixture and testing of cylinder can be also be done on this fixture.

Construction details:

Following scrap material was used.

- 1) Base plates(20 mm & 16 mm)
- 2) Pipes (1.5", 1" & 1/2" dia.)
- 3) Tea joint (1/2" dia.)- 01 Nos.
- 4) Elbow (1/2" dia.) . 01 Nos.
- 5) HBW wheel . 01 Nos.
- 6) Spindle screw and Nuts of BTPN master valve . 01 & 02 Nos. respectively.
- 7) Isolating cock . 02 Nos.
- 8) Flexible air hose pipe . 01 Nos.
- 9) Air pressure gauge (0-10 kg/cm²) . 01 Nos.
- 10)
- 11) Bearing . 01 Nos.

Benefits: Safe and easy to repair BMBS cylinder with this fixture.

Cost: ₹21500/-

Photographs enclosed:



Innovation- Fixture for repairing and testing of BMBS brake cylinder

(4) Innovation- Ladder for welding/painting on BCNHL wagon roof.

Background:

Kota workshop has started getting BCNHL wagon for POH. The roof of these wagons has more slopped than convectional BCN/BCNA wagons. Due to design it is not safe to standing and working on roof. The exiting ladder in the workshop is also not suitable for welding/painting on roof.

Innovation:

The body repair shop of the workshop has fabricated new ladder according to curved surface of roof. Fitting, welding and painting work can be done easily on the roof of BCNHL wagons with this ladder.

Construction details:

The following items were used.

- 1) Pipes (25 mm and 40 mm)
- 2) Plates strip (3.15 mm)

Benefits:

It provides safety and ease to worker during working on roof of BCNHL wagon.

Cost: ₹1500/-



Ladder for welding/painting on BCNHL wagon roof.

(5): Innovation- Development of a device for fitting CP Top in BOXNHL and BCNHL wagons.

Background:

Centre pivot top is fitted underneath body bolster before lowering of the wagon. As it is heavier in BOXNHL/BCNHL than conventional wagon, 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 labour some and cumbersome.

Innovation:

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

During the course of fitment, centre pivot top is placed on the revolving CP top base which is mounted on lifting assembly. This lifting assembly is so mounted that it moves vertically up and down with the movement of piston rod of manual hydraulic jack. CP top base can be moved horizontally with a screw nut assembly for proper alignment of CP top to body bolster of wagon during fitting. This arrangement is mounted on a hand trolley which ensures makes very easy movement of the device.

After the proper fitting of the CP top hydraulic jack is released, CP top base comes down and device is removed.

Construction details: The following items were used.

- | | |
|---|----------|
| 1) Hand trolley (Fabricated from scrap material) | - 01 No. |
| 2) Support plate (Fabricated from scrap material) | - 01 No. |
| 3) Hydraulic jack | -01 No. |
| 4) Release springs | -02 Nos. |
| 5) Bearings | -02 Nos. |
| 6) Screw nut assembly | -01 No. |
| 7) Lever arms | -12 Nos. |
| 8) Some angles channels pieces | |

Benefits:

- 1) It helps in safe & proper fitment of the centre pivot top.
- 2) Risk of injuries reduced considerably.

Cost: Approximately ₹12500/-



Development of a device for fitting CP Top in BOXNHL and BCNHL wagons.

(6): Innovation- CNG cutting rig has been developed.

Background:

During POH of wagon its old patches are stripped off by oxyacetylene gas cutting.

Innovation:

One CNG cutting rig has been developed using CNG cylinder, auto cylinder and heating arrangement for regular CNG cutting without any infrastructure investment.

Construction details:

- 1) CNG gas cylinder.
- 2) Copper tubes.
- 3) Regulator . 01 Nos.
- 4) Heater . 01 Nos.

Benefits:

- 1) A very conservative estimate indicates savings of than Rs 1 Crore per year by replacing DA by use CNG pipe lines.
- 2) CNG is also eco-friendly and safer gas than DA.

Cost: ₹16000/-



CNG cutting rig has been developed.

(7): Innovation- Mechanized unloading of scrap from BRHN wagon.

Background:

During stripping of wagon scrap is sent to scrap by loading in one BRHN wagon. This scrap was being unloaded by 5 to 6 men in a day. It takes time in unloading of scrap and some times staff gets injured during unloading of scrap manually. It was costly and risk factor was also very high.

Innovation:

This innovation is done on a condemned BRHN wagon to facilitate automatic unloading of scrap with the help of mobile operated crane. Auxiliary floor in three parts with articulating arrangement at both sides has been fitted over existing floor. Foldable side stanchions are also used for securing of scrap sheets during movement of wagon. Floor can be tilted either side. For unloading of scrap, wagon is kept at scrap yard & Mobile crane lift auxiliary floor one by one; it results to unloading of full wagon immediately.

After this innovation unloading of scrap could be possible within 10 minutes with help of one MOC driver and one helper.

Construction details:

The following items were used.

1. One condemn BRHN wagon - 01 no.

2. Plates 6 mm -1826 Kg.
3. Channels (100 x 50 mm) - 960 Kg.
4. Hinges of BOM wagon- 18 Nos.
5. Hinge foot of 16 mm plate . 18 Nos.

Benefits:

- 1) Unloading of scrap is simple and safe. Risk of injuries is reduced.
- 2) During unloading manpower consumption is considerably reduced.
- 3) Engage time of scrap loaded BRHN is reduced. It is available easily in less time for next loading.
- 4) In term of money value total saving is ₹7,04,400/- per year.

Cost: Approximately ₹150000/-



Mechanized unloading of scrap from BRHN wagon

Innovation/Modification OF Diesel Sheds

विटॉन रबर की जॉच हेतु हॉट एयर ओवन

वरि.मं.यौ.इंजी.(डी.) इटारसी के पावर के अन्तर्गत विटॉन रबर को 170°C-200°C के तहत परिक्षण हेतु हॉट एयर ओवन क्रय किया गया है। इस ओवन में विटॉन रबर की 72 घण्टे की टेस्टिंग की सुविधा उपलब्ध करायी गयी है, जिसमें अधिक आयु वाले रबर (144 घण्टे) की टेस्टिंग भी की जा सकती है। विटॉन रबर की टेस्टिंग के लिये यह बहुत जरूरी है कि जो अधिक तापक्रम वाले स्थान पर प्रयोग में लाया जाता है, जैसे- पिस्टन, लाइनर आदि। इससे पहले रबर के 72 घण्टे की परीक्षण हेतु परेल वर्कशॉप भेजा जाता था एवं इसमें 144 घण्टे वाले अधिक आयु के परीक्षण भी किये जाते थे। पुराने उपलब्ध ओवन में अधिक तापक्रम में ज्यादा समय तक नहीं रह पाते थे।



कायनेमेटिक विस्कोसिटी डिजिटल माइक्रोप्रोसेसर आधारित तापपान सूचक :-

डिजिटल माइक्रोप्रोसेसर आधारित टेम्प्रेचर इंडिकेटर ऑटोमेटिक हाई टेम्प्रेचर कटऑफ सुविधा के साथ 5°C से 100°C रेंज तक कार्य करता है। यह यूनिट शेड द्वारा माह मई 15 प्राप्त किया गया। यह इन्स्ट्रूमेंट लोकोमोटिव में उपयोग हुए ल्यूब ऑयल की जॉच हेतु उपयोगी है। आर.डी.एस.ओ. की गाईड लाइन के अनुसार लाईन पर कार्यरत सभी लोकोमोटिव की वापसी के बाद 100°C पर लोको में उपयोग हुए ल्यूब ऑयल की जॉच की जाती है। इस नये इन्स्ट्रूमेंट में 24 घण्टे में लगभग 25 सेम्पल की जॉच की जाती है। पुराने उपकरण में मात्र 10 सेम्पल की ही जॉच की जाती थी, क्योंकि इस जॉच हेतु काफी समय लगता था। इस नये डिजिटल उपकरण के द्वारा बहुत ही कम समय में 30 से अधिक नमूनों की जॉच एक ही शिफ्ट में की जा रही है। इस मशीन के उपयोग से तेल जॉच की गुणवत्ता में सुधार होगा।



पोर्टेबल इलेक्ट्रोमैग्नेटिक क्रेक डिटेक्टर:-

पोर्टेबल इलेक्ट्रोमैग्नेटिक क्रेक डिटेक्टर योक टाईप AC/Half वेब DC का वजन 4 कि.ग्रा. है। यह यूनिट इटारसी शेड द्वारा जून 15 प्राप्त किया गया। पुराना इन्स्ट्रूमेंट बहुत ही भारी था, जिसे आवश्यकता पडने पर एक स्थान से दूसरे स्थान पर ले जाने हेतु दो व्यक्तियों की आवश्यकता होती थी। इसमें दो अलग-अलग इकाई थी, जिसमें बाहर से पावर सप्लाई लेनी पडती थी। परन्तु यह नई पोर्टेबल मशीन पुरानी मशीन की तुलना में बहुत ही हल्की है तथा यह आसानी से बिना किसी प्रयास के एक ही व्यक्ति द्वारा एक स्थान से दूसरे स्थान पर ले जाया जा सकता है एवं इस योक में एक इकाई है जो कि अपने आप बिजली आपूर्ति हेतु इनबिल्ट है। यह मशीन बहुत ही विश्वसनीय है। इस मशीन के साथ एमपीटी परीक्षण बाहर कार्य स्थलों पर किया जाना आसान हो गया है।

MODIFIED STIFFER UNIT CAM SHAFTS TIGHTENING GADGET:

All segments of Stiffer Unit Camshaft are tightened with the help of Socket Head Cap Screw. As these screws are tightened with Allen Key Spanner, it was not possible to torque them between 60 to 65 lbs.

One gadget, as shown below, has been developed with shed resources in NKJ shed. This gadget after calibration being used to tighten at 50-55 lbs. with increased leverage this is causing tightening of bolt at 60-65 lbs.



RADIATOR CORE CLEANING GADGET:

Diesel Shed, NKJ has done scientific study over possible causes of tube leakage/ puncture cases of tube of Radiators. Cleaning of each radiator tube from inside is very important for proper dissipation of heat from radiator.

A gadget for cleaning of each radiator tube from inside with pressurized water has been developed with shed resources only, which facilitates cleaning of 10 nos. radiator tubes simultaneously from inside.

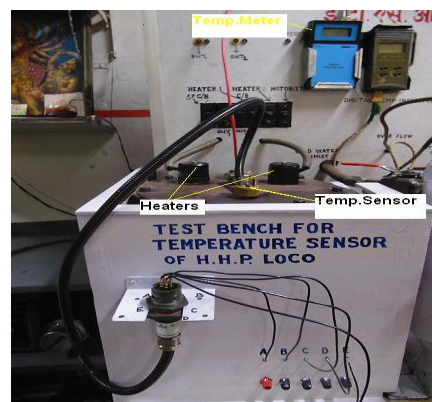


TEST BENCH FOR TEMPERATURE SENSOR:

All HHP locos are fitted with 3 phase AC Traction motors and for monitoring the temperature of stator, a temperature sensor is provided in each traction motor stator. For checking of this temperature sensor, no facility was available in the shed.

NKJ diesel shed has developed a test bench to check the temperature sensors with shed resources. An oil tank of capacity 4 ltrs. with two immersed heaters is used to raise the temperature of oil and temperature sensor probe is dipped into oil. A digital temperature meter is used to monitor the temperature of oil.

As the temperature of oil increases, resistance of temperature sensor also increases and increased resistance can be measured between connections A, C and B, D with the help of digital resistance meter. Connection E should always shows no continuity with the connections A, B, C & D. With the help of this test bench, rise in temperature of sensor is measured in terms of resistance.



TEST BENCH FOR STARTER MOTOR:

Two starter motors are used in all HHP locos for cranking the engine. No test facilities were available in NKJ shed for checking new motors during commissioning or after overhauling before fitment on loco. Shed has developed a test bench with shed resources to check proper operation of solenoids, pulling out of pinion and holding of pinion. For this, DC supply of 32 V is applied to motor for 10 seconds and current drawn; RPM and unusual sound can be checked. This process is repeated 4-5 times and after satisfying the test, motors are given on loco. Photograph is given below:



बायो डीजल के भरण:-

दिनांक 05.06.15 पर्यावरण दिवस पर डीआरएम महोदय भोपाल के समक्ष डीजल शेड इटारसी में भारतीय रेल में पहली बार एचएचपी आयल के साथ 5 प्रतिशत बायो डीजल को मिश्रित रूप से डीजल लोको क्रमांक 40107 में भरा गया, जो ट्रेन क्रमांक 15017 काशी एक्सप्रेस में उसी दिन लगाया गया।



30 आग्जलरी जनरेटर बियरिंग रिमूविंग फिक्सचर फॉर एच.एच.पी. लोकोमोटिव:-

डीजल लोको शेड, इटारसी वर्तमान में HHP/WDP4, 30 लोको का अनुरक्षण कार्य किया जा रहा है। HHP/EMD लोको डीजल लोको शेड इटारसी की होल्डिंग में फरवरी 2011 में सम्मिलित किये गये। रेलवे बोर्ड के पत्र क्र. 2003/एम(एल)/466/1505 दिनांक 13.07.13 के अनुसार EMD लोको के आग्जलरी जनरेटर का ओवरहॉल परीक्षण छः वर्ष निर्धारित है। इसलिए आग्जलरी जनरेटर के सब-एसेम्बली को अलग करने के लिए एक विशिष्ट फिक्सचर की आवश्यकता थी। डीजल लोको शेड, इटारसी द्वारा शेड में उपलब्ध संसाधनों की सहायता से एक फिक्सचर का डिजाइन तैयार कर निर्माण किया गया है। इस फिक्सचर से EMD लोको के 3 फेज ऑक्जिलरी जनरेटर की बियरिंग को निकाला जा सकता है। अतः यह फिक्सचर EMD लोको के 3 फेज ऑक्जिलरी जनरेटर के ओवरहॉलिंग में उपयोगी साबित होगा।

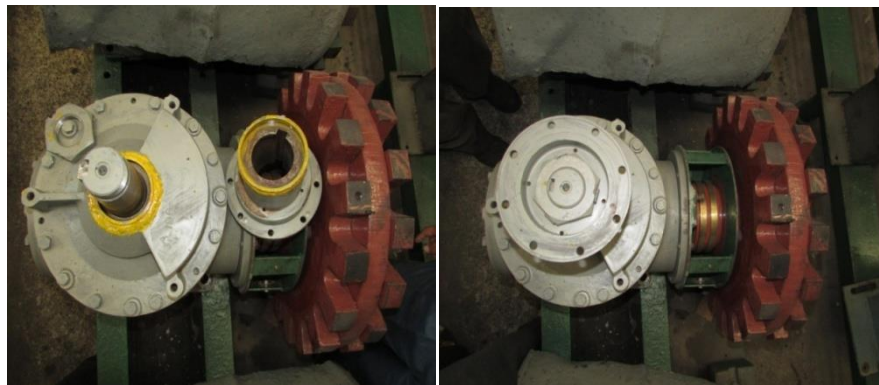


राईट एंगल गियर बॉक्स में पानी के रिसाव के बचाव हेतु प्रणाली :-

एल्को लोकोमोटिव्स के राईट एंगल गियर बॉक्स में पानी के रिसाव की कुछ घटनाएं प्रकाश में आयी थी। इन विफलताओं को रोकने के लिए शेड के कर्मचारियों के द्वारा निम्नलिखित दो सुधार किये गये :-

- 1) राईट एंगल गियर बॉक्स के टॉप फ्लेंज में पानी इकट्ठा होने वाले स्थान पर 4 होल बनाये गये जिससे कि पानी बाहर निकल सके।
- 2) गियर बॉक्स के वर्टिकल शॉफ्ट की स्लीव की लम्बाई बड़ा कर एवं कवर में अतिरिक्त कॉलर का प्रावधान कर स्लीव को ओवर लेप बनाया गया।

इस अभिनव प्रयास से राईट एंगल गियर बॉक्स में पानी के रिसाव की समस्या समाप्त हो रही है।



एचएचपी लोको पॉवर असेम्बली सिलेण्डर लाईनर हाइड्रोलिक टेस्टिंग गेजेट्स :-

डीजल लोको शेड इटारसी में 34 डब्ल्यूडीपी 4 लोकोमोटिव्स का अनुरक्षण किया जाता है। एचएचपी लोकोमोटिव्स में पॉवर असेम्बली एक महत्वपूर्ण उपकरण है। इस माह एचएचपी लोको की अनुरक्षण सुविधाओं का विकास करते हुए शेड स्टॉफ द्वारा शेड में उपलब्ध संसाधनों की सहायता से एचएचपी लोको के पॉवर असेम्बली सिलेण्डर लाईनर हाइड्रोलिक टेस्टिंग गेजेट्स का निर्माण किया गया। पॉवर असेम्बली के अनुरक्षण के दौरान सिलेण्डर लाईनर का हाइड्रोलिक टेस्टिंग 6 कि.ग्रा./सेमी.² , 70 डिग्री सेंटी. तापमान पर किया जाता है। इस गेजेट्स के माध्यम से एचएचपी लोको के पॉवर असेम्बली अनुरक्षण में लाभ होगा साथ ही एचएचपी लोको की विश्वसनीयता में भी वृद्धि होगी।



एचएचपी लोको के लिए पॉवर असेम्बली फायरिंग प्रेशर टेस्टर :-

“फायरिंग प्रेशर” कम्बुशन चैम्बर के विभिन्न प्रकार के उपकरणों जैसे वाल्व, लाईनर, पिस्टन, पिस्टन रिंग आदि की हेल्थ की स्थिति के बारे में संकेत देता है। शेड में अब तक एचएचपी लोको के लिए फायरिंग प्रेशर टेस्टिंग की सुविधा नहीं थी। माह नवम्बर 15 में शेड के कर्मचारियों द्वारा एक टेस्ट गेजेट्स का निर्माण किया गया है। अब एचएचपी लोकोमोटिव्स के पॉवर असेम्बली के फायरिंग प्रेशर की जॉच इस गेजेट्स की सहायता से सफलतापूर्वक की जा रही है।



वाटर इनलेट ट्यूब हायड्रालिक टेस्टिंग गजेट:-

वाटर इनलेट ट्यूब हायड्रालिक टेस्टिंग गजेट: एचएचपी लोको का एक महत्वपूर्ण उपकरण है। विगत कुछ समय में वाटर इनलेट ट्यूब से पानी के लीकेज की कुछ विफलताएं प्रकाश में आई थी। इन विफलताओं को रोकने के लिए शेड के कर्मचारियों द्वारा एक हायड्रालिक टेस्टिंग गजेट का डिजाईन तैयार कर निर्माण किया गया है। इस गजेट की सहायता से 14kg/cm^2 से हाईड्रोलिक टेस्टिंग किया जाता है इस प्रकार इस गजेट से खराब वाटर इनलेट ट्यूब को सर्विस में जाने एवं उनके लाईन पर होने वाली विफलताओं को रोका जा सकेगा।



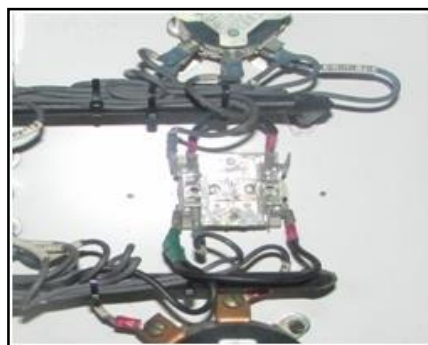
ट्रेक्शन अल्टरनेटर स्लिप रिंग कार्बन स्प्रिंग प्रेशर टेस्ट स्टैंड:-

इस माह के दौरान शेड के कर्मचारियों द्वारा उपलब्ध संसाधनों की सहायता से ट्रेक्शन अल्टरनेटर स्लिप रिंग कार्बन स्प्रिंग प्रेशर टेस्ट स्टैंड का अभिकल्प तैयार कर निर्माण किया गया इस टेस्ट स्टैंड की सहायता से ट्रेक्शन अल्टरनेटर स्लिप रिंग के कार्बन की स्प्रिंग के प्रेशर की जाँच सरलता पूर्वक की जा सकती है। एल्को लोको के ट्रेक्शन अल्टरनेटर स्लिप रिंग कार्बन स्प्रिंग का प्रेशर 1.63 से 2.2 कि.ग्रा/वर्ग से.मी. के बीच होना चाहिये। ट्रेक्शन अल्टरनेटर स्लिप रिंग के कार्बन की स्प्रिंग के प्रेशर की जाँच सुचारु रूप से सुनिश्चित करने के परिणामस्वरूप ट्रेक्शन अल्टरनेटर की विफलताओं को कम किया जा सकेगा।



EFCO पुश बटन में अतिरिक्त लूप का उपयोग :-

आर.डी.एस.ओ. के मॉडिफिकेशन क्र. MP.MOD.EC.04.09.15 17- November 2015 के अनुसार एचएचपी लोको के ECC#1 एवं ECC4 में लगे EFCO पुश बटन के एनसी इन्टरलॉक के द्वारा EFCO रिले को इनरजार्ज्ड किया जाता है। किसी भी कारण इस इन्टरलॉक ओपन होने पर EFCO रिले ड्रॉप होकर इंजिन बंद हो जाता है। इस समस्या से निजाद पाने के लिए EFCO रिले में लगे दूसरा एनसी कान्टेक्ट को पैरल सर्किट बना दिया गया है।



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 also being provided to the beneficiaries by Honorary Visiting Specialists and calling private doctor on case to case basis in Central Hospital, Jabalpur as well as in Divisional and Sub . Divisional Hospitals and also by recognizing private Hospitals.
3. Medical Department in Headquarter is headed by a CHOD, One SAG and Two SG Officer. There are four sanctioned posts of Gr. B (Jr. Scale) officers out of which two A Ph O~~s~~ 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.
07 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	1	15	01	28	Nil	26	02
HVS	10	01	03	01	10	04	07	01
CMPs working	06		09		13		11	
House Surgeons	03	03	Nil	-	-	-	-	-

(H/C= Honorary Consultant)

6. Certain parameters of medical services of entire zone

(From 01.4.2015 to 31.3.2016)

S.N	Description	Numbers
1.	No. of cases treated in OPD	1077498
2.	No. of cases treated in IPD	22869
3.	Average Length of Stay per patient	4.22 days
4.	Bed Occupancy ratio	696.66%
5.	Diagnostic investigations	466750
6.	No. of CT scan & MRI	1513
7.	HIV tested	4314
8.	No. of confinements in Rly. Hosp.	64
9.	No. of Operations performed (Major- 893 Minor- 5279 excl. Trivial & Special- 26)	5565

S.N	Description	Numbers
10.	Cataract operations	741
11.	Total No. of Medical examinations/Boards	
	a) Candidates	6024
	b) PMEs	7700
	C) Medical Boards	164
12.	Quality of drugs- Tests conducted	
	a) No. of medicines sent for analysis	198
	b) No. of result received	161
	c) No. of substandard reports	NIL
13.	Family Welfare Work	
	a. No. of sterilizations done (male & female)	42
	i. Vasectomy	10
	ii. Tubectomy	32
	b. No. of IUD insertion	65
14.	Health Activities	
	a. Food Samples	
	(i) Number collected under FSSA	72
	(ii) Collected under Quality Control	1980
	b. Water samples	
	(i) Bacteriological examination	3627
	(ii) Residual Chlorine sample tested	51568
15.	No. of passengers provided Medical Aid during journey/at Station/Yard etc.	4350

7. Machinery & Plant sanctioned during 2015-2016 - (list enclosed Annexure . I)

8. Works Programme sanctioned during 2015-2016 - 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 Centre, Jabalpur
4. Escorts Fortes Hospital Okhla, New Delhi
5. Aditya Super speciality Hospital and Trauma centre, Jabalpur

Jabalpur Division:

1. MGM Hospital, Katni.

Bhopal Division:

1. Jawaharlal Nehru Cancer Hospital, Bhopal.
2. Bhopal Memorial Hospital & Research Centre, Bhopal.
3. Aradhana Maternity Hospital & Dialysis Centre, Bhopal.
4. Chirayu Medical College & Hospital, Bhopal.

Kota Division:

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

10. चिकित्सा विभाग में घटित विशेष कार्यकलाप

- 1) वर्ष 2015-16 में रेलवे बोर्ड द्वारा चिकित्सा विभाग, पश्चिम मध्य रेल/जबलपुर को दक्षता शील्ड प्राप्त हुई है।
- 2) वर्ष 2015-16 के दौरान पश्चिम मध्य रेल के सभी रेल अस्पतालों के बहिरंग विभाग में 1077498 मरीजों एवं अंतरंग विभाग में 22869 मरीजों का उपचार किया गया ।

- 3) वर्ष 2015-16 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।
- 4) वर्ष 2015-16 के दौरान पश्चिम मध्य रेल के केन्द्रीय अस्पताल जबलपुर एवं विभिन्न मंडल रेल अस्पतालों में 53 विशेष आपरेशन जिसमें Laparoscopic with crurorrhaphy with fundoplication, Laproscopic Nephrectomy, Laparoscopic single port appendectomy, Total Lap. Hystesectomy, Laproscopic Herniotomy, 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 753 मेजर आपरेशन एवं 4759 माइनर आपरेशन भी किये गये।
- 5) "Prostatectomy by Laser Method & Removal of stone by Laser Method", "Chronic Kidney Diseases", "Subclinical Thyroid Disorder", "Hypertension Management", "Hypertension Management", "Subclinical Thyroid Disorder", "Prostatectomy by Laser Method & Removal of stone by Laser Method", Tender & Process 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।
- 6) वर्ष 2015-16 के दौरान पश्चिम मध्य रेल में कुल 91 स्वास्थ्य परीक्षण शिविरों का आयोजन कर कुल 7103 रेल कर्मचारियों तथा उनके परिवारजनों का स्वास्थ्य परीक्षण किया गया।
- 7) वर्ष 2015-16 के दौरान पश्चिम मध्य रेल में प्लस पोलियो कार्यक्रम के तहत कुल 52707 बच्चों को पोलियो की दवा पिलाई गई।
- 8) संविदा चिकित्सक चयन हेतु नई प्रक्रिया- पमरे में संविदा चिकित्सकों के चयन हेतु साक्षात्कार की नई व्यवस्था का माह सितम्बर 2015 से लागू की गई है जिसके तहत IRMS रिक्तियों के अनुसार हर माह प्रथम सोमवार को संविदा चिकित्सकों के चयन हेतु साक्षात्कार आयोजित किये जा रहे हैं तथा चयन का परिणाम उसी दिन जारी कर चयनित चिकित्सकों को नियुक्ति पत्र प्रदान किया जा रहा है। इससे सी.एम. पी. के ज्वाइन करने का प्रतिशत 20 प्रतिशत से बढ़कर लगभग 75 से 80 प्रतिशत हो गया है।
- 9) दिनांक 17.05.2015 को केन्द्रीय चिकित्सालय जबलपुर में नर्सिंग स्टाफ के लिए सी.एम.ई. प्रोग्राम का आयोजन किया गया। पमरे में नर्सिंग स्टाफ के लिए यह पहली सी.एम.ई. है। वर्तमान में मेडिकल क्षेत्र में नई दवायें, नये उपकरण एवं उपचार की नई विधियाँ आ रही है एवं पुरानी विधियाँ समाप्त हो रही है। नर्सिंग स्टाफ को इन नई विधियों की जानकारी प्रदान करने हेतु यह सी.एम. ई. का आयोजन किया गया है।
- 10) दिनांक 02.07.2015 से मुख्य चिकित्सा निदेशक कार्यालय में ई डाक सुविधा प्रारंभ की गई है।

(Annexure-1)

Machinery & Plant sanctioned during 2015-16, Railway Board

Sr.	Discription	Cost in 000's
1.	Fully Automatic Clinical Biochemistry	1696
2.	Computerised Radiography System	1680

Machinery & Plant sanctioned during 2015-16, GM (LSG)

Sr.	Discription	Cost in 000's
1.	Ophthalmic operating Microscope	895

8. परिचालन/OPERATING

(A) Coaching performance 2015-16

1. Punctuality:

- i. Punctuality of Mail/Express train is 83.08% for the financial year 2015-16 as compared to 88.73% for the same period of last year i.e. -6.36% drop from the last year.
- ii. Punctuality of Passenger train is 80.48% for the financial year 2015-16 as compared to 85.75% for the same period of last year i.e. -6.15% drop from the last year.

2. New Trains:

No new service has been introduced during 2015-16.

3. Extension:

- i. 11449/11450 JBP-JAT-JBP Exp. extended to SVDK w.e.f. 08.09.2015.
- ii. 19803/19804 KOTA-JAT-KOTA Exp. extended to SVDK w.e.f. 05.09.2015.
- iii. 59821/59822 KOTA-BHIND-KOTA Pass. Extended to ETAWA w.e.f. 28.02.16.

4. Augmentation:

16 pair of trains have been augmented on permanent basis by total 28 coaches (17 ACCN, 04 ACCW, 04 FAC and 03 FACCW) on WCR in financial year 2015-16.

5. Extra coach:

2078 coaches have been attached to clear rush during 2015-16 in comparison to 5752 of last year i.e. drop by -63.87%.

6. Extra coaches on FTR:

93 coaches (157 trips) were attached during 2015-16 in comparison to 144 coaches (227 trips) of last year i.e. drop by -35.42%.

7. Special trains on FTR:

69 Spl. trains (138 trips) have been run on FTR during 2015-16 fetching an earnings of Rs. 22.18 crores in comparison to 78 Spl. trains (156 trips) fetching an earnings of ₹22.81 crores in the same period of last year i.e. drop by -2.76%.

8. Special trains:

66 Spl. trains (1671 trips) were run during 2015-16 in comparison to 71 Spl. trains (1047 trips) in the same year i.e. 59.60% above to the last year.

(B) Freight performance 2015-16

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.

On Jabalpur Division Cement, Clinker, Lime stone, Food Grains, Iron Ore, Coal and other general goods are being loaded. Cement is loaded from seven plants (Birla Cement Satna, JP group Turkey Road, Prism Cement Hinauta Ramban, ACC Cement Kymore, Reliance Cement Bhadanpur, Maihar Cement Sarlanagar Satna and Dimaond Cement Damoh) 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. Coal is loaded from Majhauri for J.P. Power house near Niwas road, Katni-Singrauli section of Jabalpur division. Container loading is also started from HIMB siding of Hindalco near Bargawan.

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 Powar Kheda PFT, 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 ACC Cement Lakheri, Shriram Cement Dadhdevi and Mangalam Cement Morak sidings. Fertilizer from Shri Ram Fertilizers and Chemicals Dhaddevi and Chambal Fertilizers and Chemicals Bhonra sidings and Food grains from Kota, Bundi, Baran, Mehidpur, Hindauncity and Bharatpur. Containers are loaded from ICD depot at Ravtha Road .

On WCR there are 48 Goods shed including 8 half rake capacity and 61 sidings including 10 half rake capacity available. Almost all the sidings have round the clock working. There are 7 RRI at Jabalpur, Satna, Itarsi, Bina, Bhopal, Bharatpur, Sawaimadhopur and 7 major yards on this Railway. WCR has 19 interchange points with different Railways.

2. Unloading

Jabalpur division has 14 major terminals for inward traffic. In which there are 7 Cement plants (Birla Cement Satna, JP group Turkey Road, Prism Cement Hinauta Ramban, ACC Cement Kymore, Reliance Cement Bhadanpur, Maihar Cement Sarlanagar Satna and Dimaond Cement Damoh. One Aluminium Smelter and Captive power plant at Bargawan, one Thermal Power Plant Jai Prakash Power Ventures at Niwas Road, where Coal Gypsum and Aluminium powder are unloaded. At Bhitoni siding POL and LPG are unloaded.

There are 4 major goods shed Kachhpura, Nariaoli, Jhukehi, Satna and at Saugor where Cement, Fertilizer and food grains are unloaded.

Bhopal Division has 10 major points dealing with Inward traffic namely BORL Bina Refinery, Itarsi, Nishatpura, Mandideep, Pachor Road, Shajapur, Jujharpur and Guna where Cement, Fertilizer and food grains and coal are loaded and two Thermal Shree Singaji thermal Power plant, Jaypee Bina thermal plant where coal is unladed.

Kota Division is having 10 major points including 4 thermal power plant namely Kalisind thermal Power Plant, RSEB, Chhabra thermal Power Plant, Adanani Power, Shriram Fertilizers Dadhdevi, Mangalam Cement Morak, Kota, Bharatpur, Baran and Hindauncity where coal, gypsum, cement, fertilizer and food grains are unloaded.

3. Loading Target and Actual loading during the year 2015-16

- a) During the FY year 2015-16 originating freight revenue target was 44.00.
b) During the year 2015-16, 41.66 MT of freight Loading was achieved which is 2.79% higher than 40.52 MT Loaded during 2014-15 and 5.34% below the Target of 44.00MT.

Particulars	Target 2015-16 (In MTs)	Loading (In MTs)		% Variation	
		2014-15	2015-16	TGT	Last Year
Originating Revenue Freight Loading	44.00	40.52	41.66	(-) 5.34	(+) 2.79

ACHIEVEMENTS:

- a) During the FY 2015-16 a percentage increase of 64.67% in Coal, 16.65% in RMSP, 15.89% in Containers, 5.55% in Fertilizer, 2.32% in POL and 2.04% in Food grain, was achieved as compared to 2014-15.

A comparative table showing commodity wise increase in originating Freight Loading for the year 2015-16 over 2014-15 is as under.

SN	COMMODITY	Actuals		% Variation over last year
		14-15	15-16	
1	Coal	2.13	3.51	+ 64.67%
2	RMSP	1.38	1.61	+ 16.65%
3	Containers	0.56	0.65	+ 15.89%
4	Fertilizer	4.51	4.76	+ 5.55%
5	POL	2.42	2.48	+ 2.32%
6	F/Grain	4.3	4.38	+ 2.04%

- b) Best ever cumulative revenue freight loading of 41.66 MT has been achieved during the financial year 2015-16 surpassing the previous best ever of 40.52 MT achieved in 2014-15. A percentage increase of 2.79% was achieved over 2014-15.
- c) During the month of January-16, best ever loading of 3.94 MT has been achieved, surpassing the previous best ever of 3.84 MT achieved during January-15.

(C) Planning:

- PFT at PKRD for M/s Kesar Multimodel Logistics has been commissioned on 28-01-2016.
- 43.720 kms 3rd line in Bina-Bhopal section commissioned as under:-
 - (i) Bareth-Kalhar-mandibamora.
 - (ii) Sukhisewaniya-Nishatpura.
 - (iii) Gulabganj-Sorai.
- One IBS between Lagargawna-Satna commissioned.
- Chord line between KTE(S)-KMZ commissioned.
- Patch doubling between Ghatpindarai-Belkheda commissioned.
- Two new crossing station . Sursaihat Jhar, and Chaurakheri commissioned.
- Electrification of Ramganjmandi-Jhalwar city completed.

9. कार्मिक / PERSONNEL

1. EDUCATION

A) SENIOR SECONDARY RAILWAY SCHOOLS OF WCR

1. Railway Senior Secondary School, New Katni Junction
2. Railway Senior Secondary School, New Yard, Itarsi.
3. Railway Senior Secondary School, Gangapurcity.

B) SECONDARY SCHOOLS OF WCR

1. Railway High School, Kota.
2. Railway High School, Loco Taliya, Jabalpur.

West Central Railway is running three prestigious Higher Secondary Schools at New Katni, Jabalpur division, Itarsi, Bhopal division and Gangapur City, Kota division. In addition to this, two High schools at JBP which monitored by Railways. Total number of 2464 children of Railway employees as well as non-railway persons are being educated in these schools every year. In addition to this, one Kendriya Vidhyalaya at New Katni and one Bal Bharti Public School at CRWS/Bhopal is also running on the Rly land for the benefit of children of Railway employees. To promote various cultural and sports activities amongst children studying in these schools, inter-school Competitions are organized every year. Apart from this, Educational tours, summer camps are also arranged in summer vacations. The main objects of these summer camps are to improve activities amongst children like games and sports, hobby development, environmental knowledge, health awareness, cultural activities, programmes for improvement in handwriting, & reading habits. Prominent dignitaries are invited to deliver lectures in these camps on various important subjects such as conservation of environment disaster management, water harvesting etc.

C) Scholarship for Technical/Professional Education:

Scholarship is awarded from SBF to promote education of eligible wards, dependents and brothers/sisters of railway employees undergoing Technical Education such as diploma in Computer science, medical, veterinary, various kind of Engineering courses including Agriculture course from recognized Institutes/Universities. Minimum duration of such courses should be four years for degree and three years for diploma of regular duration. Part-time/Correspondence courses are not covered under this scheme.

The sons & wards of the employees getting scholarship/financial assistance from educational institutions and Government/University etc are not eligible for scholarship distributed from SBF.

The CSBF Committee may change the award of any scholarship/financial assistance under the prescribed norms or as per prevailing conditions.

2. RAILWAY INSTITUTES AND CLUBS

25 Railway Institutes and 07 Officers Recreation Clubs, are functioning on WCR, which are situated at different stations where large number of Staff /Officers are working. SBF grant is provided to these Institutes for recreations.

(i) Railway Institutes

S.N	Division	Name and location of Railway Institutes
1	Jabalpur	Sr. Railway Institute, Jabalpur
2		Jr. Railway Institute, Jabalpur
3		Railway Institute, New Katni Jn.
4		Railway Institute, Satna
5		Railway Institute, Damoh.
6		Railway Institute, Beohari
7		Railway Institute, Katni
8	Bhopal	Sr. Railway Institute, New Yard, Itarsi
9		Jr. Railway Institute , New Yard, Itarsi
10		Railway Institute, 12 Bungalow, Itarsi
11		Railway Institute, Bhopal.
12		Railway Institute, Bina
13		Railway Institute, Guna
14		Railway Institute, Harda
15		Railway Institute, Vidisha
16	CRWS/BPL	Rly Institute, CRWS colony, Nishatpura, Bhopal
17	Kota	Sr. Railway Institute ,Kota
18		Sr. Railway Institute, GangapurCity
19		Jr. Railway Institute ,GangapurCity
20		Railway Institute, Bundi
21		Railway Institute, Bharatpur
22		Railway Institute, Shayamgarh
23		Railway Institute, Tuglakabad
24		Railway Institute, Sawai Madhopur
25		Railway Institute, Bayana

(ii) Officers Club

Name and location of officer's Club
Satpura Club, Railway Station, Jabalpur
Simraul Club, New Katni Junction.
Narbada Club, Habibganj
Officers Club, New Yard Itarsi
Sanchi Officers Club, CRWS Complex, Nishatpura, Bhopal
Menal Club, Kota
Officers Club, Tuglakabad

3. SOCIAL WELFARE CENTRES

Handicraft centers and Welfare centers are functioning on this Railway to provide opportunity to railway employees and their family members who can utilize their spare time in useful and profitable manner by stitching garments/uniforms of Railway employees.

In the Divisions & Workshops of this Railway there are 09 Social Welfare Centers and one Handicraft Center.

S.N	Division	Name and location
1	Jabalpur	Social Welfare Centre, Bajrang Colony, JBP
2		Social Welfare Centre, Adarsh Colony, JBP
3		Social Welfare Centre, Subash Colony, JBP
4		Social Welfare Centre, New Katni Jn.
5		Social Welfare Centre, Sagar
6		Social Welfare Centre, Satna
7	Bhopal	Social Welfare Centre, Itarsi
8		Social Welfare Centre, BPL
9		Social Welfare Centre, Bina

4. COMMUNITY HALL

The following Community halls are available for the benefit of the railway employees on this Railway for various social functions such as marriage ceremonies and other functions. of Railway staff and their family. These have been allotted on normal prescribed rent basis to the employees of this railway.

Division	Community Hall
Jabalpur	Rly. Community Hall, Umang, Jabalpur
	Utsav Community Hall, Madanmahal, Jabalpur
	Rly. Community Hall, Ullas, Howbag, Jabalpur
	Rly. Community Hall, NKJ
Bhopal	Vandana Community Hall, Itarsi
	Rly. Community Hall Habibganj
	Community Hall, Bhopal
	Community Hall, Guna
Kota	Rly. Community Hall, Kota
	Community Hall, WRS, Kota

5. HOLIDAY HOMES

There are three Holiday Home on this Rly. It has 02 officers suit and two employee suits. Pachmarhi is situated 54 Kms away from Pipariya Railway station. Pachmarhi is approachable by regular bus services from Pipariya Pachmarhi is famous for its beautiful natural sceneries & waterfalls. Next Holiday Home is at Kota, which consists of 2 suites for Non Gaz. Staff. Another Holiday Home is at Maiher.

Allotment of the Holiday Home for group C is done by Assistant Personnel Officer (Welfare) Jabalpur Division. (Rly Phone no: - 55706) Suite for the officers is being allotted by Sr. DEN (Co) Jabalpur.

Division	Holiday Home
Jabalpur	Pachmarhi
	Maiher
Kota	Kota

6. CANTEENS

02 Statutory and 04 Non . Statutory Canteens as well as 02 contract Base canteen are functioning on No profit -No loss basis over West Central Railway, for the benefit of Rly staff.

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

7. SUBSIDIZED HOSTELS

There are Subsidized Hostels on this Railway. One is situated at Railway Upper Line Colony, Jabalpur where the accommodation is of 28 students.

JBP	BPL	KOTA	CRWS	WRS	Total
01	-	-	-	-	01

8. Crèches

Crèches have been set up which are being run at Rly colonies by WWO/JBP at JBP for the benefit of staff working in the divisional offices. Assistance is given from the SBF for the smooth functioning of these crèches.

JBP	BPL	KOTA	CRWS	WRS	Total
01	-	-	-	-	01

9. CULTURAL ACTIVITIES /SCOUT AND GUIDE

For promotion and encouragement of cultural activities over WCR, amongst the employees and their families, special programmes are being organized by the Cultural Academy of HQ and cultural academy of JBP, BPL and Kota division. Every year funds have been provided by SBF for smooth functioning of the cultural academy. Scouts and guide organization participating in various functions such as children Camps, cultural activities on Republic day and Independence day, Welfare work on Polio day, various sports functions and other social functions. Every year assistance is given by SBF for cultural activities and Scout and guide activities.

10. STAFF BENEFIT FUND

The Management Committee of Staff Benefit Fund at HQ level, manage all sorts of welfare activities and plans other social activities by distributing the funds on the basis of per capita ratio and allotment conveyed by Rly Board under various heads to divisional/workshop SBF committees for organizing the regular activities over WCR. For efficient utilization of allotted funds under SBF, the regular meetings are conducted at HQ level to review the performance and to ensure proper functioning of Sub- Committees constituted at Division and Workshop level.

(i) Recreation and Amusement

(a) Holiday Camps

Every year, CSBF provides funds for organizing Holiday Camps for the children and non-gazetted railway employees at Zonal level as well as Division/Workshop level separately. An amount of ₹3,00,000 /- is allotted for each camp. Total no of 50 Children above 11 to 14 years

of age are eligible to participate in each camp. Employees nearing to retirement are given preference in the employees Camp. Total no of 50 railway employees can participate in each camp. Camp Officer, Camp management staff, Doctor, Nurse and SBF committee members are deputed to organize each camp successfully.

(b) Railway Institutes

The CSBF Committee communicates sanction of funds for maintenance of the Railway Institutes based on the number of membership on 1st of April every year. Financial aid @ ₹10/- per member is being given to these Institutes from SBF.

(ii) Relief of Distress and Sickness

(a) Maintenance Grant

Financial assistance as interim relief towards maintenance grants @ ₹4000/- P.M. irrespective of basic pay and pay band, is provided to Non Gazetted Railway Employees suffering from sicknesses like T.B./Leprosy/Cancer & HIV+ve and other chronic disease provided they do not have leave credited to their account. The concerned Personnel Inspectors/Welfare Inspectors are rendering assistance to such employees of his jurisdiction and educating them to file claim of maintenance grant in prescribed form for taking payment from SBF through respective divisional committees.

(b) Reimbursement of cost of spectacles

For the cost of spectacles, ₹1000 /- or actual cost whichever is less will be reimbursed once in five years to all Non- Gazetted Rly employees by the respective committees.

(c) Reimbursement of cost of Dentures

Re-imbursement in respect of the cost of denture is granted to an non gazetted employee once in his whole service at the rates given below:-

Half Set	: ₹10,000/-
Full Set	: ₹ 20,000/-

(d) Financial Assistance to the children of Railway Employees for Deaf, Dumb, Blind and mentally retarded

Financial Assistance @ ₹ 5000/- per child per annum is granted to deaf, dumb, blind and mentally retarded children of the Railway employees from SBF on filing claim to respective SBF committees.

(e) News Papers Magazines to Indoor Patients

For entertainment of indoor patients admitted in Railway Hospitals, news papers/Magazines are provided through respective SBF committees.

(iii) Women empowerment

For the benefit of women of Rly employees & for their higher education in Weaving, knitting, spinning, tailoring of garments, Beauty parlour, Jewellery making, Mehendi, fabric painting, part time courses of 15 to 30 days are being organized from respective SBF committees with the object of helping them in learning some profitable skill just to enhance their family income. Educational camps have been arranged by the divisions for the working Women to enlighten them with the rules and the changes made by Rly Board.

(iv) Homeopathic/Ayurvedic Dispensaries

To encourage indigenous system of medicine amongst the Railway employees, Homeopathic/Ayurvedic dispensaries are being run by the respective SBF committees in the divisions/workshops. There are 09 Homeopathic & 01 Ayurvedic dispensaries functioning on this Railway on part time basis. These dispensaries remain open every day from 9.00 to 13 Hrs and 15 Hrs to 19 Hrs. in the evening except on Sunday and holidays. Part time Doctors are engaged to maintain these dispensaries. For proper and efficient functioning of the dispensaries the Divisional/Workshop SBF Sub Committee has overall control of the working of these dispensaries. The facilities in these dispensaries have been developed by the honorary doctors in consultation with the SBF committee members within the prescribed grant. The retired Rly employees and their families can also avail the facilities of these dispensaries on the similar terms and conditions as applicable to allopathic treatment subject to production of Medical Identity Card and on payment of half the rates of fees paid for Allopathic dispensaries.

S.N.	Div	Dispensary	Location	Name of Doctor & Qualification	Honorarium Paid per month
1	JBP	Homeopathic	DRM's office, JBP	Dr. Alkesh Kumar Khatri MA/DHMS	24,000/-
			Adarsh Colony, JBP	Dr. Alkesh Kumar Khatri MA/DHMS	
			Rly Hospital, NKJ	Dr. Ram Sagar Pandit	
2	BPL	Homeopathic	DRM's office, HBJ	Dr. Prem Swaroop Shrivatava DHMS	24,000/-
			West Rly Colony, BPL	Dr. Smt.Sangita Jain DHMS	
			East Rly Colony Bina		
			Yard Itarsi	Dr. Abhishek Soni DHMS	
3	Kota	Homeopathic	Rly Hospital, Kota	Dr R.N. Bharadwaj DHMS	24,000/-
		Ayurvedic	Rly Hospital, Kota	Dr. Ashok Sharma BASMS	
		Homeopathic	Railway Hospital, Gangapurcity	Dr. Manav Jain DHMS	

The important activities of West Central Railway Women's Welfare Organization, Jabalpur is stated below: (April 2015 to March 2016)

- WCRWWO/JBP honoured 17 women employees (Group C and Group D) and 11 sincere, dedicated, Gr. D employees who have put in more than 25 years of service. Drawing and Painting & Essay Competition for wards of Non Gazetted railway employees was organized. 60 best performing children were awarded cash prizes and certificates.
- WCRWWO gave financial assistance of ₹25000/- each to two daughters of group D railway staff for the Nursing Assistant Course 2015-16.
- Summer camp was organized for the children and family members of railway employees for a period of fifteen days. Training in Art & Craft, Quilling, Calligraphy, Rangoli & Mehendi , Bollywood Dancing was imparted.
- The Organization is committed towards conservation of environment and cleanliness & have planted many trees at different places.

10. जनसम्पर्क/PUBLIC RELATION

पश्चिम मध्य रेल में आयोजित निम्न कार्यक्रमों की खबर जनसम्पर्क विभाग द्वारा प्रेस विज्ञप्ति के माध्यम से प्रिंट एवं इलेक्ट्रॉनिक मीडिया को भेजा गया।

S.N.	Date	Important Events
1	15.04.2015	भारत रत्न डॉ. भीमराव अम्बेडकर का 124 वां जन्म दिवस
2	17.04.2015	पश्चिम मध्य रेल का 60 वां रेल सप्ताह संपन्न
3	18.04.2015	पश्चिम मध्य रेलवे ने मनाया विश्व हेरिटेज दिवस
4	28.04.2015	रेल सुरक्षा बल का वृत्तह सेमिनार आयोजित
5	07.05.2015	पश्चिम मध्य रेल महिला कल्याण संगठन मुख्यालय द्वारा "मजदूर दिवस" के उपलक्ष्य में रेलकर्मी सम्मानित
6	08.05.2015	रेलवे बोर्ड के चेयरमैन श्री ए.के. मित्तल का कल जबलपुर आगमन
7	09.05.2015	अध्यक्ष, रेलवे बोर्ड श्री ए. के. मित्तल ने पश्चिम मध्य रेल के कार्य निष्पादन की समीक्षा बैठक ली
8	09.05.2015	श्रीमती रश्मि मित्तल, अध्यक्ष, रेल महिला कल्याण केन्द्रीय संगठन द्वारा पश्चिम मध्य रेल महिला कल्याण संगठन की गतिविधियों की समीक्षा
9	10.05.2015	अध्यक्ष, रेलवे बोर्ड श्री ए. के. मित्तल ने किया रेलवे ऑफिसर क्लब का उद्घाटन
10	25.05.2015	विदिशा में माननीय रेल मंत्री द्वारा "डीजल लोकोमोटिव के ट्रेक्शन ऑल्टरनेटर कारखाने" कारखाने का शिलान्यास
11	25.05.2015	दिनांक 26.05.2015 से 09.06.2015 तक रेलयात्री/उपभोक्ता पखवाड़ा मनाया जायेगा
12	27.05.2015	वेस्ट सेन्ट्रल रेलवे मजदूर संघ के साथ वर्ष 2015 की द्वितीय पीएनएम बैठक
13	04.06.2015	भारतीय रेलवे पर पहली बार डॉटा लागर एम.आई.एस. प्रणाली पश्चिम मध्य रेल में
14	06.06.2015	रेलवे केन्द्रीय चिकित्सालय में नवनिर्मित शल्य चिकित्सा परिसर का उद्घाटन
15	09.06.2015	रेलयात्री/उपभोक्ता पखवाड़ा दिनांक 26 मई 2015 से 09 जून 2015 का समापन
16	12.06.2015	मेम्बर ट्रेफिक रेलवे बोर्ड का जबलपुर दौरा
17	17.06.2015	पश्चिम मध्य रेल मुख्यालय में राजभाषा पुरस्कार वितरण समारोह
18	26.06.2015	महाप्रबंधक, पश्चिम मध्य रेल, सभागृह में चल लेखा निरीक्षकों का दो दिवसीय 11वें सेमिनार का आयोजन
19	23.07.2015	वरिष्ठ मंडल वाणिज्य प्रबंधकों की बैठक आयोजित
20	24.07.2015	क्षेत्रीय राजभाषा कार्यान्वयन समिति, जबलपुर की 33वीं बैठक संपन्न
21	20.08.2015	पमरे में मनाया गया सद्भावना दिवस
22	01.09.2015	पश्चिम मध्य रेल पर अब एक भी मानव रहित फाटक नहीं पश्चिम मध्य रेल भारतीय रेल में यह उपलब्धि हासिल करने वाला पहला जोन बना
23	04.09.2015	रे.सु.ब. का स्थापना दिवस समारोह
24	10.09.2015	पश्चिम मध्य रेल मुख्यालय में तृतीय पीएनएम बैठक
25	19.09.2015	हबीबगंज स्टेशन को मिला भारत का 'बेस्ट टूरिस्ट फ्रेंडली स्टेशन' अवार्ड
26	20.09.2015	अतिरिक्त सदस्य रेलवे बोर्ड का जबलपुर दौरा
27	24.09.2015	" पश्चिम मध्य रेलवे राजभाषा पखवाड़ा 2015 - समापन समारोह " 'मुर्गे देशी बांग विदेशी' नाटक का मंचन एवं पुरस्कार वितरण
28	26.09.2015	दिनांक 25 सितम्बर 2015 से 31 मार्च 2016 तक राष्ट्रीय स्वच्छता मिशन के अन्तर्गत प.म.रे. में स्वच्छ भारत अभियान
29	28.09.2015	केन्द्रीय चिकित्सालय जबलपुर द्वारा संभागीय सतत चिकित्सा शिक्षा कार्यक्रम

30	28.09.2015	भारतीय रेल पर पश्चिम मध्य रेल बायोडीजल इस्तेमाल करने वाला प्रथम जोनल रेलवे
31	02.10.2015	पश्चिम मध्य रेल पर राष्ट्रीय स्वच्छता मिशन: स्वच्छ भारत अभियान की शुरुआत
32	09.10.2015	सिंहस्थ कुंभ मेले की पूर्व तैयारी हेतु महाप्रबंधक ने ली बैठक
33	09.10.2015	पश्चिम मध्य रेल पर साफ-सफाई के कार्यों पर सेमिनार का आयोजन
34	10.10.2015	नवरात्रि मेले पर रेलवे ने की तैयारी
35	13.10.2015	अंतर रेल सांस्कृतिक प्रतियोगिता संगीत 2014 में पमरे के कलाकारों ने जीते पुरस्कार एवं दर्शकों के दिल
36	14.10.2015	रेल सौरभ कॉलोनी में पाथवे, तालाब सौन्दर्यकरण और रेन वाटर हरवेस्टिंग का उद्घाटन
37	20.10.2015	पश्चिम मध्य रेल द्वारा 11 वें अंतर्राष्ट्रीय रेलवे उपकरण प्रदर्शनी में भाग
38	26.10.2015	पश्चिम मध्य रेल में सतर्कता जागरूकता सप्ताह का आयोजन
39	30.10.2015	पश्चिम मध्य रेल में मनाया गया 'राष्ट्रीय एकता दिवस'
40	09.11.2015	महाप्रबंधक पश्चिम मध्य रेलवे की प्रेसवार्ता
41	17.11.2015	जबलपुर क्षेत्र के माननीय सांसदों के साथ महाप्रबन्धक (प.म.रे.) की महत्वपूर्ण बैठक सम्पन्न
42	21.11.2015	वित्त आयुक्त (रेलवे) श्री संजॉय मुकर्जी का जबलपुर आगमन
43	30.11.2015	अब सस्ती बिजली से चलेगी मध्य प्रदेश में रेल पश्चिम मध्य रेलवे और रत्नागिरी गैस पॉवर प्लांट लिमिटेड के बीच एतिहासिक करार
44	30.11.2015	पश्चिम मध्य रेलवे में पहले अतिरिक्त महाप्रबंधक ने कार्यभार संभाला
45	07.12.2015	डॉ. भीमराव अम्बेडकर जी का महापरिनिर्वाण दिवस
46	16.12.2015	वेस्ट सेन्ट्रल रेलवे मजदूर संघ के साथ चतुर्थ पीएनएम बैठक
47	19.12.2015	पश्चिम मध्य रेल महिला कल्याण संगठन, जबलपुर द्वारा पुरस्कार वितरण समारोह
48	23.12.2015	38वीं दूरसंचार मानक समिति की बैठक
49	28.12.2015	वेस्ट सेन्ट्रल रेलवे एम्पलाइज यूनियन के साथ वर्ष 2015 की चतुर्थ पीएनएम
50	30.12.2015	क्षेत्रीय राजभाषा कार्यान्वयन समिति, जबलपुर की 35वीं बैठक संपन्न
51	06.01.2016	मॉडल रैक का महाप्रबंधक पश्चिम मध्य रेल द्वारा निरीक्षण
52	27.01.2016	पश्चिम मध्य रेल पर 67 वां गणतंत्र दिवस समारोह
53	27.01.2016	कार्डियों पलमोनरी सेन्टर का उद्घाटन

11.राजभाषा/RAJBHASHA

राजभाषा का प्रगामी प्रयोग (2015 - 2016)

पश्चिम मध्य रेलवे भारत सरकार की राजभाषा नीति के प्रभावी कार्यान्वयन और राजभाषा हिंदी के प्रयोग-प्रसार की दिशा में निरंतर सक्रिय है. वर्ष 2015-2016 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 98.66 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 1947 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 विज्ञप्ति, 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 30 कार्यशालाएं चलाई गईं जिनमें 872 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 30 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 48 हिंदी पुस्तकालय एवं 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 94 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 86.60 प्रतिशत डिक्टेशन हिंदी में दिए गए।
15. अधिकारियों/कर्मचारियों द्वारा हिंदी में नोटिंग:-
इस रेल पर अधिकारियों तथा कर्मचारियों द्वारा 97.22 प्रतिशत नोटिंग हिंदी में की गई।
16. हिंदी भाषा का प्रशिक्षण:-
इस रेल पर कुल 598 अधिकारियों में से 597 अधिकारियों हिंदी में प्रवीणता प्राप्त है तथा शेष 01 को कार्यसाधक ज्ञान प्राप्त है। कुल 53406 कर्मचारियों में 53306 कर्मचारी प्रवीण हैं तथा शेष 100 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 354 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। इस प्रकार पश्चिम मध्य रेल राजभाषा प्रयोग-प्रसार हेतु सतत प्रयत्नशील है।

		
<p>राजभाषा पखवाड़ा 2015 के समापन समारोह में महाप्रबंधक महोदय का संबोधन</p>	<p>हिंदी के सर्वाधिक एवं सराहनीय प्रयोग हेतु सिगनल एवं दूरसंचार विभाग को अंतर विभागीय राजभाषा शील्ड प्रदान करते हुए महाप्रबंधक महोदय</p>	<p>राजभाषा पखवाड़ा 2015 के समापन समारोह में सांस्कृतिक प्रस्तुति</p>

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, Signalling & 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, Signalling & 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 Rajesh Argal, who is from the engineering branch the following officers are presently posted in the safety department.

S.N.	Designation	Present incumbent
1.	Dy. CSO (Traffic	Shri Harish Billore
2.	EEE (Safety)	Shri R.B.Patel
3.	SSTE(Safety)	Shri A.P.Singh
4.	SEN (Safety)	Shri S. B. Sharma
5.	AEME (Safety)	Shri Anil Kumar Jagtap

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 Sanjay Kumar, Sr.DSO / JBP (Electrical)
- (ii) Shri Ravindra Sharma, Sr.DSO / BPL (Engineering)
- (iii) Shri Vinod Tamori 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 Comparative statistics of Consequential Train Accidents of 2014-15, 2015-16 and 2016-17 (upto June 16):

SN	Category	2014-15	2015-16	2016-17 (upto June)
1.	Collision	Nil	Nil	Nil
2.	Derailement	02	02	Nil
3.	Level Crossing (Unmanned)	Nil	Nil	Nil
4.	Level Crossing (Manned)	01	Nil	Nil
5.	Fire	Nil	Nil	Nil
Total		03	02*	Nil
* One derailment was due to %Wash away of approaches of Bridge at Km. 647/3-4 due to flash floods between Khirkiya- Bhiringi stations in Bhopal division+ another derailment of passenger train in loop line of Indragarh SumerganjMandi station of Kota division.				

➤ **WCR won Safety Shield three times in a row (2012-13, 2013-14 & 2014-15)**

3.0 Steps taken to reduce accidents:

3.1 Steps taken to enhance safety:-Following measures have been initiated on WCR to enhance safety :

- **SMS alerts in cases of over-speeding:** Over-speeding cases are being monitored at stations and alerts through SMS have been programmed based on data logger MIS in WCR. (*Introduced by S&T department in WCR*). In addition, ambush checks are being conducted regularly for checking over speeding by speed Gun.
- **Monitoring of Reversal of Points (GR 3.38(2)):** Daily monitoring of reversal of point is being done through data logger and reports received are analysed critically.
- **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 this aspect.
- **Securing of Stabled Loads:** Safety drives were launched to ensure proper securing of stabled loads and following common nature of irregularities were detected and corrective action has been taken:
 - (i) Inadequate numbers of application of hand brake.
 - (ii) Improper use of chain.
 - (iii) Inadequate length of chain.

3.2 Steps taken to reduce SPAD cases:-

Use of CUG Mobile: It is being monitored selectively that CUG mobile phone in off condition during run. Ambush checks are being conducted regularly. Special stickers are being pasted regularly in the all cabs in front of pilot seat to remind engine crew.

- Running staff are being counseled regularly to call out signal aspect loudly, indicating name of station, signal name and signal aspect.
- 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.
- Alcohol prone LPs are identified for taking reformatory measures and their close monitoring is being done. Surprise checks during run by Breath analyzer (BA) equipment is also being conducted.
- Weekly Monitoring of 10 Hour working during Safety Meeting at HQ.
- 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.
- Refresher & PME overdue staff are not allowed to perform duty.
- Welfare Inspectors have been nominated to interact with families of running staff. Problems raised by them are being taken care of. Families have been counselled on the significance of taking adequate rest while at home before duty.
- If any LP comes to duty after long leave/sickness of more than 15 days, nominated LI accompanies him on first trip. Moreover, 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 131, WCR owned SLRs have been equipped with Master Switches in Guard compartment as per Railway Board's instructions. (Target yielded 100%)
- Flush type electrical fittings have been provided in luggage compartment of all WCR owned SLRs have been provided as per Railway Board's instructions. (Target yielded 100%)
- All the WCR owned coaches have been provided with Over Voltage Protection Relays (OVPR). (Target yielded 100%)
- Provision of HRC and rewirable fuses as recommended by RDSO is being ensured in each 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. (Target yielded 100%)
- 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 has been practiced on WCR to prevent fire in coaches due to illegal carriage of inflammable articles by passengers. Any passenger/ staff can convey information regarding inflammable articles being carried by any passenger on dedicated mobile no. 9752415555 through SMS/Call. Stickers are also pasted in coaches and platforms.
- During primary maintenance attention is given on the following mandatory items
 - (i) No Loose joint/connection in wiring.
 - (ii) Over voltage protection relay in Regulator cum Rectifying Unit (RRU).
 - (iii) Proper fuse rating.
 - (iv) Testing & checking of charging point.
 - (v) Cleaning of Fuse Distribution Box/Junction Box. (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 & Over Heating Protection (OHP).
 - (x) Cleaning of Filters.

3.4 Steps taken to reduce Level Xing accidents:-

- **Elimination of Unmanned LCs: West Central Railway has become the first Zone of Indian railways to eliminate all unmanned level crossings from its system on 31.08.2015. In total 118 unmanned level crossing gates have been eliminated in this special campaign in last two years.**
- **Elimination of Manned LCs:** 45, 61 & 80 manned LCs have been eliminated during the years 2013-14, 2014-15 & 2015-16 respectively. 23 LCs have been closed in the year 2016-17 upto June 2016.
- **Construction of Road Over Bridge (ROBs):** 13, 3 & 3 ROBs have been constructed during the years 2013-14, 2014-15 & 2015-16 respectively.
- **Construction of Road under Bridges/ Limited Height Subways:** 80, 103 & 90 RUBs/LHSs have been constructed during the years 2013-14, 2014-15 & 2015-16 respectively.
- Provision of 2nd Whistle Board (Repeater) short of LCs on single line section: 2nd (repeater) W/L boards have been provided in all divisions on single line sections of WC Rly.
- Road users are regularly sensitized by -
 - (i) Counseling.
 - (ii) NukkadNatak.
 - (iii) Distribution of Hand Bills.
 - (iv) Ambush check.
 - (v) Bulk SMSs to road users.

3.5 Other Steps taken for improving safety on WCR:

3.5.1: Bridges-

- On WCR, all distressed bridges have been rebuilt and now there is no distressed bridge.
- On WCR, 187 bridges rehabilitated in last three years. 2013-14: 50, 2014-15: 65 & in 2015-16: 72.

3.5.2: Other steps –

- Monitoring of safety related works on every Tuesday through Safety Meeting by GM with all PHODs and DRMs.
- Total **11** Safety Drives have been launched during the year 2014, **11** nos. in the year 2015 & 6 nos. in 2016 (upto June) covering various aspects of safety measures. Compliance of safety drives is critically monitored.
- On WCR, 100% removal of infringing masts on main line has been done.
- With a view to improve visibility, relocating/increasing height of 09 signals has been done.
- Weekly monitoring of D&AR is being done at GM's level. Cases pertaining to Yard and Sidings are also included.

3.6 Other Safety activities like Safety Seminar, Safety Camp, NukkadNatak and distribution of Posters/Hand Bills/Stickers : The details of safety camps/seminars, ambush checks conducted, TV shows, advertisement and stickers posters hand bills which were distributed in last 3 years are as under-

SN	Items	2013-14	2014-15	2015-16
1	Safety Seminar	137	227	202
2	Safety Camp	46	73	75
3	No. of Posters/Hand Bills/Stickers	15301	33875	30324
4	Nukkad- Natak	38	33	33
5	No of ambush checks conducted at UMLC with the help of police & civil authorities.	215	250	245
6	Road users counseled	11908	21158	27464
7	No. of cases registered	304	292	294
8	Amount recovered from penalty (in lakhs)	22.69	14.06	19.18

3.7 Safety Meeting conducted by GM with all PHODs & DRMs (through video conferencing) On every Monday/Tuesday:

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 and every accidents happened on WCR and serious accidents happened on other railways.
- All unusual incidences happened on train parting cases, hot axle cases, damage of signals and other installations by open door wagons etc.
- Level crossing incidences i.e. boom breakage, LC phone failures, inattentiveness of gateman etc.
- Reversal of points immediate after arrival of trains 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.



Cleanliness Drive.



Rail Humsafar Saptah



Bio Toilet Tank



Bio Toilet Tank exhibition at Jabalpur Station



Safety Seminar at Bikampur

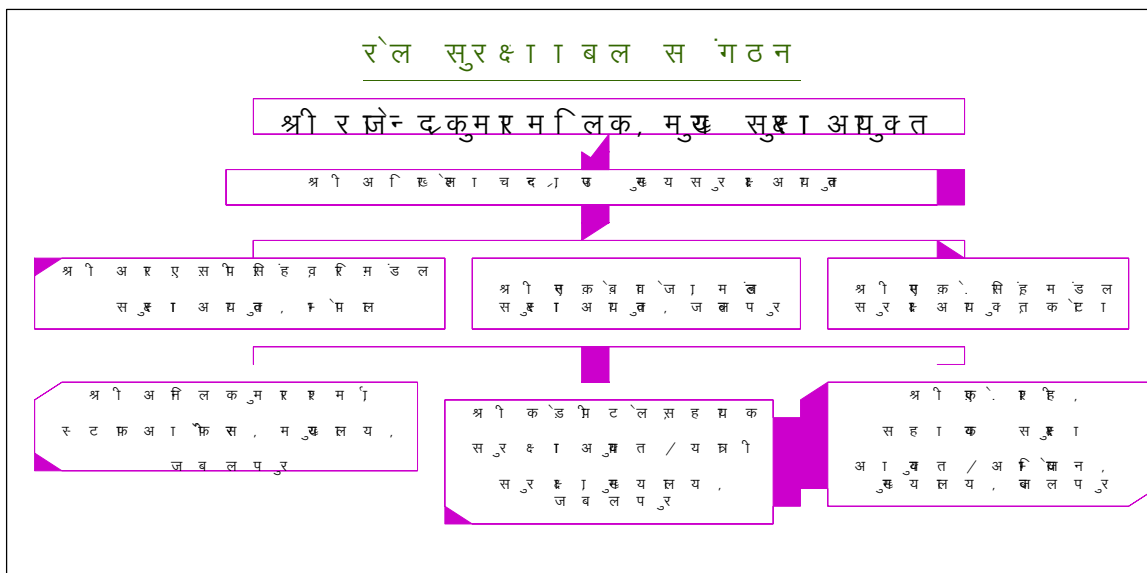


Mock Drill between Bhonra-Antah section of Kota Division

13. सुरक्षा/ SECURITY

रेल सुरक्षा बल संगठन:

रेल सुरक्षा बल के संगठन का अधीक्षण और कमान आरपीएफ अधिनियम 1957 (यथासंशोधित अधिनियम क्रं. 60 वर्ष 1985 एवम् अधिनियम क्रं. 52 वर्ष 2003) के तहत स्थापित होकर कार्य कर रहा है। इस अधिनियम के तहत रेलवे सुरक्षा बल के बुनियादी कर्तव्य रेल संपत्ति, यात्री एवं यात्री परिसरों की सुरक्षा एवं बचाव के साथ रेल परिचालन में आने वाली बाधाओं को दूर करने और सक्षम अधिकारियों द्वारा दिये गये विधिपूर्ण ओदशों का अनुपालन सुनिश्चित करना है। पश्चिम मध्य रेलवे में रेलवे सुरक्षा बल के संगठनात्मक ढांचे में एक मुख्य सुरक्षा आयुक्त, एक उप मुख्य सुरक्षा आयुक्त, मुख्यालय में 03 सहायक सुरक्षा आयुक्त, जबलपुर मंडल में एक मंडल सुरक्षा आयुक्त व सहायक सुरक्षा आयुक्त, भोपाल मंडल में एक वरि.मंडल सुरक्षा आयुक्त व 02 सहायक सुरक्षा आयुक्त एवं कोटा मंडल में एक मंडल सुरक्षा आयुक्त व सहायक सुरक्षा आयुक्त पदस्थ है।



दिनांक 01.04.2003 को पश्चिम मध्य रेलवे के नये जोन के रूप में स्थापित किये जाने के उपरान्त रेल सुरक्षा बल की स्वीकृत एवं उपस्थित संख्या दिनांक 31.03.2016 के अनुसार निम्नानुसार है:-

राजपत्रित अधिकारियों की स्वीकृत एवं उपस्थित संख्या:

पद	उप महानिरीक्षक	उप मु.सु.आ.	वरि.मं.सु.आ	मं.सु.आ	स.सु.आ.	कुल
स्वीकृत संख्या	01	01	01	02	07	12
उपस्थित संख्या	01	01	01	02	07	12
रिक्तियां	-	-	-	-	-	-

अराजपत्रित अधिकारियों की स्वीकृत एवं उपस्थित संख्या (कार्यपालक स्टाफ):

पद	निरीक्षक	उप निरीक्षक	स.उ.नि	प्र.आर.	आरक्षक	चालक	कुक्/कहार	कुल
स्वीकृत संख्या	43	78	137	602	885	11	16	1784
उपस्थित संख्या	37	65	119	465	1009	6	13	1668
रिक्तियां	06	13	18	137	-	5	03	182
अधिक	-	-	-	-	124	-	-	124

नोट:- पश्चिम मध्य रेलवे में 58 महिला अधिकारी एवं स्टाफ (उपनिरीक्षक-07 व आरक्षक-51) पदस्थ है।

पश्चिम मध्य रेलवे में रेलवे सुरक्षा बल द्वारा रेलवे संपत्ति की सुरक्षा संबंधी सौंपे गये दायित्वों का सफलतापूर्वक निर्वहन किया जा रहा है। रेल संपत्ति की सुरक्षा हेतु रेलवे सुरक्षा बल द्वारा किये गये प्रयासों के परिणामतः रेल संपत्ति की चोरी की घटनाओं पर नियंत्रण करने में सफल रहा है। वर्ष 2015-16 के दौरान रेल संपत्ति (विधि विरुद्ध) कब्जा अधिनियम के अंतर्गत 418 मामले हल करते हुए ₹15,09,319/- की रेल संपत्ति बरामद कर 670 व्यक्तियों को गिरफ्तार कर वैधानिक कार्यवाही की गई।

अपने लक्ष्य एवं उद्देश्यों की ओर अग्रसर होते हुए रेल सुरक्षा बल द्वारा उक्त समयावधि में यात्री सुविधाओं को ध्यान में रखते हुए हर संभव उपाय किये गये हैं। रेलवे सुरक्षा बल द्वारा नियमित/औचक रूप से अभियान चलाकर अनाधिकृत रूप से खाद्य सामग्री विक्रय करने, रेल टिकटों के अवैध व्यापार करने एवं असामाजिक तत्वों के विरुद्ध वैधानिक कार्यवाही कर यात्री गाड़ियों एवं स्टेशन परिसरों को अपराध मुक्त करने का प्रयास किये जा रहे हैं।

वर्ष 2015-16 के दौरान रेलवे अधिनियम की विभिन्न धाराओं के अंतर्गत कार्यवाही कर 2,67,751 व्यक्तियों के विरुद्ध वैधानिक कार्यवाही कर ₹10,79,53,547/- की राशि बतौर जुर्माना प्राप्त की गई। रेलवे सुरक्षा बल द्वारा रेल टिकटों की कालाबाजारी में बड़ी मात्रा में नियंत्रण स्थापित किया गया है। जिसके तहत 45 व्यक्तियों को गिरफ्तार कर अभियोजित कराया गया। इसी अवधि में अनुचित कारण से अलार्म चैन पुलिंग करने वाले 5513 व्यक्तियों को गिरफ्तार कर ₹22,48,228/- की जुर्माना राशि प्राप्त की गई।

यात्री गाड़ियों में बिना टिकट या उचित पास के यात्रा करने वालों के विरुद्ध वाणिज्य विभाग के साथ संयुक्त कार्यवाही करते हुए वर्ष 2015-16 के दौरान 1,98,376 व्यक्तियों से ₹9,12,72,810/- की राशि बतौर जुर्माना प्राप्त की गई।

समन्वय बैठक:

रेलवे सुरक्षा बल के महत्वपूर्ण कर्तव्यों में रेलवे परिसर में यात्री अपराध में नियंत्रण रखने हेतु शासकीय रेल पुलिस एवं सिविल पुलिस के साथ समन्वय कर कानून व्यवस्था बनाये रखने के लिये आवश्यक सहयोग प्रदान करना है। वर्ष 2015-16 के दौरान रेल सुरक्षा बल के मंडल सुरक्षा आयुक्त एवं उपर के वरि. अधिकारियों द्वारा शासकीय रेल पुलिस, सिविल पुलिस एवं स्थानीय प्रशासन के साथ 90 समन्वय बैठक आयोजित की गई।

क. अपराध के आंकड़े एवं सुरक्षा व्यवस्था:

बुक परेषण एवं रेलवे सामग्री के अंतर्गत रेल संपत्ति की चोरी में रेल संपत्ति (विधि विरुद्ध) कब्जा अधिनियम 1966 एवं रेलवे अधिनियम के अंतर्गत दर्ज एवं हल मामले की जानकारी निम्नानुसार है:-

➤ बुक परेषण की चोरी:

वर्ष	मामलो की संख्या			रेल संपत्ति की कीमत			गिरफ्तार आरोपी की संख्या
	दर्ज	हल	हल का प्रतिशत	चोरी	बरामद	बरामद का प्रतिशत	
2013-14	21	20	95.24	477240	445540	93.36	99
2014-15	16	10	62.5	297870	227170	76.26	49
2015-16	14	12	85.71	361865	400955	110.80	47

➤ रेलवे सामग्री की चोरी:

वर्ष	मामलो की संख्या			रेल संपत्ति की कीमत			गिरफ्तार आरोपी की संख्या
	दर्ज	हल	हल का प्रतिशत	चोरी	बरामद	बरामद का प्रतिशत	
2013-14	342	339	99.12	8,06,621	6,88,496	85.36	526
2014-15	354	355	101.0	6,48,794	6,38,890	98.47	579
2015-16	409	406	99.27	11,15,354	11,08,364	99.37	623

➤ रेल संपत्ति (विधि विरुद्ध) कब्जा अधिनियम 1966:

वर्ष	मामलो की संख्या			रेल संपत्ति की कीमत			गिरफ्तार आरोपी की संख्या
	दर्ज	हल	हल का प्रतिशत	चोरी	बरामद	बरामद का प्रतिशत	
2013-14	366	361	98.63	12,68,889	11,05,716	87.14	625
2014-15	366	363	99.18	9,11,644	8,24,960	90.49	621
2015-16	421	418	99.29	14,77,219	15,09,319	102.17	670

➤ रेल अधिनियम- 1989:

पश्चिम मध्य रेलवे में वित्तीय वर्ष 2013-14, 2014-15 व 2015-16 में रेलवे अधिनियम की विभिन्न धाराओं के अंतर्गत दर्ज मामले एवं जुर्माना राशि संबंधी जानकारी निम्नानुसार है:-

धाराएं	2013-14		2014-15		2015-16	
	गिरफ्तार व्यक्ति	जुर्माना ₹	गिरफ्तार व्यक्ति	जुर्माना ₹	गिरफ्तार व्यक्ति	जुर्माना ₹
137	25780	12767616	32581	16456844	37991	18557823
138	106281	47646271	137485	58614771	160385	72714987
141	3213	1884301	3292	1521060	5513	2248228
142	0	0	0	0	0	0
143	70	0	44	0	44	310145
144	13056	4435417	15093	4793701	15088	7071354
145	7369	950261	8502	750955	9985	1231040
146	118	43030	92	52920	141	68000
147	10257	1672650	4884	789435	5931	1185580
153	18	0	12	5700	14	1000
154	166	582850	160	726665	181	763415
155	9303	843340	9953	522025	12297	1095445
156	3231	284875	2578	180435	2801	279055
157	0	0	1	22700	79	13250
159	7074	706632	6180	581120	9020	1439990
160	103	48900	105	73966	141	133900
161	5	13000	2	48000	1	500
162	8994	477670	9250	398855	7607	539695
163	0	0	0	0	0	0
164	11	0	4	2000	10	5300
165	1	0	0	0	3	0
166	3	1500	1	500	2	500
167	772	40500	517	30750	343	28950
172	8	700	6	0	10	950
173	0	0	0	0	0	0
174	146	322550	138	183070	172	264440
175	0	0	0	0	0	0
180जी	0	0	0	0	0	0
कुल	1,95,979	7,27,22,063	2,30,880	8,57,55,472	2,67,751	10,79,53,547

- जहरखुरानी के प्रति जागरूकता :- प.म.रे. के तीनों मंडलों में रेल यात्रियों को जहरखुरानी के प्रति जागरूक रहने हेतु अभियान के दौरान पोस्टर, पम्पलेट एवं यात्री गाड़ियों के आगमन पर मेगाफोन एनाउंसमेंट कराते हुये यात्रियों को जागरूक किया जा रहा है।



- अवांछनीय तत्वों के विरुद्ध वैधानिक कार्यवाही :- स्टेशन एवं स्टेशन परिसर में भीड़ नियंत्रण करने, अवांछनीय तत्वों को रेलगाड़ी, रेल परिसर से दूर रखने के लिए अभियान चलाकर नियमित रूप से कार्यवाही की जा रही है। रेलगाड़ी, रेल परिसर में अनाधिकृत रूप से खाद्य सामग्री बेचने वाले, टिकट दलालों, छत/पायदान में बैठकर यात्रा करने वाले, महिलाओं की सुरक्षा हेतु महिलाओं के लिए आरक्षित कोच में यात्रा करने वाले एवं आरक्षित कोच में अनाधिकृत रूप से यात्रा करने वाले व्यक्तियों के विरुद्ध रेल अधिनियम के तहत वैधानिक कार्यवाही की जा रही है।



- ऑल इंडिया सुरक्षा हेल्प लाईन नंबर-182 का प्रचार-प्रसार :- प.म.रे. के तीनों मंडलों में यात्रियों को जागरूक करने हेतु यात्री गाड़ियों एवं स्टेशन परिसर में ऑल इंडिया सुरक्षा हेल्प लाईन नं. 182 के व्यापक प्रचार-प्रसार हेतु पम्पलेट/पोस्टर वितरण एवं चस्पा कर एवं एनाउंसमेंट कराकर प्रचार-प्रसार किया जा रहा है।

पमरे के तीनों मंडलों में श्वान दस्ता में श्वानों की स्वीकृत संख्या 26 है एवं उपस्थित 18 (स्नीफर-15 एवं ट्रैकर-03) है। पमरे के तीनों मंडलों के महत्वपूर्ण स्टेशनों में श्वान दस्ता द्वारा समय-समय पर यात्री गाड़ियों, आरक्षण केन्द्र एवं पार्सल कार्यालयों में सघन चैकिंग कराई जा रही है तथा विध्वंसकारी घटनाओं के मद्देनजर जीआरपी से समन्वय कर आवश्यक सहयोग प्रदान किया जा रहा है।



➤ रेल सुरक्षा बल श्वान दस्ता की परफॉरमेंस :-



❑ ज्वलनशील पदार्थ के संबंध में जागरूकता अभियान :-

- वर्ष 2015-16 के दौरान रेलवे सुरक्षा बल द्वारा स्टेशन/यात्री गाड़ियों में 17589 चैक एवं 78 जागरूकता अभियान संचालित किये गये।
- रेल अधिनियम की धारा 164 के तहत 10 व्यक्तियों को ज्वलनशील पदार्थ के परिवहन किये जाने पर गिरफ्तार किया गया।
- ज्वलनशील पदार्थ के परिवहन किये जाने पर सूचना दिये जाने हेतु Dedicated mobile no. 9752415555 स्थापित किया गया है।



❑ महिला संबंधी अपराधों के लिये जागरूकता अभियान :-

महिला संबंधी अपराधों की रोकथाम हेतु हमारे में रेल सुरक्षा बल की 04 महिला वाहिनियों का गठन किया गया है:-

1. अवंती बाई-भोपाल स्टेशन
2. दुर्गावती-जबलपुर स्टेशन
3. पद्मिनी-कोटा स्टेशन
4. पन्ना- सवाईमाधोपुर स्टेशन

❑ महिला संबंधी एवं यात्री अपराधों के संबंध में सूचना दिये जाने हेतु डेडिकेटेड टोल फ्री नं. 1800-233-0044 एवं ऑल इंडिया सिक्युरिटी हेल्पलाइन नं. 182 स्थापित किया गया है।



- महिला रिजर्व कोचों में पुरुषों का यात्रा करना रेल अधिनियम की धारा 162 के तहत दण्डनीय अपराध है जिसमें न्यायालय द्वारा 500/- रुपये का जुर्माना हो सकता है।
- रेलवे गाड़ी या स्टेशन में न्यूसेंस या ड्रग्स करना रेल अधिनियम की धारा 145 के तहत दण्डनीय अपराध है जिसमें न्यायालय द्वारा 06 माह का कारावास या 500/- रुपये के जुर्माने से या दोनों से दण्डित किया जा सकता है।
- महिलाओं से छेड़छाड़ या जोर-जबरदस्ती 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।

- प्रथम महिला बलकर्मियों के सेमिनार का आयोजन:- दिनांक 31.03.16 को मुख्य सुरक्षा आयुक्त द्वारा पश्चिम मध्य रेल के तीनों मण्डलों एवं मुख्यालय में कार्यरत महिला कर्मियों की सक्रिय सहभागिता बनाने व कार्य के दौरान उनकी समस्याओं व सुझावों के संबंध में सेमिनार का आयोजन किया गया।



- अंतर्राष्ट्रीय योग दिवस का आयोजन-प.म.रे. के तीनों मंडलों में अंतर्राष्ट्रीय योग दिवस पर दिनांक 21.06.2016 को पोस्ट/आउट पोस्ट स्तर पर योग कार्यक्रम का सफल आयोजन किया गया।



- परफॉरमर ऑफ द मंथ:- रेलवे बोर्ड-नई दिल्ली के निर्देशन में रेल सुरक्षा बल स्टाफ द्वारा सराहनीय कार्य किये जाने पर उन्हें प्रोत्साहित करने हेतु पोस्ट, मंडल एवं जोन स्तर पर कैश रिवार्ड से सम्मानित किया जा रहा है।
- स्वास्थ्य शिविर का आयोजन:- प.म.रे. के तीनों मंडलों में बल सदस्यों के बेतहत स्वास्थ्य हेतु स्वास्थ्य शिविर का आयोजन किया गया एवं बल सदस्यों को अपने स्वास्थ्य के प्रति जागरूक रहने एवं प्रतिदिन व्यायाम/योग किये जाने हेतु प्रोत्साहित किया जा रहा है।



ख. इनाम एवं प्रशस्ति पत्र

- अखिल भारतीय स्तर पर वर्ष 2015 की “सुरक्षा शील्ड”:- अखिल भारतीय स्तर पर रेलवे बोर्ड द्वारा रेसुब/पमरे-जबलपुर को वर्ष 2015 की “सुरक्षा शील्ड” हेतु चुना गया। दिनांक 16.04.2016 को पमरे-जबलपुर को भुवनेश्वर (उड़ीसा) में आयोजित होने वाले 61st Railway Week National Award Function, 2016 में माननीय रेलमंत्री श्री सुरेश प्रभु जी द्वारा “सुरक्षा शील्ड-2015” प्रदान की गई।



- रेल मंत्री हिंदी निबंध प्रतियोगिता 2015-16:- श्री इंद्रनारायण बघेल, प्रधान आरक्षक, रेसुब/भंडार/ मुख्यालय, जबलपुर को रेल मंत्री निबंध प्रतियोगिता 2015-16 के अंतर्गत “स्वच्छ भारत और मेक इन इंडिया में भारतीय रेल का योगदान” विषय पर अराजपत्रित संवर्ग में द्वितीय पुरस्कार के लिय चुना गया। जिन्हें दिनांक 16.04.2016 को भुवनेश्वर में आयोजित रेल सप्ताह के अवसर पर माननीय रेल मंत्री, भारत सरकार द्वारा पुरस्कार प्रदान किया गया।



- वर्ष 2015-16 के दौरान रेलवे सुरक्षा बल स्टाफ द्वारा किये गये सराहनीय कार्यों के लिये उन्हें इनाम एवं प्रशस्ति पत्र से सम्मानित किया गया, जिसकी समरी निम्नानुसार है:-

पीपीएम	आईपी एम	डीजी/ आरपीएफ इनसाइना	रेल मंत्री पुरस्कार (रेलवे सप्ताह) द्वारा रेलवे बोर्ड	रेलवे सप्ताह पुरस्कार द्वारा महाप्रबंधक/पमरे	महाप्रबंधक/ पमरे द्वारा स्टाफ एवं अधिकारी को पुरस्कार	मु.सु.आ./ रेसुब/पमरे द्वारा स्टाफ एवं अधिकारी को पुरस्कार
-	01	03	02	18	469	99

रेल सुरक्षा बल का आधुनिकीकरण:-

- A. एकीकृत सुरक्षा प्रणाली:-** पमरे के 05 प्रमुख स्टेशनों (जबलपुर, भोपाल, इटारसी, बीना एवं कोटा) में 02 चरणों में एकीकृत सुरक्षा प्रणाली का कार्यान्वयन प्रस्तावित है। रेलवे बोर्ड के अनुसार भोपाल एवं इटारसी स्टेशन को प्रथम चरण एवं जबलपुर, बीना, कोटा स्टेशन द्वितीय चरण में शामिल किया गया है। एकीकृत सुरक्षा प्रणाली के प्रथम चरण में पमरे के भोपाल एवं इटारसी स्टेशन में कार्य प्रक्रियाधीन है। इस प्रोजेक्ट में अनुमानित 3.78 करोड़ रुपये की राशि के खर्च होने का अनुमान है।

भोपाल एवं इटारसी स्टेशन में क्रमशः 82 व 72 CCTV surveillance और 01-01 X-Ray Baggage scanner लगाये जा चुके हैं। भोपाल स्टेशन में 04 व इटारसी स्टेशन में 03 DFMD स्थापित किया जाना है। Access control, BDDS and system integration के अंतर्गत (Portable and Hand Held Vapour Trace detector System, Real Time Viewing System, Water Canon, Blasting Machine, Bomb Basket, Car Remote Opening Tool, Drilling Machine, Disrupter, Hook and Line Kit, Gas Cutter) की खरीद प्रक्रिया, मंडल स्तर पर वरि.मंडल सुरक्षा आयुक्त/रेसुब/भोपाल के माध्यम से करायी जा रही है।

- B. Video Surveillance System (निर्भया फंड):-** रेलवे बोर्ड द्वारा दिये गये निर्देशानुसार पमरे के महत्वपूर्ण स्टेशनों (A-1, A, B and C category में विभाजित कर) में सीसीटीवी कैमरे लगाये जाना है। Video Surveillance System (निर्भया फंड) के अंतर्गत 02 चरणों में निम्नलिखित स्टेशनों में सीसीटीवी कैमरे लगाया जाना प्रस्तावित है:-

स्टेशनों के नाम	चरण
बीना, हबीबगंज, विदिशा, गुना, जबलपुर, कटनी, मैहर, रीवा, सतना, मदनमहल, भरतपुर, सवाईमाधोपुर, कोटा	प्रथम
होशंगाबाद, गंजबसौदा, हरदा, सांची, शिवपुरी, दमोह, पिपरिया, सागर, गाडरवाड़ा, कटनी-मुडवारा, नरसिंहपुर, भवानीमंडी, बूंदी, गंगापुरसिटी, हिण्डौनसिटी, रामगंजमंडी	द्वितीय

आरएसएमएस (RSMS):-

रेलवे में होने वाले अपराधो (जैसे- इमरजेंसी, अपराध, आसूचना एवं अन्य) की जानकारी के त्वरित आदान-प्रदान एवं अनुवर्ती कार्यवाही किये जाने हेतु RPF Security Management System (RSMS) स्थापित किया गया है। जो पमरे के क्षेत्रीय सुरक्षा नियंत्रण कक्ष, तीनों मंडलो सुरक्षा नियंत्रण कक्ष, सीआईवी युनिट एवं मंडल/मुख्यालय में क्रियाशील है।

स्टाफ वेलफेयर:-

Modified Assured Career Progression Scheme (MACPS):-

वर्ष 2015-16 के दौरान रेल सुरक्षा बल के 41 अधिकारी/स्टाफ को एमएसीपी का लाभ प्रदान किया गया।

Railway Surksha Kalyan Nidhi (RSKN) :-

वर्ष 2015-16 के दौरान रेलवे सुरक्षा कल्याण निधि खाते से विपत्ति सहायता, Lump-sum, Ex-gratia, Merit Scholarship, Funeral Expenses मद में 50 रेल सुरक्षा बल स्टाफ को 13,28,700/-रूपये की राशि का भुगतान किया गया।

वर्ष 2015-16 के दौरान अन्य सराहनीय कार्य:-

- 269 लावारिस/बेसहारा बच्चों को उनके परिवार/बाल संरक्षण संस्था को सुपुर्द किया गया।
- भारतीय दंड विधान एवं अन्य अधिनियमों में रेल सुरक्षा बल द्वारा 98 मामले हल करते हुए 109 व्यक्तियों को गिरफ्तार कर अग्रिम कार्यवाही हेतु शासकीय रेल पुलिस/सिटी पुलिस को सुपुर्द किया गया।
- अनाधिकृत रूप से अलार्म चैन पुलिंग करने वाले 5513 व्यक्तियों को गिरफ्तार किया गया।
- अनाधिकृत रूप से खाद्य सामग्री विकृत करने वाले 15,088 व्यक्तियों को गिरफ्तार किया गया।
- रेलवे टिकट की कालाबाजारी करने वाले 45 व्यक्तियों को पकड़कर वैधानिक कार्यवाही की गई।
- रेलवे एरिया में धूम्रपान करने वाले 6672 व्यक्तियों से Tobacco Act के तहत जुर्माना प्राप्त किया गया।

14. संकेत एवं दूरसंचार/SIGNAL& TELECOM

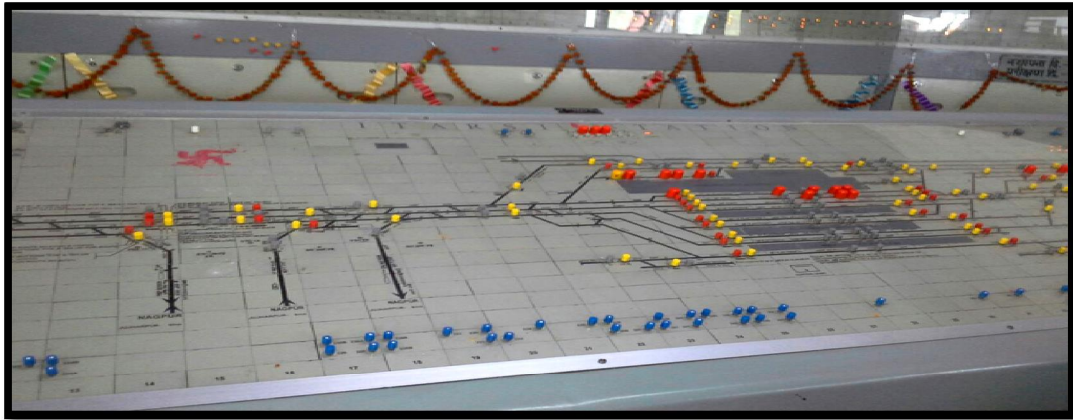
The salient achievements and highlights of performance for the year 2015-16 are as follows:

A) SIGNAL

1. Achievements/Highlights-Pink Book/Joint Works:

1.1 Route Relay Interlocking:

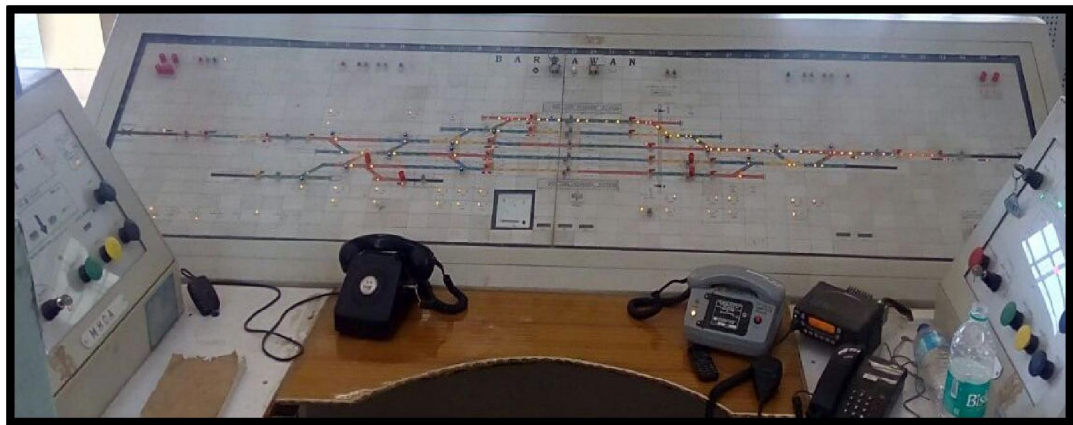
Route relay interlocking commissioned during the year: 01 No.



Operating Panel of Itarsi Route Relay interlocking on Bhopal division commissioned in July 2015

1.2 Panel Interlocking works:

PI Stations commissioned during the year . 10+6*(16) Nos.

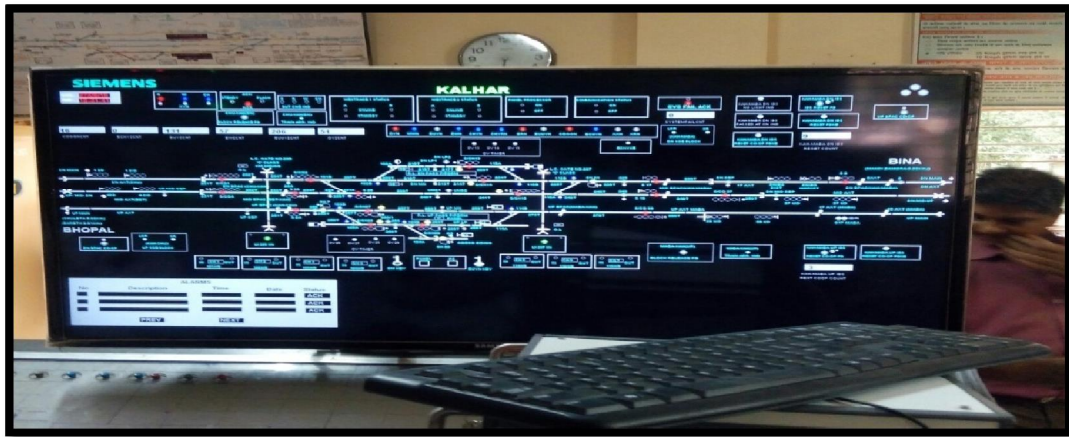


Operating Panel of Panel interlocking commissioned at Bargawan station on Jabalpur division

*Replacement

1.3 Electronic Interlocking works:-

Electronic Interlocking Commissioned during the year - 05 Nos.



VDU of Electronic interlocking. commissioned at Kalhar station on Bhopal division

- 1.4 **Track circuiting phases:**
Track circuit phases commissioned during the year- 34 Nos.
- 1.5 **Shifting of Starter signals to the boundary of track circuit ahead:**
Starter signals have been shifted to the boundary of track circuit ahead during the year - 164 Nos. at 31 stations.
- 1.6 **LED signal aspects:**
LED aspects provided during the year- 1712 Nos.
- 1.7 **Block Proving with Axle counters-**
BPAC commissioned during the year . $18+8*(26)$ Nos.



Block Panel with UFSBI commissioned between Madibamora- Bareilly stations on Bhopal division
*Replacement

- 1.8 **Interlocking of L.C. gates:-**
No of L.C. gates interlocked during the year . 06 Nos.
- 1.9 **Conversion of L.C. gates from mechanical to electrical -**
No. of L.C. gates where the mode of operation has been converted from mechanical to electrical during the year . 02 Nos.
- 1.10 **Intermediate Block Signalling :**
IBS commissioned during the year . 01 No.
- 2.0 **Summarized position of commissioning of works vis a vis targets is as below:**

Works	Unit	Target for Railway 2015-16	Cumulative progress till the end of the year
Route relay Interlocking/ Panel interlocking/ Electronic interlocking	No. of stations	13	22
Track Circuit Locations	No. of phases	26	34
BPAC	No. of B/sec	09	26
L.C. Interlocking	No. of LC gates	04	06
IBS	No. of B/sec	01	01
L.C. Telephone	No. of LC gates	All Manned	11

3.0 New Technologies:

3.1 Systems of Single Section Digital Axle Counters:
Systems of Single section Digital axle counters for BPAC and IBS applications commissioned during the year - 26 Nos.

3.2 Integrated Power supply system:
IPS provided for signaling during the year-19+18*(37) Nos.

4.0 System Improvements (Signal):

4.1 Data Loggers provided during the year . 12+14*(26) Nos.

4.2 LED aspects provided on colour light signals, during the year . 1712 Nos.

4.3 Token less Block instruments provided during the year- 23 Pairs.

4.4 IRS type point machines provided during the year - 241+130*(371)Nos.

4.5 ELDs provided during the year- 52+18 *(70) Nos.

4.6 Glued joints provided during the year.- 436+756*(1192) Nos.

4.7 Gates provided with sliding booms during the year - 40 Nos.

4.8 Solar panels provided for standby power supply in signaling system. 858 Nos.

*Replacement

5.0 Maintenance Efforts to Reduce Failures/Improve Reliability:

(i) Replacement of Old and aged Batteries: 2592 Nos.

(ii) LED aspects provided at old as well as new interlocked stations- 1712 Nos.

(iii) IPS provided for signalling system- 19+18* (37) Nos.

6.0 Efforts to improve safety:

Sections provided with BPAC . 18+8* (26) Nos.

7.0 Asset Management:

Item	Cumulative till current month of the current year (2015-16)	Cumulative till the same period of the last year (2014-15)	% increase/decrease over same period of the last year
Total Signal	5556	6399	13.17 % reduction

8.0 OVERHAULING: THE DETAILS ARE AS UNDER:

Equipment	Total to be over-hauled during the year (including overdue as on 1st April 2016)	Cumulative progress till 31st March 2016
Lever Frames	09	10
Block	54	59
Point	10	94

B) TELECOM

1.0 Passenger Amenities –

1.1 Coach guidance systems: Provided on 05 PFs at 04 stations {2 PFs at 2 stations (replaced) & 03 PFs at 2 stations (New Provided)}



COACH GUIDANCE & TRAIN ARRIVAL / DEPARTURE INFORMATION BOARD AT PF-4/5 AT JABALPUR STATION

- 1.2 Coach at a glance & Train information display 02 Nos. provided.
- 1.3 Train indication Boards: 05 Nos at 03 Stations (Single line 04 Nos. at 2 stations & Multi-lines 01 No. at one station)
- 1.4 Electronic Coach position display system: 03 Nos at 1 Station.
- 1.5 Integrated Passenger Information System with Coach Guidance . 03 stations.



Integrated Passenger Information System at Bundi

- 1.6 Electronic display system for Paperless charting: Total provided . 01 station.



Paperless reservation charting commissioned at Sawaimadhopur station

- 1.7 POET: 04 Nos. provided at 04 stations.
- 1.8 UTS: Provided at 02 stations.
- 1.9 PRS: Provided at 02 locations
- 1.10 Current Berth Availability display (after charting): Provided at 01 station.
- 1.11 Terminal repeater for UTS: Provided 09 Nos. at 03 stations.
- 1.12 JTBS: Provided at 01 Location
- 1.13 PA systems: Provided at 04 stations. (2 Stations PC Based & 02 Stations conventional).
- 1.14 Clocks: 44 Nos. provided (Quartz type - 02 Nos., GPS based . 41 Nos. & LED clock-01).
- 1.15 LED TV: provided 01 No. at 01 station.
- 1.16 Yatri Ticket Suvidha Kendra (YTSK): Provided at 01 Location.

- 1.17 UTS connectivity for ATVM: Provided 05 Nos at 03 stations
- 1.18 Security help line (182): additional provided . 02 Nos. (JBP divisional security control).
- 2.0 System Improvements (Telecom.)**
- 2.1 Satellite Based communication system (VSAT): Provided at ART/KOTA.
- 2.2 Exchanges: Total exchanges newly commissioned / replaced . 03 Nos. (01 New & 02 replaced).
- 2.3 Newly opened stations provided with telecom facilities : 03 stations.
- 2.4 Solar panels: Provided . 13 Nos.
- 2.5 E1 Based Radio link for block circuits: Provided in 01 block section.
- 2.6 Radio link for FOIS: Provided at 01 location.
- 2.7 Voice Logger for monitoring calls on 138 & 182: Provided . 04 Nos in 2 divisions.
- 2.8 Voice Recorder at PRS /UTS windows: Provided at 2 stations
- 2.9 MTWE based Control communication System : Provided in 02 Control section.
- 2.10 RFID Based Emergency Socket Monitoring Units: Provided . 07 Nos.
- 2.11 FOIS/TMS Connectivity: Provided at 05 locations.
- 2.12 PMS Connectivity: Provided at 03 locations.
- 2.13 CMS Connectivity: Provided at 02 locations.
- 2.14 IPAS (Integrated Payroll and Accounting System) connectivity: Provided 150 Nos. new connections.
- 2.15 Protection devices: Provided . 21 (%A+class . 1 No. and %B & C+class . 20Nos).
- 2.16 Railnet / Internet connections through DSLAM: Provided . 27 Nos.
- 2.17 SDH equipments: Provided . 07 Nos.(Replaced . 02 & New -05)
- 2.18 25W VHF sets at stations . Provided at 01 station.
- 2.19 BSNL Telephones at station: Provided at 01 station.
- 2.20 3G Dongles Provided in ARTs: 08 Nos. in ART/ARMVs.
- 2.21 DSLAMs: Provided in 03 exchanges.
- 2.22 SIMs for FCTs: Provided - 42 Nos.
- 2.23 Battery health monitoring system: Provided . 02 Nos.
- 2.24 Maintenance free earths: Provided . 13 Nos.
- 2.25 Cameras for train operation monitoring: Provided 02 Nos. at 1 station.

3.0 Revenue Generation Efforts:

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
2002-03to 2014-15	183channels + 5 NEL	-	₹1,91,90777
2015-16	06 channel	₹3,11,882	₹1,95,02659

4.0 Telephones at L.C. Gates:

Total No. of newly manned LC gates provided with telephone: 11

5.0. Progress of OFC and Quad cable Works: Summary-

S. No	Type of cable	Target 2015-16	Section	Achieved during 2015-16 RKM (Commissioning)
1	OFC	30	OFC -Guna - Gwalior	15
	Quad cable	225 kms	Sawaimadhopur . Kota	94.35
			SWM . Mathura	19.536
			Itarsi - Manikpur	33.2
			Lalitpur . Singrauli	5
			Kota . Shamgarh	34.76
			Shamgarh - Nagda	44.57
			Habaibganj-ITARSI	5
			TOTAL	236.416
Grand Total OFC &Quad cable				251.416

15. भंडार/ STORES

1.0 Organization of Stores Department:

- 1.1 HQ office: Head Quarters office is situated at Jabalpur and is headed by Controller of Stores (COS). COS is assisted by two Chief Material Managers (CMMs), Seven Dy.Chief Materials Managers (Dy.CMMs) and other Sr.Scale & Jr.Scale officers. All purchases and related activities, Stores budget & budgetary expenditure, inventory control, auction sale policy matters, related statistical compilation and correspondences with Railway Board on all policy matters are being done at HQ office.
- 1.2 Stocking Depots: The Stores Depots are ensuring provisioning, warehousing and timely supply of Stores to various consignees of open line, workshops, sheds & construction organization. There are nine Stores depots on WCR, attached to Electrical loco shed, Diesel loco sheds, workshops, ROH shed and General Stores depot functioning independently.
- 1.3 Divisional Organization: Divisional Stores organizations are also functioning in all three Divisions manned by Sr.DMMs for effective liaisoning amongst HQ, B.O.s of the Divisions and various field consignees. They are arranging stores through local purchase both stock and non stock items upto Rs. 15 lakhs. In addition to this, they are also ensuring timely supply of consumables, Books & forms and uniforms to users of the Divisions.
- 1.4 Printing press: No printing press is available on WCR and therefore, part printing work is outsourced and remaining is being done through Central Railway printing press Byculia, Mumbai.
- 1.5 Stores transaction: Details of Stores balance for Normal Maintenance and Operation with fuel as well as works.

(Figures are in Crores)

Details	Normal Maintenance & Operation		Works		Total	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
Opening Balance at the beginning of Year:						
(a) Physical Balance without adjustment	158.12	149.61	-	-	158.12	149.61
(b) Adjustment	-21.39	-37.43	-	-	-21.39	-37.43
(c) Total balance as per appropriation account under 7160	136.73	112.18	-	-	136.73	112.18
(d) Book keeping adjustment relating to 7171-7190	9.78	6.39	-	-	9.78	6.39
(e) Total Balance under capital 7100	146.51	118.57	-	-	146.51	118.57
Receipts during the year:	1177.27	61.78	-	-	1177.27	61.78
Issue during the year:	1205.21	60.08	-	-	1205.21	60.08
Closing Balance at the end of the year 31.03.2016:						
(a) Physical Balance without adjustment	149.61	120.20	-	-	149.61	120.20
(b) Adjustment	-37.43	10.97	-	-	-37.43	10.97
(c) Total balance appropriation A/c 7160	112.18	131.17	-	-	112.18	131.17
(d) Book keeping adjustment capital 7171-7190	6.39	4.40	-	-	6.39	4.40
Total Balance under (7100)	118.57	135.58	-	-	118.57	135.58

- 2.0 **Computerization in the department:**
- 2.1 **MMIS (Material Management Information System):** The MMIS IT applications was commissioned on WCR in year 2005 duly customized after implementation on C.Rly. The MMIS is developed with oracle 8i database and front end is D2K (developer 2000). The following integrated modules are working:
- (i) *Purchase Module:*
- Demand generation
 - Purchase proposal
 - Tendering
 - Acceptance of offer
 - Issue of Draft PO & regular PO
 - All types of amendments
 - Cancellation of PO
 - FRPS (Firms registration etc)
 - Stocking sanction of new PLs
- (ii) *Depot Module:*
- Receipt of material.
 - Inspection & acceptance of material
 - Preparation of RO
 - Issue of material
 - Local purchase
- (iii) *Sales Module:*
- Receipt of scrap & its accountal
 - Lot formation & Survey
 - Preparation of catalogue
 - Preparation of RP statement
 - Preparation of Bid sheet
 - Generating payment advices
 - Preparation of Delivery order
 - Issue of scrap
 - Preparation of Completion report
- (v) *Stores Accounts (Finance) Module:*
- Passing of Stores Bill
 - Cheque generation
 - Pre-check of PO
 - Maintaining Books
 - Monitoring of Purchase Suspense
 - Monitoring of Sales Suspense
 - Monitoring of Fuel Suspense
 - Monitoring of other Suspense
 - Stores Budget
 - HSD oil (Fuel) bill passing
 - Activities of PL Units
- 2.2 **e-Procurement system:** The e-procurement system has been fully implemented on WCR through CRIS server but having data integration through roxy server. The following works are being done through this system:
- NIT creation through MMIS interface and uploading tenders for publishing
 - Receiving offers electronically & opening.
 - Mapping of MMIS registered vendor master with eps with related trade group.
 - Downloading the bid data from IREPS and updating the database of MMIS.
 - Reverse auction has been successfully implemented.
- 2.3 **e-auctions:** e-Auction for scrap sale has been successfully implemented at CRWS/BPL, WRS/Kota and all the Divisions i.e. JBP, BPL & KTT. The scrap sale activities are being done

through e-auction. This application is working on centralised data base and server is hosted at CRIS, New Delhi.

- 2.4 DGS&D website: The purchase orders against DGS&D rate contract are being issued through DGS&D portal having data migration in MMIS also.

3.0 **Purchase Management:**

- 3.1 Value of Railway equipment and Stores ordered for the year 2015-16 (01.04.2015 to 31.03.2016).

(Figure in Crores of ₹)

Year	Value of equipment and stores ordered through Deptt. Of supply	Value of equipment and stores ordered through other agencies	Total value of equipment & stores ordered (Col 3+4)	Value of equipment	
				Imported stores purchased in India	Indigenous, manufactured
1	2	3	4	5	6
2015-16	89.09	865.19	954.28	0	954.28

- 3.2 Purchase made during the year 2015-16.

Year	Material imported directly	Material imported through Agents in India	Total of (2) + (3)	Indigenous Purchase	Total indigenous and imported	Purchase indigenous (%)
1	2	3	4	5	6	7
2015-16	0	0	0	954.28	954.28	100%

- 3.3 No. of orders placed during the year 2015-16

Year	Requisition on Railways	Covered through P.O.	No. of P.O.s issued		No. of cases where cash purchase made		Total no. of indents on DGS&D & Central Purchase Agencies.	
	No.	Item	No.	Item	No.	Item	No.	Item
2015-16	9981	2963	3841	2963	-	-	17	17

- 3.4 Purchases from Cottage and Small Scale Industries during 2015-16: ₹98.79 crores.

- 3.5 Purchase of Khadi items during 2015-16: ₹0.1 Crore.

- 3.6 Statement of foreign Exchange released and utilized: -

- 3.6.1 The total amount of Foreign Exchange released by Railway Board and FA&CAO/GM/WC Rly during the year 2015-16.

Year	Foreign Exchange released by Railway Board				Foreign Exchange released by FA & CAO/GM/WCR			
	For DSL Spares	For Elect. Spares	For other items	Total	For DSL Spares	For Elect. Spares	For other items	G. Total
2015-16	0	0	0	0	0	0	0	0

- 3.6.2 Foreign Exchange released by Railway Board against different fund during 2015-16:

Out of India Loan Fund	Out of US Project Loan Fund	Out of free resources	Out of CM-1022 commodity Credit	Out of Vikkyan Plan agreement	Out of Ind. Polish agreement	Out of E/Ex. Allocation made to DTC Ltd.	Total Calls
0	0	0	0	0	0	0	0

4.0 **Supply of uniforms during the year 2015-16.**

Summer		Winter	
No. of Garments	2015-16	No. of Garments	2015-16
Demanded	154906	Demanded	71207
Supplied	153732	Supplied	50272
Compliance	99.24%	Compliance	70.59%

5.0 **Inventory Management**

5.1 **Stores Depot Receipt and Transaction Statistics for the year 2015-16:**

Depot	Expenditure of officers and staff engaged in receipt and inspection work (₹in lakhs)	No. of staff for clerical and supervision work	Approximate net value of stores handled (₹in lakhs)	Cost of receipt, inspection for every ₹100/- worth of Stores	Receipt notes granted per clerk per month
WRS/KOTA	26.00	05	11903	0.22	96
CRWS/BPL	55.99	08	17809.37	0.31	28
Box-N/NKJ	20.50	01	2057	0.97	26
Diesel/NKJ	26.97	04	1962	1.37	21
Diesel/ET	25.94	4	77.24	0.029	92
ELS/NKJ	0.07	02	9.93	0.070	150
ELS/ET	31.29	04	17.37	1.80	19
ELS/TKD	34.31	6	3010.56	1.139	13.59
GSD/BPL	47.53	07	4134	02.10	-

5.2 **Details of deficiencies revealed by Accounts & Departmental Stock Verification Percentage of item verified with discrepancies for 2015-16.**

Depot	Percentage of item Verified with No Discrepancies	Upto limit of ₹50/-	Upto limit of ₹1000/-	Above the limit of ₹1000/-
WRS/KOTA	100%	-	-	-
CRWS/BPL	100%	Nil	Nil	Nil
Box-N/NKJ	100%	Nil	Nil	Nil
Diesel/NKJ	100%	Nil	Nil	Nil
Diesel/ET	100%	Nil	Nil	Nil
ELS/NKJ	100%	Nil	Nil	Nil
ELS/ET	99.57%	Nil	02	Nil
ELS/TKD	100%	Nil	Nil	Nil
GSD/BPL	-	-	-	-

5.3 **Loss and Gain brought in light as a result of Departmental & Accounts verification for 2015-16**

Depot	Loss ₹	Gain ₹	Net Gain ₹	Net Loss ₹
WRS/KOTA	Nil	Nil	Nil	Nil
CRWS/BPL	Nil	Nil	Nil	Nil
Box-N/NKJ	Nil	Nil	Nil	Nil
Diesel/NKJ	Nil	Nil	Nil	Nil
Diesel/ET	Nil	Nil	Nil	Nil
ELS/NKJ	Nil	Nil	Nil	Nil
ELS/ET	Nil	Nil	Nil	Nil
ELS/TKD	Nil	Nil	Nil	Nil
GSD/BPL	-	-	-	-

5.4 Unit cost of issues: (Figure in Crores of ₹)

Depot	Value of Stores issued during the year	Pay & Allowances of Depot Staff	Cost in ₹ For making issues worth ₹100/-
WRS/KOTA	115.14	6.50	5.64
CRWS/BPL	186.93	3.69	0.20
Box-N/NKJ	27.71	0.68	2.99
Diesel/NKJ	20.99	1.57	0.65
Diesel/ET	33.37	1.13	3.38
ELS/NKJ	11.15	0.32	2.87
ELS/ET	17.89	0.16	0.91
ELS/TKD	24.02	0.29	1.20
GSD/BPL	21.60	1.24	1.724

5.5 Transactions: Issue & receipt of the depot

Depot	Total Transactions i.e. No. of posting during the year 2015-16 Receipt & Issue		No. of average transaction per month Receipt & issues		No. of Class III Staff involved	Average No. of transactions per month/person
	Receipts	Issues	Receipts	Issues		
WRS/KOTA	3776	14007	315	1167	12	124
CRWS/BPL	4887	16567	407	1380	21	85
Box-N/NKJ	361	2826	30	236	02	133
Diesel/NKJ	1427	6999	118	583	09	77.88
Diesel/ET	2085	8084	174.75	673.66	06	1694.83
ELS/NKJ	5031	7142	419	595	10	101
ELS/ET	1270	6707	106	559	05	132
ELS/TKD	2190	9500	182.50	791.66	12	81.18
GSD/BPL	541	5794	45.08	482.84	07	75.42

5.6 Availability of items as on 31.03.2016:

Depot	Purchase Items			Shop Manufactured items		
	Total No. of items stocked	No. of items in stock	% availability	Total No. of items stocked	No. of items in stock	%
WRS/KOTA	799	792	99.00	Nil	Nil	Nil
CRWS/BPL	753	742	98.53	73	73	100
Box-N/NKJ	320	313	98.00	Nil	Nil	Nil
Diesel/NKJ	1234	1206	98.00	Nil	Nil	Nil
Diesel/ET	1370	1344	98.10	58	56	96.55
ELS/NKJ	792	781	99.00	-	-	-
ELS/ET	936	894	95.50	-	-	-
ELS/TKD	1086	1061	98.00	-	-	-
GSD/BPL	612	591	96.56	-	-	-

5.7 Overstock and Surplus Stores: The position in respect of Overstock and surplus Stores during 2015-16 as under: (Figure in Crores of ₹)

As on	Overstock		Surplus	
	Item	Value	Item	Value
31.03.2015	1239	52.1636	449	2.1673
31.06.2015	1467	78.5408	510	2.8259
30.09.2015	1516	85.0988	536	3.1709
31.12.2015	1399	94.1439	535	2.4047
31.03.2016	1348	51.1692	458	2.2760

5.8 Losses due to theft, misappropriation and fire etc:

Year	Loss due to theft and Misappropriate etc.		Loss due to fire		Remarks
	No. of cases	Value (in ₹)	No. of cases	Value involved	
2015-16	Nil	Nil	Nil	Nil	-

6.0 **Scrap Disposal:**

6.1 Overall Performance of Scrap disposal

(Figure in Crores of ₹)

Category	O.B as on 01.04.2015		Receipt during the year 2015-16		Disposal for Railway use		Disposal to others		Closing balance as on 31.03.2016	
	Qty. (MT)	Value	Qty. (MT)	Value	Qty. (MT)	Value	Qty. (MT)	Value	Qty. (MT)	Value
Rail	56	0.11	41295	83.91	0	0	41099	83.52	252	0.51
P.Way	613	1.13	8963	16.57	0	0	9510	17.58	67	0.12
Ferrous Scrap	571	1.25	26702	58.39	0	0	26884	58.79	390	0.85
Other than P. Way										
Non-ferrous	30	0.42	315	4.44	0	0	329	4.64	16	0.22
Misc & Scrap	201	0.40	3126	6.17	0	0	3286	6.48	42	0.08

6.2 Disposal of Rolling Stock

Category	Opening balance as on 01.04.2015	Receipt during the year	Disposal during the year	Value in crores	Closing as on 31.03.2016
Coaches	25	119	144	2.46	0
Wagons	0	61	61	1.39	0
Locomotives	0	39	39	3.03	0
Boilers etc.	0	0	0	0	0

7.0 **Stores Performance indices:**

SNo.	Items	Target 15-16	Achievements
1	Scrap Disposal	₹185 Crores	₹177.89 Crores
2	Purchase items out of stock	95%	97.80%
3	Workshop manufactured items out of stock	95%	98.47%
4	Turnover ratio	14%	15%
5	Safety items out of stock	100%	99.37
6	Tender cases decided within the original validity	100%	100%

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 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	02
4	Asstt. Vigilance Officer	02
5	PS to SDGM	01
TOTAL		09

Non-Gazetted staff:

Sr. No.	Designation	No. of posts
1	Vigilance Inspectors	20
3	Ministerial staff including Stenos	13
4	Group D staff	05
TOTAL		38

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	00
3	Chief Enquiry Inspectors	02
TOTAL		03

3. INVESTIGATIONS INTO COMPLAINTS

Total number of complaints received and investigated by the vigilance branch during the year i.e. 2015 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	474
		Gaz.	147
2	Complaints investigated	NG	66
		Gaz.	06
3	Major penalty proceedings	NG	06
		Gaz.	05
4	Minor penalty proceedings	NG	11
		Gaz.	02

4. PREVENTIVE CHECKS

Sr. No.	Description	Nos.
1	Number of preventive check conducted (in Nos.)	1031
2	Amount raised/realized towards railway dues i.e. mass contact area, parcel and establishment matters (in ₹)	₹ 57,78,567/-
3	Number of Major penalty proceedings arising there from (number of staff)	28
4	Number of Minor penalty proceedings arising there from (number of staff)	85

5. STATISTICAL INFORMATION

Sr. No.	Description	Non-Gaz.		Gaz.	
		Major	Minor	Major	Minor
1	No. of DAR cases brought forward from previous year	74	34	17	6
2	No. of fresh cases arose during the year	33	93	6	5
3	No. of cases finalized during the year	50	110	6	8
4	No. of cases outstanding at the end of the year	57	17	17	3

6. PUNISHMENTS

Sr. No.	Description	Non-Gaz.		Gaz.	
		Major	Minor	Major	Minor
1	Dismissal	-	-	-	-
2	Removals	01	-	-	-
3	Compulsory retirements	05	-	-	-
4	Reduction in rank/pay	34	03	03	-
5	Cut in pension	02	01	01	-
6	Recovery from pay	-	-	-	-
7	Withholding of increments	04	46	-	-
8	Withholding of promotions	-	-	-	-
9	Censure/Warning	01	17	-	07
10	Others (Stoppage of Pass/PTO etc.)	01	38	-	01
11	No action	02	04	01	-
	Total	50	110	05	08

7. TRAFFIC UNDER CHARGES RAISED IN GOODS

By continuous efforts for blocking the leakage of Railway revenue, an amount of ₹ **1,39,59,369/-** (Rupees One crore thirty nine lakhs fifty nine thousand three hundred and sixty nine only) has also been realized by checking of over loading in **31 goods rakes 8 SLRs and 1 AGC at various Railway station over the Railway** for the period from April, 2015 to March, 2016.

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, 2015 to December, 2015 is ₹ **37 lakh** (Rupees thirty seven lakh only).

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

April 2015

1. On the basis of a Source information, a preventive check was conducted in Electronic in-motion weigh bridge on 29.03.2015 at KOTA yard of - KOTA division, during which one rake booked for MCTS to ARIK was found with 40.38 ton overloaded. Accordingly an amount of ₹ **1,55,958/-** was realized as punitive charge.
2. On the basis of a Source information, a preventive check was conducted in Electronic in-motion weigh bridge on 04.04.2015 at KOTA yard of - KOTA division, during which one rake booked for MCTS to ARIK was found with 41.40 ton overloaded. Accordingly an amount of ₹ **2,08,488/-** was realized as punitive charge.

May 2015

1. On the basis of source information a preventive check was conducted on 14.05.2015 in a goods rake booked from MCTS to Raxaul which was subjected to reweighment at Kota yard of Kota division. During the check excess load of 58.81 tonnes was detected. Accordingly a punitive charge of ₹ **1,70,655/-** was raised and realized.
2. On the basis of source information a preventive check was conducted on 20.05.2015 at Goods shed at Kota Railway station of Kota division, during which it was detected that the unloaded/overloaded clinker on bypass line no. 03 and 04 was not removed by the party even after complete removal memo was deposited by the party to the Goods Clerk. Accordingly an amount of ₹ **1,80,000/-** was realised as wharfage charges.
3. On the basis of a Source information, a preventive check was conducted on 20.05.2015 in train no. 13202 at Jabalpur station of Jabalpur division during which weighment of VPU was found excess by 8362 Kg, accordingly, ₹ **3,78,955/-** was realised as under charges from the lease holder.

June 2015

1. On the basis of a source information, a **Decoy check** was conducted at Hinauta Ramban station of Jabalpur division on 08.06.2015 during which Shri Gomti Prasad Key-men unit no.16/HNM was caught after demanding illegal gratification and accepting ₹ **2,000/-** from his Trackman Sh.Ramcharit, for allowing him as idle (not doing the track work) free from unit working and provide all benefits without taking any leave. Major penalty charge sheet has been issued by DA to the CO. Enquiry proceeding is under process.
2. The special drive during the “**Railyatri/Upphokta Pakhwada**” as desired vide Railway Board's letter no. 2015/VSS/GL/6/Inter railway checks dated 11.05.2015, has been conducted from 26.05.2015 to 09.06.2015 covering all the major stations on WCR.

July 2015

1. On the basis of source information a preventive check was conducted on 07.07.2015 at Electronic-in motion Weigh Bridge at Satna Railway station of Jabalpur division, during which it was detected that 58 BOXNL was 98.18 tons overloaded with clinker. Accordingly an amount of ₹ **4,57,598/-** was realised as punitive charges along with ₹ **2,08,800/-** for rake detention charges.
2. On the basis of source information a preventive check was conducted on 23.07.2015 at Goods shed Kota Railway station of Kota division, during which it was detected that one BCN rake of TCR was overloaded with 7.96 ton in 04 wagons accordingly an amount of ₹ **73,062/-** was realised as punitive charges.
3. On the basis of source information a preventive check was conducted on 08.07.2015 at Goods shed of Kota Railway station of Kota division, during which it was detected that ARIK rake was overloaded with 12.53 ton accordingly an amount of ₹ **33,078/-** realised as punitive charges.

August 2015

1. On the basis of a source information, a preventive check was conducted in Train No. 11015 on 04.08.2014 in Itarsi-Bhopal section of Bhopal division, during which 02 unauthorised vendors working in pantry car were found having no Identity card & medical card and were found over charging the passengers for food items. Accordingly, a penalty of ₹ **5,180/-** was realized against the licence holder on the spot. The case has been transferred to NR on 09.10.2014.
2. On the basis of a complaint, a **Decoy check** was conducted in the office of SSE (P. Way)/ Salaiya of Jabalpur division on 13.08.2015 during which Shri Anand Agarwal, OS working under SSE (P. Way)/ Salaiya caught for demanding and accepting ₹ **500/-** from the decoy person for verifying and forwarding his ECC bank loan application. Major penalty i. e. reduction to initial recruitment post with initial grade is imposed for a period of 03 years with cumulative effect by the DA against the CO. The case will be put up after lapse of appeal period of 45 days.
3. On the basis of source information a preventive check was conducted on 12.08.2015 at Electronic-in motion weigh bridge at Kota Railway station of Kota division, during which it was detected that rake was 21.6 tons overloaded with cement. Accordingly an amount of ₹ **74,581/-** was realised as punitive charges.
4. On the basis of source information a preventive check was conducted on 13.08.2015 at Electronic-in motion weigh bridge at Kota Railway station of Kota division, during which it was

detected that rake was 31.66 tons overloaded with cement. Accordingly an amount of ₹ **59,641/-** was realised as punitive charges.

5. On source information a preventive check conducted on 30.07.15 at Satna yard and found Clinker of RCPB siding lying at Satna yard which was unloaded from overloaded rake but not removed from yard up to 336 hrs. Accordingly an amount of ₹ **9,11,541/-** was imposed as wharfage on RCPB siding.
6. On the basis of a source information, a preventive check was conducted at Goods Shed KEQ on 04.08.2015. During the check an amount of ₹ **1,200/-** was found as unclaimed amount in the office. It was also detected that 05 BCN Wagons were under wharfage and 13 BCN wagons under demurrage. Accordingly a sum of ₹ **37,640/-** was realized as wharfage and demurrage after check.
7. On the basis of source information a preventive check was conducted on 24.08.2015 at Goods Shed, Sagour Railway Station of Jabalpur division, during which it was found that CGS has not maintained wharfage record per wagon per day. Accordingly, an amount of ₹ **78,307/-** was recovered as wharfage charges.
8. On the basis of a source information, a preventive check was conducted in AGC of front SLR no. CR-91722 of train no. 12138 between BPL-ET section of Bhopal division on 29.07.2015, articles weighing 2.05 ton parcels were found loaded in the SLR against 1 ton permitted. As such, 1.05 ton weight was found excess loaded. Accordingly, ₹ **77,605/-** was realised as under charges from the lease holder.
9. On source information a preventive Check was conducted on 06.08.2015 in train No. 29020 at KOTA station. During which it was detected that lease holder has sent 354 Kg excess articles in the SLR. Accordingly an amount of ₹ **19,212/-** was realized as under charges.
10. On source information a preventive check conducted on 30.07.15 in pantry car of train 12142 ex- Satna to Jabalpur of Jabalpur division, during which it was detected that 23 vendors were travelling without travelling authority and without payment of license fee. Accordingly an amount of ₹ **72,930/-** was levied as penalty. The case is being transferred to concerned Railway.
11. On the basis of source information a preventive check was conducted in train No. 12854 between BPL-HBD section of Bhopal division on 18.08.2015, during which it was detected that 26 unauthorised passenger were travelling without tickets. Accordingly, an amount of ₹ **7,860/-** was recovered from them.

September 2015

1. On source information a preventive check conducted on 24.08.15 at Kota yard and found a goods rake booked from MCTS to SSB overloaded with 49.14 tons. Accordingly an amount of ₹ **5,01,535/-** was realized as punitive charge.
2. On source information a preventive check conducted on 11.09.15 at Kota yard and found a goods rake booked from MCTS to ARIK overloaded with 123.24 tons. Accordingly an amount of ₹ **5,05,986/-** was realized as punitive charge.

October 2015

1. On source information a preventive check conducted on 16/17.10.15 at Sawaimadhopur yard of KOTA division and found a goods rake booked from MCTS to ARIK overloaded with 5.12 tons. Accordingly an amount of ₹ **15,040/-** was realized as punitive charge.

2. On the basis of a source information, a preventive check was conducted in SLR of train No. 12926 at parcel office of Kota Railway Station of Kota division on 07/08.10.2015, articles weighing 5279 Kg. were found loaded in the SLR against 4000 Kg. permitted. As such, 1279 Kg. weight was found excess loaded. Accordingly, ₹ 74,391/- was realised as under charges from the lease holder.
3. On the basis of a source information, a preventive check was conducted in SLR of train No. 11471 at Jabalpur Railway Station of Jabalpur division on 10.10.2015, articles weighing 4399 Kg. were found loaded in the SLR against 4000 Kg. permitted. As such, 399 Kg. weight was found excess loaded. Accordingly, ₹ 17,081/- was realised as under charges from the lease holder.

November 2015

1. On source information a preventive check was conducted on 03.11.15 at Kota yard and found a goods rake booked from SFCD to SGNR overloaded with 46.02 tons. Accordingly an amount of ₹ 2,15,239/- was realized as punitive charge.
2. On source information a preventive check was conducted on 05.11.15 at MEGN yard and found a 42 BCN cement goods rake booked from JQSG Keymore to SGO overloaded with 39.20 tons. Accordingly an amount of ₹ 1,44,000/- was realized as punitive charge.
3. On the basis of source information a preventive check was conducted on 30.10.2015 at Chief Goods Supervisors office of NU Railway Station of Jabalpur division, during which it was found that on duty Chief Goods Supervisor had issued completion memo at 12-35 hours even though loading of the rake was going on up to 15-00 hours. Accordingly, ₹ 76,900/- was collected as demurrage charges.
4. On the basis of source information a preventive check was conducted on 06.11.2015 at Electronic-in motion weigh bridge at HNM Railway station of Jabalpur division, during which it was detected that rake was 1.2 tons overloaded with cement. Accordingly an amount of ₹ 19,328/- was realised as punitive charges.
5. On the basis of source information, a preventive check conducted on 13.11.2015 at Electronic-in motion weighbridge at Damoh Railway station of Jabalpur division, during which 11.5 tons of Clinker was detected overloaded and an amount of ₹ 54,560/- was realised as punitive charges.
6. On the basis of source information, a preventive check conducted on 02.11.2015 at Goods shed office of Kachhpura Railway Station of Jabalpur division, during which it was found that wharfage charges per wagon per hour was not being recorded, accordingly an amount of, ₹ 36,900/- was collected as wharfage charges.

December 2015

1. On source information a preventive check was conducted on 06.12.15 at Kota station and found a goods rake booked from Bundi to TUP overloaded with 14.0 tons. Accordingly an amount of ₹ 67,760/- was realized as punitive charge.
2. On the basis of a source information, a preventive check was conducted in SLR of train No. 12963 at Kota Railway Station of Kota division on 11.12.2015, articles weighing 5025 Kg. were found loaded in the SLR against 4000 Kg. permitted. As such, 1025 Kg. weight was found excess loaded. Accordingly, ₹ 34,632/- was realised as under charges from the lease holder.
3. Observing the drop in sale of tickets a special drive was launch in all the 3 divisions i.e. BPL, JBP & Kota regarding the issue of fake ticket/MST, recirculation of ticket/MST, during the drive

no such irregularities were noticed, however an amount of ₹ 54,510/- was realised from irregular and without ticket passengers.

January 2016

1. On source information a preventive check was conducted on 08/09.01.16 at Goods shed of Kota station and found a goods rake booked from MCTS to ARIK overloaded with 13.9 tons in two wagons. Accordingly an amount of ₹ 37,967/- was realized as punitive charge.
2. On source information a preventive check was conducted on 10.01.16 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 17.60 tons. Accordingly an amount of ₹ 46,366/- was realized as punitive charge.
3. On source information a preventive check was conducted on 12.01.16 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 8.40 tons in 59 BOXN wagons. Accordingly an amount of ₹ 10,898/- was realized as punitive charge.
4. On the basis of a source information, a preventive check was conducted on 07.01.2016 PRS/Jabalpur station of Jabalpur division, during which a tout was caught holding 10 tickets valuing ₹ 13,330/- in the name of different passengers. The tout was run away.

February 2016

1. On source information a preventive check was conducted on 13.02.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 11.2 tons. Accordingly an amount of ₹ 14,936/- was realized as punitive charge.
2. On source information a preventive check was conducted on 16.02.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 31.4 tons in 41 BOXN wagons. Accordingly an amount of ₹ 94,532/- was realized as punitive charge.
3. On source information a preventive check was conducted on 18.02.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 33.3 tons. Accordingly an amount of ₹ 1,11,196/- was realized as punitive charge.
4. On source information a preventive check was conducted on 17.02.2016 at NKJ yard of Jabalpur division and found a goods rake booked from KHBK to BSPC (LSST) overloaded with 125 tons. Accordingly an amount of ₹ 5,32,054/- was levied as punitive charge.

March 2016

1. On source information a preventive check was conducted on 26.02.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 9.50 tons. Accordingly an amount of ₹ 13,486/- was realized as punitive charge.
2. On source information a preventive check was conducted on 06.03.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 47 tons. Accordingly an amount of ₹ 1,85,866/- was realized as punitive charge.
3. On source information a preventive check was conducted on 07.03.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 95.80 tons. Accordingly an amount of ₹ 4,73,153/- was realized as punitive charge.
4. On source information a preventive check was conducted on 10.03.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 11.20 tons. Accordingly an amount of ₹ 16,749/- was realized as punitive charge.

5. On source information a preventive check was conducted on 13.03.2016 at Swaimadhopur yard of Kota division and found a goods rake booked from LKES to ACCG overloaded with 8.20 tons. Accordingly an amount of ₹ **11,745/-** was realized as punitive charge.
6. On source information a preventive check was conducted on 15.03.2016 at Itarsi yard of Bhopal division and found a goods rake booked from VSPS to FDB overloaded with 21.26 tons. Accordingly an amount of ₹ **1,32,700/-** was levied as punitive charge.

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 11 camps/seminar as detailed below have been organised during the period apart from 5 seminars organised during the Vigilance Awareness Week. Details are as under:

April 2015: One Vigilance camp/ seminar of 2 days at **Swaimadhopur Railway Station** of Kota division on 16th & 17th April, 2015 has been organized during the month.

	
<p>A scene of seminar during Vigilance Camp at SWM on 16th & 17th April, 2015.</p>	<p>A scene of seminar during Vigilance Camp at SWM on 16th & 17th April, 2015.</p>
	
<p>A scene of seminar during Vigilance Camp at PPI on 20th & 21st May, 2015.</p>	<p>A scene of seminar during Vigilance Camp at PPI on 20th & 21st May, 2015.</p>

May 2015:

One Vigilance camp/ seminar of 2 days at **Pipariya Railway Station** of Jabalpur division on 20th & 21th May, 2015 has been organized during the month.

June 2015:

One Vigilance camp/ seminar of 2 days at **Satna Railway Station** of Jabalpur division on 18th & 19th June, 2015 has been organized during the month.

	
<p>A scene of seminar during Vigilance Camp at STA on 18th & 19th June, 2015.</p>	<p>A scene of seminar during Vigilance Camp at STA on 18th & 19th June, 2015.</p>
	
<p>A scene of seminar during Vigilance Camp at SGO on 21st & 22nd July, 2015.</p>	<p>A scene of seminar during Vigilance Camp at SGO on 21st & 22nd July, 2015.</p>
	
<p>A scene of seminar during Vigilance Camp at BRRG on 13th & 14th August, 2015.</p>	<p>A scene of seminar during Vigilance Camp at BRRG on 13th & 14th August,</p>

July 2015:

One Vigilance camp/ seminar of 2 days at **Saugor Railway Station** of Jabalpur division on 21st & 22nd July, 2015 has been organized during the month.

August 2015:

One Vigilance camp/ seminar of 2 days at **Biyavra Rajgarh Railway Station** of Bhopal division on 13th & 14th August, 2015 has been organized during the month.

September 2015:

One Vigilance camp/ seminar of 2 days at **Vidisha Railway Station** of Bhopal division on 15th & 16th September, 2015 during the month.

October - November 2015:

The Vigilance Awareness Week has been celebrated on this railway from 26.10.2015 to 31.10.2015. 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 26.10.2015. During the Vigilance Awareness Week, the Seminars were organized by Vigilance deptt. in the HQ on 26.10.2015, in Vigilance branch on 27.10.2015, in Kota divn. on 28.10.2015, in Bhopal divn. on 29.10.2015 and in Jabalpur divn. on 30.10.2015. During the seminar in HQ on 26.10.2015, a Vigilance Bulletin for the period from January, 2015 to June, 2015 was also released by the General Manager. SDGM gave a keynote address covering all the aspects on corruption and the theme of 'Preventive Vigilance as a tool of Good Governance'. Addresses were also given by distinguished speakers from different departments highlighting the reasons of corruption and ways and means to tackle the same. During these seminars, keeping in view the theme of this year as advised by CVC, elocution and debate competitions were organized at different schools at Kota where interactive session with students was also held by SDGM to instil vigilance awareness amongst the students and they were advised how to combat corruption. A power Point presentation was also given by Vigilance Branch in HQ and in all the three divisions on the theme of the Vigilance Awareness Week and important system improvements and case studies was also discussed. Skits were also staged in the Divisions on the evils of corruption and its eradication. Essay/debate competitions were organised in all the three divisions as well as WRS/KOTA & CRWS/BHOPAL. Eye catching banners were also displayed at major stations and important places to educate the people against corruption. During the seminar in headquarters office on 26.10.2015 General Manager has announced an award of ₹ 10,000/- in appreciation of good work done by Vigilance Branch on observing Vigilance Awareness Week.



A scene of Seminar during Vigilance Awareness Week at HQ on 26th October 2015.



Scene of Seminar during Vigilance Awareness Week at HQ on 26th October 2015.



Scene of releasing the Vigilance Bulletin during Vigilance Awareness Week at HQ on 26th October 2015.



A scene of seminar during Vigilance Awareness Week at Kota on 28th October 2015.



A scene of seminar during Vigilance Awareness Week at Kota on 28th October 2015.



A scene of seminar in school/college during Vigilance Awareness Week at Kota on 28th October 2015.



A scene of prize distribution in school/college during Vigilance Awareness Week at Kota on 28th October 2015.



A scene of seminar during Vigilance Awareness Week at BPL Divn. on 29th October 2015.



A scene of seminar during Vigilance Awareness Week at BPL Divn. on 29th October 2015.



A scene of seminar during Vigilance Awareness Week at JBP Divn. on 30th October 2015.



A scene of Nukkad Natak during Vigilance Awareness Week at JBP Divn. on 30th October 2015

November 2015:

One Vigilance camp/ seminar of 2 days at **Katni Railway Station** of Jabalpur division on 19th & 20th November, 2015 has been organized during the month.



A scene of seminar during Vigilance Camp at Katni on 19th & 20th November, 2015.



A scene of seminar during Vigilance Camp at Katni on 19th & 20th November, 2015.

December 2015:

One Vigilance camp/ seminar of 2 days at **Beohari Railway Station** of Jabalpur division on 17th & 18th December, 2015 has been organized during the month.



A scene of seminar during Vigilance Camp at Beohari on 17th & 18th December, 2015.



A scene of seminar during Vigilance Camp at Beohari on 17th & 18th December, 2015.

January 2016:

One Vigilance camp/ seminar at **Diesel Loco Shed, Itarsi Junction** of Bhopal division on 13th January, 2016 has been organized during the month.



A scene of seminar during Vigilance Camp at Itarsi on 13th January, 2016.



A scene of seminar during Vigilance Camp at Itarsi on 13th January, 2016.

February 2016:

One Vigilance camp/ seminar at Wagon Repair Workshop (WRS), Kota on 6th February, 2016 has been organized during the month.



A scene of seminar during Vigilance Camp at WRS/KTT on 6th February, 2016.



A scene of seminar during Vigilance Camp at WRS/KTT on 6th February, 2016.

March 2016:

One Vigilance camp/ seminar at Diesel Shed, NKJ on 16th March, 2016 has been organized during the month.



A scene of seminar during Vigilance Camp at Diesel Shed/NKJ on 16th March, 2016.



A scene of seminar during Vigilance Camp at Diesel Shed/NKJ on 16th March, 2016.

17. सांख्यिकीय/STATISTICAL

पश्चिम मध्य रेल में सांख्यिकीय विभाग वित्त सलाहकार एवं मुख्य लेखा अधिकारी 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 वित्त आयुक्त तथा अतिरिक्त सदस्य (बजट) 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-। व भाग-।। 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 (एफ एण्ड बी)
मुख्य सूचना अधिकारी (एस.जी.)
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: 2014-15		FY: 2015-16	
	Excl. Interest on capital	Excl. Interest on capital	Excl. Interest on capital	Incl. Interest on capital
A. Coaching Traffic (Figures in ₹)				
Total Coaching Earning (₹ in crores)	2897.06	2897.06	3056.95	3056.95
Working Expenses - Coaching (₹ in crores)	3228.15	3303.66	3375.23	3452.85
Coaching earnings per train Km.	711.69	711.69	755.18	755.18
Cost of hauling a passenger train one Km.	793.02	811.57	833.80	852.98
Profit on working a passenger train one Km.	-81.33	-99.88	-78.62	-97.80
Earnings per coaching vehicle per Km.	16.93	16.93	17.39	17.39
Cost of hauling a coaching vehicle one Km.	18.87	19.31	19.21	19.65
Profit on working a coaching vehicle per KM.	-1.94	-2.38	-1.82	-2.26
Earning per passenger per Km.	0.38	0.38	0.39	0.39
Cost per passenger per Km.	0.43	0.44	0.43	0.44
Profit per passenger per Km.	-0.04	-0.04	-0.04	-0.05
B. Goods Traffic (Figures in ₹)				
Total Goods Earning (₹ in crores)	7609.65	7609.65	7825.93	7825.93
Working Expenses - Goods (₹ in crores)	3449.44	3555.06	3633.27	3736.54
Goods earnings per train Km.	2692.16	2692.16	2696.09	2696.09
Cost of hauling a goods train one Km.	1220.35	1257.71	1251.69	1287.26
Profit on working a goods train one Km.	1471.81	1434.45	1444.40	1408.83
Earnings per goods wagon per kilometre	55.98	55.98	56.50	56.50
Cost of hauling a goods wagon one Km.	25.37	26.15	26.23	26.97
Profit on working a goods wagon one Km.	30.61	29.83	30.27	29.53
Earnings per goods tonne one Km.	1.38	1.38	1.42	1.42
Cost of hauling one tonne of goods per Km.	0.62	0.64	0.66	0.68
Profit on working a goods tonne one Km.	0.76	0.73	0.76	0.74

कुछ महत्वपूर्ण सांख्यिकीय परिणाम/Some Important Statistical Results:

क्र.सं. Sr. No.	विवरण/ Description	ईकाई/ Unit	2014-15	2015-16
वित्तीय सांख्यिकीय/Financial Statistics:				
1	ब्याजदेय पूँजी/Capital at Charge	₹in Crores	4130.15	4784.31
2	सकल आय/Gross Earnings	₹in Crores	10506.71	10882.89
3	कुल संचालन व्यय/Total Working Expenses	₹in Crores	6678.48	7006.50
4	कुल राजस्व/Net Revenue	₹in Crores	3851.78	3884.65
5	परिचालन अनुपात/Operating Ratio in %age	Percentage	63.56	64.38
स्टेशन संख्या एवं मार्ग किमी./Stations & Route Kilometrage				
1	31 मार्च को स्टेशनों की संख्या/ No. of Stations as on 31 st March	Nos.	296	290
2	31 मार्च को मार्ग किमी./ Route Kilometers as on 31 st March	Kms	2995.07	2996.87
3	31 मार्च को रनिंग ट्रैक किमी./ Running Track KMs as on 31 st March	Kms	4769.25	4840.70
यात्री यातायात सांख्यिकी/Passenger Traffic Statistics:				
1	आरंभिक यात्री संख्या/Passenger Originating	No.in Lakhs	1390.04	1327.49
2	यात्री किमी./Passenger Kms	Kms in Crores	7587.14	7848.18
3	यात्री परिवहन से प्राप्त आय/ Earning from Passenger carried	₹ in Crores	2692.56	2857.58
4	ढोये गये यात्री संख्या/Passengers Carried	No.in Lakhs	2879.03	2902.20
5	प्रति यात्री औसत गमन दूरी/ Average Lead of a Passenger	Kms	264	270
6	प्रति यात्री प्रति किमी.औसत किराया/ Avg. Rate Charged per Passenger/Km.	Paise	35.49	36.41
माल यातायात सांख्यिकी/Freight Traffic Statistics:				
1	आरंभिक माल टन/ Freight Tonnes Originating	Tonnes in Lakhs	408.74	421.73
2	सकल टन किमी./ Freight Tonnes Kms	Kms in Crores	5530.88	5525.55
3	ढोये गये माल से प्राप्त आय/ Earning from Goods carried	₹ in Crores	6856.92	7695.41
4	औसत गमन दूरी/Average lead	Kms	358	369
5	रेलवे सिस्टम में ढोये गये माल टनेज/ Tonnes Carried on System	Kms in Lakhs	1546.36	1497.83
6	औसत दर/Average Rate	Paise	123.98	139.27

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	2015-16	18	18	1497	11	1544	4.11	2.05	53.99	0.2	60.42	5.53	3.82	111.20	0.27	121.81
		2014-15	20	18	1525	15	1578	3.53	1.68	36.14	0.3	41.66	4.96	3.62	92.46	0.32	101.36
2	कार्मिक Personnel	2015-16	17	34	793	1	845	1.71	3.02	41.15	0.0	45.91	2.27	4.11	67.18	0.03	73.60
		2014-15	15	37	773	4	829	1.46	3.00	32.85	0.0	37.41	2.05	4.42	57.05	0.09	63.60
3	लेखा Accounts	2015-16	18	28	733	0	779	2.44	3.12	47.50	0.0	53.06	3.26	4.74	91.62	0.00	99.62
		2014-15	19	27	740	0	786	2.90	2.91	49.06	0.0	54.86	3.77	4.45	92.84	0.00	101.06
4	अभियंत्रिकी Civil Engg.	2015-16	58	76	15571	3	15708	5.62	5.23	466.46	0.0	477.38	7.76	7.90	813.25	0.07	828.98
		2014-15	52	79	16573	7	16711	5.13	5.33	383.57	0.1	394.18	7.05	8.73	690.03	0.15	705.96
5	यांत्रिकी Mech. Engg.	2015-16	31	30	11752	25	11838	3.83	2.62	492.02	0.6	499.06	5.56	3.94	652.34	0.63	662.46
		2014-15	25	33	12036	27	12121	3.16	2.38	457.02	0.5	463.12	4.67	3.93	606.98	0.59	616.17
6	विद्युत यांत्रिकी Elect. Engg.	2015-16	38	36	5655	15	5744	3.76	2.73	207.46	0.3	214.33	5.31	4.08	264.69	0.38	274.46
		2014-15	36	38	5781	30	5885	3.46	2.51	181.69	0.6	188.28	5.07	4.20	237.23	0.64	247.14
7	संकेत व दू.सं. S & T	2015-16	28	40	3426	11	3505	3.10	3.34	119.65	0.2	126.13	4.74	4.68	228.63	0.25	238.30
		2014-15	28	34	3459	13	3534	3.35	2.37	110.24	0.2	116.25	4.96	4.32	201.78	0.30	211.37
8	परिवहन Transportation	2015-16	23	9	8963	11	9006	3.29	0.86	454.94	0.2	459.35	4.36	1.75	783.01	0.28	789.39
		2014-15	24	12	9048	37	9121	2.74	1.16	435.77	0.8	440.51	3.80	2.08	728.62	0.85	735.35
9	वाणिज्य Commercial	2015-16	12	7	3223	1	3243	1.88	0.81	118.73	0.0	121.43	2.69	1.35	258.53	0.03	262.59
		2014-15	12	7	3252	3	3274	1.54	0.75	104.72	0.0	107.08	2.34	1.64	231.32	0.07	235.37
10	भंडार Stores	2015-16	17	23	633	0	673	2.36	1.43	25.13	0.0	28.93	3.12	2.01	57.58	0.00	62.71
		2014-15	17	22	586	7	632	2.30	1.33	19.50	0.1	23.31	3.05	2.11	45.26	0.18	50.60
11	चिकित्सा Medical	2015-16	57	13	1173	0	1243	8.64	1.05	40.36	0.0	50.06	13.7	1.33	92.84	0.00	107.90
		2014-15	62	11	1191	3	1267	7.06	0.75	44.88	0.0	52.77	12.4	1.12	93.17	0.08	106.83
12	रेल सु. बल R.P.F.	2015-16	12	0	1760	0	1772	1.33	0.00	71.77	0.0	73.09	2.00	0.00	134.41	0.00	136.41
		2014-15	13	0	1296	0	1309	1.34	0.00	54.74	0.0	56.08	2.04	0.00	106.50	0.00	108.54
13	कुल प.म.रेल Total WCR	2015-16	329	314	55179	78	55900	42.0	26.0	2139.1	1.8	2209.1	60.3	39.7	3556.27	1.94	3658.24
		2014-15	323	318	56260	146	57047	37.9	24.1	1910.1	3.2	1975.5	56.2	40.6	3183.25	3.28	3283.46

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	2015-16	18	18	1497	11	1544	22.85	11.40	3.61	2.38	3.91	30.71	21.24	7.50	2.42	7.89
		2014-15	20	18	1525	15	1578	17.65	9.34	2.37	2.11	2.64	24.79	20.11	6.06	2.14	6.42
2	कार्मिक Personnel	2015-16	17	34	793	1	845	10.09	8.88	5.23	2.90	5.48	13.37	12.96	8.54	3.00	8.78
		2014-15	15	37	773	4	829	9.77	8.11	4.25	2.24	4.51	13.69	11.93	7.38	2.26	7.67
3	लेखा Accounts	2015-16	18	28	733	0	779	13.58	11.13	6.48	0.00	6.81	18.13	16.91	12.50	0.00	12.79
		2014-15	19	27	740	0	786	15.26	10.76	6.63	0.00	6.98	19.83	16.49	12.55	0.00	12.86
4	अभियंत्रिकी Civil Engg.	2015-16	58	76	15571	3	15708	9.70	6.88	2.94	2.39	2.98	13.38	1039	5.13	2.44	5.28
		2014-15	52	79	16573	7	16711	9.87	6.75	2.31	2.17	2.36	13.55	11.05	4.16	2.19	4.22
5	यांत्रिकी Mech. Engg.	2015-16	31	30	11752	25	11838	12.36	8.72	4.46	2.39	4.49	17.93	13.14	5.91	2.51	5.60
		2014-15	25	33	12036	27	12121	12.62	7.22	3.80	2.11	3.82	18.67	11.90	5.04	2.20	5.08
6	विद्युत यांत्रिकी Elect. Engg.	2015-16	38	36	5655	15	5744	9.90	7.63	3.86	2.44	3.92	13.96	11.34	4.92	2.56	4.78
		2014-15	36	38	5781	30	5885	9.60	6.60	3.14	2.08	3.20	14.07	11.05	4.10	2.14	4.20
7	संकेत व दू.सं. S & T	2015-16	28	40	3426	11	3505	11.08	7.84	3.48	2.17	3.59	16.93	11.70	6.66	2.25	6.80
		2014-15	28	34	3459	13	3534	11.98	6.96	3.19	2.27	3.29	17.72	12.72	5.83	2.33	5.98
8	परिवहन Transportation	2015-16	23	9	8963	11	9006	14.30	9.51	5.06	2.47	5.09	18.86	19.41	8.71	2.52	8.77
		2014-15	24	12	9048	37	9121	11.42	9.65	4.82	2.28	4.83	15.83	17.35	8.05	2.30	8.06
9	वाणिज्य Commercial	2015-16	12	7	3223	1	3243	15.62	11.37	3.66	2.69	3.72	22.41	19.24	7.96	3.01	8.09
		2014-15	12	7	3252	3	3274	12.82	10.77	3.22	2.18	3.27	19.50	23.47	7.11	2.29	7.19
10	भंडार Stores	2015-16	17	23	633	0	673	13.91	6.22	3.97	0.00	4.30	18.38	8.74	9.09	0.00	9.32
		2014-15	17	22	586	7	632	13.55	6.05	3.33	2.48	3.69	17.94	9.61	7.72	2.51	8.01
11	चिकित्सा Medical	2015-16	57	13	1173	0	1243	15.16	8.09	3.42	0.00	4.01	24.08	10.26	7.89	0.00	8.68
		2014-15	62	11	1191	3	1267	11.38	6.80	3.77	2.76	4.16	20.09	10.15	7.82	2.78	8.43
12	रेल सु. बल R.P.F.	2015-16	12	0	1760	0	1772	11.09	0.00	4.08	0.00	4.13	16.70	0.00	7.64	0.00	7.70
		2014-15	13	0	1296	0	1309	10.28	0.00	4.22	0.00	4.28	15.66	0.00	8.22	0.00	8.29
13	कुल प.म.रेल Total WCR	2015-16	329	314	55179	78	55900	12.79	8.30	3.92	2.39	3.99	18.34	12.65	6.52	2.48	6.54
		2014-15	323	318	56260	146	57047	11.75	7.60	3.40	2.20	3.46	17.40	12.77	5.66	2.25	5.76

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

कुल स्टाफ संख्या वलागत	ग्रुप / वर्ष	2011-12	2012-13	2015-16	2014-15	2015-16
वर्ष में औसत स्टाफ संख्या Average No. of Staff during the year	ग्रुप "A"	280	271	296	323	329
	ग्रुप "B"	344	297	331	318	314
	ग्रुप "C"	55645	57016	56815	56260	55179
	ग्रुप "D"	44	60	129	146	78
	कुल योग/Total	56313	57644	57571	57047	55900
कुल लागत पेंशन सहित (रुहजार में) Total Cost Incl. Pension (in Thousands)	ग्रुप "A"	277515	312191	402453	562027	603309
	ग्रुप "B"	211107	218337	265425	406215	397096
	ग्रुप "C"	20593830	21873617	29055490	31832499	35562713
	ग्रुप "D"	8487	11448	28281	32817	19364
	कुल योग/Total	21090940	22415593	29751649	32833558	36582482
औसत लागतप्रति कर्मचारी प्रति वर्ष (रु में) Average Cost Per Employee (in रु)	ग्रुप "A"	991126	1151996	1359639	1740022	1833766
	ग्रुप "B"	613684	735141	801888	1277406	1264637
	ग्रुप "C"	370093	383640	511405	565811	644497
	ग्रुप "D"	198295	190800	219233	224774	248256
	कुल योग/Total	374531	388863	516782	575553	654427

टन किमी./Tonne Kilometrage:

(Fig. in Thousands)

विवरण/Description	डीजल विद्युत्/Diesel Electric		एसी विद्युत्/A.C. Electric		सभी कर्षण/All Traction	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
निवल टन किमी (गुड्स)/ NTKms (Goods)	10726296	11321095	44545493	43869385	55271789	55190480
सकल टन किमी (इंजिन भार एवं विभागीय रहित)GTKMs (excl. Weight of engine & departmental)						
i यात्री यातायात/ Passenger Traffic	22588975	23722507	25386720	25713894	47975695	49436401
ii माल यातायात/ Goods Traffic	17967109	19558913	71601427	70580650	89568536	90139563
सकल टन किमी (इंजिन भार सहित एवं विभागीय रहित)GTKMs (incl. Weight of engine but excl. departmental)						
i यात्री यातायात/ Passenger Traffic	24837259	25877804	28044441	28423289	52881700	54301093
ii माल यातायात/ Goods Traffic	19353229	21301382	75657751	74994552	95010980	96295934
सकल टन किमी (इंजिन भार एवं विभागीय सहित)GTKMs(incl. Weight of engine & departmental)						
i यात्री यातायात/ Passenger Traffic	24837260	25878961	28044441	28423349	52881701	54302310
ii माल यातायात/ Goods Traffic	19356980	21374090	75658912	75027347	95015892	96401437

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

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ AC Electric		सभी कर्षण/ All Tractions	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
मालगाड़ी औसत प्रतिदिन/ Trains Avg/day	129.8	133.4	384.1	431.6	513.9	565.1
मालगाड़ी किमी/ Goods Train Kilometres	6104	6850	22162	22177	28266	29027
मालगाड़ी घंटे/ Goods Train Engine Hours	251.8	256.9	648.6	628.6	900.4	885.5
औसत गति/ Average Speed (KMPH)	24.0	26.7	34.2	35.3	31.4	32.8
लोडेड वैगन किमी/ Loaded Wagon Kms	179106	188632	769523	738887	948629	927519
खाली वैगन किमी/ Empty Wagon Kms	107840	137867	302963	319806	410803	457673
कुल वैगन किमी/ Total Wagon Kms	286946	326499	1072486	1058693	1359432	1385192

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

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ A CElectric		सभी कर्षण/ All Tractions	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
यात्रीगाड़ी औसत प्रतिदिन/ Trains Avg/ day	356.0	349.8	431.8	479.4	787.8	829.2
यात्रीगाड़ी किमी/ Passenger Train Kms	17964	17323	22743	23157	40707	40480
यात्रीगाड़ी घंटे/ Passenger Train Hours	379.4	366.7	398.6	403.0	778.0	769.7
औसत गति/ Average Speed (KMPH)	47.35	47.24	57.06	57.46	52.32	52.59
व्हीकल किमी/ Vehicle Kms	806143	843317	904670	914109	1710813	1757426

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

विवरण/ Description	डीजल विद्युत्/ Diesel Electric		एसी विद्युत्/ ACElectric		सभी कर्षण/ All Tractions	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
a यात्री इंजन किमी/ Passenger EKms	19199	18421	22743	23157	41942	41578
b गुड्स इंजन किमी/ Goods EKms	11846	14893	34870	37726	46716	52619
c विभागीय इंजन किमी/ Departmental Engine Kms.	73	74	23	30	96	104
d कुल इंजन किमी/ Total Engine Kms.	31118	33388	57636	60913	88754	94301

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 2014-15							
भोपाल/BPL	Electric	9935034	1032879	10967913	5711448	9020	27656294
	Diesel	2109573	469801	2579374	979368	23253	6161369
	Total	12044607	1502680	13547287	6690816	32273	33817663
कोटा/KOTA	Electric	7774804	1540650	9315454	10431928	0	29062836
	Diesel	1001241	862150	1863391	624523	10992	4362297
	Total	8776045	2402800	11178845	11056451	10992	33425133
जबलपुर/JBP	Electric	1771341	688390	2459731	6017963	14261	10951686
	Diesel	11386689	2134084	13520773	4501070	38439	31581055
	Total	13158030	2822474	15980504	10519033	52700	42532741
योग पमरेल/ Total WCR	Electric	19481179	3261919	22743098	22161339	23281	67670816
	Diesel	14497503	3466035	17963538	6104961	72684	42104721
	Total	33978682	6727954	40706636	28266300	95965	109775537
Year 2015-16							
भोपाल/BPL	Electric	9874436	948317	10822753	5750693	21852	27418051
	Diesel	2121447	691026	2812473	1135242	31459	6791647
	Total	11995883	1639343	13635226	6885935	53311	34209698
कोटा/KOTA	Electric	7915214	1520063	9435277	10480627	0	29351181
	Diesel	1052775	865896	1918671	660279	12218	4509839
	Total	8967989	2385959	11353948	11140906	12218	33861020
जबलपुर/JBP	Electric	2163037	736155	2899192	5924077	7658	11730119
	Diesel	10578934	2011452	12590386	5075374	28435	30284581
	Total	12741971	2747607	15489578	10999451	36093	42014700
योग पमरेल/ Total WCR	Electric	19952687	3204535	23157222	22155397	29510	68499351
	Diesel	13753156	3568374	17321530	6870895	72112	41586067
	Total	33705843	6772909	40478752	29026292	101622	110085418

व्हीकल किमी./Vehicle Kilometers:-

(Fig. in Thousands)

विवरण/Description	डीजल विद्युत्/Diesel Electric		एसी विद्युत्/A.C. Electric		सभी कर्षण/All Tractions	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
1	2	3	4	5	6	7
यात्री कोचिंग व्हीकल/Passenger Coaching Vehicles						
(i) एसी प्रथम/AC First Class	6043	6336	17909	18112	23952	24447
(ii) प्रथम/First Class	0	0	168	170	168	170
(iii) एसी 2टियर/AC 2 Tier Sleeper	34888	36574	59134	59805	94022	96379
(iv) एसी 3टियर/AC 3 Tier Sleeper	52610	55153	112669	113947	165279	169100
(v) एसी चेअरकार/AC Chair Car	1315	1379	1636	1655	2952	3034
(vi) स्लीपर/Sleeper Class	344618	361278	419042	423796	763660	785073
(vii) अन्य द्वितीय/Second Class	351856	368865	256513	259423	608369	628288
(viii) टूरिस्ट, कार/Tourist Car/Saloon	0	0	0	0	0	0
(ix) कुल पीसीवीकिमी/Total PCV KMs.	791331	829585	867070	876908	1658401	1706492
(x) कुल ओसीवी किमी/Total OCV KMs	14812	13732	37600	37202	52412	50934
(xi) कुल व्हीकल किमी/Total VKms	806143	843317	904670	914109	1710813	1757426

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

वर्ष/Year		2014-15			2015-16		
सेवा/Service	Traction	Holding	Engine Kms	Usage	Holding	Engine Kms	Usage
पैसेंजर/Passenger	Diesel	87.36	23237492	728.8	89.09	23083917	707.9
	AC Electric	1144.17	28439090	682.4	116.50	24984567	586.0
गुड्स/Goods	Diesel	136.60	19746370	396.0	145.38	22940186	431.1
	AC Electric	410.13	88390945	590.5	416.05	84131527	552.5
कुल योग/All services	Diesel	271.09	42983862	525.2	281.30	46024103	536.0
	AC Electric	525.44	116830035	610.5	532.86	109116094	559.8

दक्षता/Efficiency-

आयटम/ITEMS		2014-15	2015-16
नेट टन किमी प्रति वैगन दिवस(इन यूज)/NTkms/Wagon day in use		12156.9	11615.8
वैगन किमी प्रति वैगन दिवस(इन यूज)/Wagon kms/ wagon day in use		317.3	308.8
वैगन किमी/वैगन दिवस(ऑन लाइन)/Wagon kms/wagon day on line		299.0	291.5
औसत मालडिब्बा भार/Average wagon load during the run - All traffic (In Tonnes)		58.3	59.5
व्हीकल किमी प्रति व्हीकल दिवस/Vehicles Kms/vehicle day			
अ. यात्री कोचिंग व्हीकल/a. Passenger Coaching Vehicle		593.8	584.3
ब. अन्य कोचिंग व्हीकल/b. Other Coaching Vehicle		442.7	447.2
स. कुल कोचिंग व्हीकल/c. All Coaching Vehicle		592.3	582.8
नेट टन किमी/गुड्स लोको दिन (इन यूज)/NTKms per goods engine day (in use)			
अ. विद्युत्/a. Electric		777578	751456
ब. डीजल/b. Diesel		340517	333423
स. कुल योग/c. Total		622518	597731
नेट टन किमी/गुड्स लोको दिवस (ऑन लाईन)/NTKms per goods engine day (on line)			
अ. विद्युत्/a. Electric		710120	687941
ब. डीजल/b. Diesel		232298	230580
स. कुल योग/c. Total		507526	488985

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 Railway's 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 ₹)	
		2014-15	2015-16
1	AC First Class	-1091.47	-1496.32
2	AC Sleeper	9630.78	8349.57
3	AC 3tier	32866.87	35851.31
4	AC Chair Car	1304.94	2189.41
5	First Class	15.89	-4.67
6	Sleeper Class	-20558.59	-19626.44
7	Second Class	-8225.36	-6145.56
8	Total Mail Express	13943.05	19117.29

Passenger Service – (B) Ordinary Passenger

Sr. No.	Services	Profit / (-) Loss (in ₹)	
		2014-15	2015-16
1	First Class	-553.04	-608.93
2	Sleeper Class	-4257.68	-4395.94
3	Second Class	-47247.73	-48302.81
4	Total Ordinary	-52058.45	-53307.68
5	Total Passenger Service	-38115.41	-34190.39

Passenger Service – (C) Other Coaching

Sr. No.	Services	Profit / (-) Loss (in ₹)	
		2014-15	2015-16
1	Parcel & Luggage	-7108.51	-10227.50
3	Catering Services	-1245.40	-835.64
4	Total Coaching Services	-46469.32	-45253.53
5	Sundry	5808.77	5623.39
	Grand Total	-40660.55	-39630.14

**COACHING UNIT COST -
PASSENGER SERVICE:**

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Line Haul -Running Cost Per VKM.	15.54	15.34
2	Line Haul -Running Cost Per 1000 GTKMS	554.01	545.19
3	Terminal -Booking Cost Per Passenger Originating	1.14	1.42
4	Terminal -Ticket Checking Cost Per Passenger Carried	4.31	4.59
5	Terminal -Enquiry &Reservation Cost Per Passenger Carried	0.51	0.62
6	Terminal - Spl. Services Cost Per Pass. Carried	1.07	1.23
7	Terminal - Misc. Services Cost Per Passenger Carried	13.84	15.63
8	Total Terminal Cost Per Passenger Carried	20.27	22.71
9	Total Overall Passenger Service Cost Per Vehicle Kilometre	19.06	19.20
10	Total Overall Cost Per Passenger Carried	109.76	112.89

PARCEL, LUGGAGE & POSTAL SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Line Haul - Running Cost Per Quintal.	19.84	22.35
2	Line Haul - Running Cost Per 1000 GTKMS.	707.49	794.52
3	Terminal Cost Per VKM.	14.00	22.21
4	Total Parcel Luggage & Postal Cost Per VKM.	33.85	44.56

CATERING SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Line Haul - Running Cost Per Dining Car Kms.	8.83	8.72
2	Terminal Cost Per Passenger Carried	0.22	0.21
3	Total Catering Service Cost Per VKM	12.81	12.56
4	Total Catering Service Cost Per Passenger Carried	0.72	0.68

OVERALL COST OF COACHING SERVICE:

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Total Overall Cost of Coaching Service Per Vehicle Kilometre	19.31	19.65
2	Total Line Haul Cost Per Passenger Km.	0.34	0.33
3	Total Terminal Cost Per Passenger Originating	41.99	49.65
4	Total Overall (Running & Terminal) Cost Per Passenger/Km.	0.42	0.42

GOODS UNIT COST

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Cost of Documentation Per Invoice	366.06	334.10
2	Cost of Other Terminal Services Per Tonne (Full Loads)	39.21	44.25
3	Cost of Other Terminal Services Per Wagon (Full Loads)	1375.18	1560.75
4	Cost of Marshalling Per Wagon Per Yard Handled	3.52	3.20
5	Cost of Wagon Maintenance Per Wagon Day	855.47	838.72
6	Cost of Line Haul - Other Transportation (Exp. Incl. Train Passing Staff Per Train Kms)	113.41	94.83
7	Cost of Line Haul - Other Transportation (Exp. Incl. Train Passing Staff Per 1000 GTKM)	35.93	30.68
8	Cost of Line Haul - Track & Signalling Per Train Kms	149.67	147.72
9	Cost of Line Haul - Track & Signalling Per 1000 GTKM	47.42	47.79
10	Percentage of General Overhead Charges To Total Expenses	34.31	38.94
11	Percentage of Central Charges To Total Expenses (Incl. Overhead Charges)	0.30	0.35

COST OF LINE HAUL (per 1000 GTKMs)

Sr. No.	Particulars	Unit Cost (in ₹)	
		2014-15	2015-16
1	Cost of Line Haul Per 1000 GTKMs Coaching (Diesel)	372.59	282.74
2	Cost of Line Haul Per 1000 GTKMs Coaching (Electric)	59.73	64.78
3	Cost of Line Haul Per 1000 GTKMs Goods (Diesel)	260.74	253.50
4	Cost of Line Haul Per 1000 GTKMs Goods (Electric)	104.22	105.42

ANNEXURE-I

DIVISION WISE, SECTION WISE WITH SERVICE WISE ANNUAL GMT ON WCR FOR THE YEAR 2015-16

Sr. No.	Section (Double) or (Single line)		Dir	Classification of Route	Divn	Route Kms	GTKMs including Weight of Engines			Million GTKM	GTKM per Km per Day	Annual GMT 2015-16
							Passenger GTKMs	Goods GTKMs	Total GTKMs			
1	2		3	4	5	6	7	8	9	10	11	12
1	KNW - ET	D/L	DN	"B" Route	BPL	183.42	2283867763	1979345503	4263213266	4263	63505	23.24
2	ET - KNW	D/L	UP	"B" Route	BPL	183.42	2430717773	3149830658	5580548431	5581	83128	30.42
3	ET - BPL	D/L	DN	"A" Route	BPL	96.75	1837189871	2402011968	4239201838	4239	119716	43.82
4	BPL - ET	D/L	UP	"A" Route	BPL	91.65	1682901183	2204378078	3887279261	3887	115886	42.41
5	BPL - BINA	D/L	DN	"A" Route	BPL	138.38	2583205815	3973075463	6556281277	6556	129450	47.38
6	BINA - BPL	D/L	UP	"A" Route	BPL	138.38	2623404827	3734686428	6358091255	6358	125537	45.95
7	BINA - RTA	S/L	DN	"D" Route	BPL	138.84	722884552	2711938087	3434822639	3435	67594	24.74
8	RTA - BINA	S/L	UP	"D" Route	BPL	138.84	720462071	1711517435	2431979506	2432	47859	17.52
9	RTA - MKC	S/L	DN	"E" Route	BPL	193.80	454594764	192155884	646750648	647	9118	3.34
10	MKC - RTA	S/L	UP	"E" Route	BPL	193.80	454496224	318085057	772581281	773	10892	3.99
11	GUN - GWL	S/L	DN	"E" Route	BPL	227.46	456354461	224466699	680821159	681	8178	2.99
12	GWL - GUN	S/L	DN	"E" Route	BPL	227.46	460633248	164945059	625578307	626	7514	2.75
13	KNW-BIR	S/L	DN	"E" Route	BPL	33.00	6888723	0	6888723	7	570	0.21
14	BIR-KNW	S/L	DN	"E" Route	BPL	33.00	6888723	0	6888723	7	570	0.21
Total BPL division						1015.46	16724489997	22766436318	39490926315	39491	106256	38.89
15	ET - JBP	D/L	DN	"B" Route	JBP	245.16	4138990925	1063353472	5202344398	5202	57979	21.22
16	JBP - ET	D/L	UP	"B" Route	JBP	245.16	4140641581	1506934334	5647575915	5648	62941	23.04
17	JBP - KTE	D/L	DN	"B" Route	JBP	90.79	1690532753	361116623	2051649376	2052	61742	22.60
18	KTE - JBP	D/L	UP	"B" Route	JBP	90.79	1690381504	485087597	2175469101	2175	65469	23.96
19	KTE - STA	D/L	DN	"B" Route	JBP	98.21	1687740180	1482868933	3170609113	3171	88208	32.28
20	STA - KTE	D/L	UP	"B" Route	JBP	98.21	1687505399	802490008	2489995408	2490	69273	25.35
21	STA - MKP	D/L	DN	"B" Route	JBP	77.45	1198570714	1604448141	2803018855	2803	98883	36.19
22	MKP - STA	D/L	UP	"B" Route	JBP	77.45	1198392015	516962340	1715354355	1715	60513	22.15
23	STA - REWA	S/L	S/L	"E" Route	JBP	48.55	135398928	157797660	293196588	293	16500	6.04
24	REWA - STA	S/L	S/L	"E" Route	JBP	48.55	135398928	356345710	491744637	492	27674	10.13

Sr. No.	Section (Double) or (Single line)		Dir	Classification of Route	Divn	Route Kms	GTKMs including Weight of Engines			Million GTKM	GTKM per Km per Day	Annual GMT 2015-16
							Passenger GTKMs	Goods GTKMs	Total GTKMs			
1	2		3	4	5	6	7	8	9	10	11	12
25	BINA - KTE	D/L	DN	"D" Route	JBP	262.81	2032789348	7281861011	9314650359	9315	96838	35.44
26	KTE - BINA	D/L	UP	"D" Route	JBP	262.81	2089077530	13135173733	15224251263	15224	158275	57.93
27	JKE-KYCE	S/L	S/L	Unclassified	JBP	21.25	0	0	0	0	0	0.00
28	KYCE-JKE	S/L	S/L	Unclassified	JBP	21.25	0	0	0	0	0	0.00
29	KTE - SGRL	S/L	S/L	"E" Route	JBP	260.05	350233724	3350034693	3700268417	3700	38877	14.23
30	SGRL - KTE	S/L	S/L	"E" Route	JBP	260.05	350001269	3221281267	3571282536	3571	37522	13.73
Total JBP division						1085.09	22525654798	35325755522	57851410320	57851	145668	53.31
31	NAD - RMA	D/L	DN	"A" Route	KOTA	152.65	1714901247	4762556217	6477457465	6477	115938	42.43
32	RMA-NAD	D/L	UP	"A" Route	KOTA	152.65	1714901253	4871920002	6586821254	6587	117896	43.15
33	RMA-KOTA	D/L	DN	"A" Route	KOTA	72.32	886935417	2256637348	3143572765	3144	118764	43.47
34	KOTA-RMA	D/L	UP	"A" Route	KOTA	72.32	886935416	2308457083	3195392499	3195	120722	44.18
35	RMA-JLWC	S/L	DN	"D" Route	KOTA	25.80	22847376	0	22847376	23	2420	0.89
36	JLWC-RMA	S/L	UP	"D" Route	KOTA	25.80	22847375	0	22847375	23	2420	0.89
37	KOTA - GGC	D/L	DN	"A" Route	KOTA	171.37	2445620610	5348583937	7794204547	7794	124267	45.48
38	GGC - KOTA	D/L	UP	"A" Route	KOTA	171.37	2445620613	5723420802	8169041414	8169	130243	47.67
39	GGC - BXN	D/L	DN	"A" Route	KOTA	77.22	878576257	1996058970	2874635227	2875	101712	37.23
40	BXN - GGC	D/L	UP	"A" Route	KOTA	77.22	878576257	2283062468	3161638725	3162	111867	40.94
41	BXN - MTJ	D/L	DN	"A" Route	KOTA	75.41	679033347	1949272300	2628305647	2628	95228	34.85
42	MTJ - BXN	D/L	UP	"A" Route	KOTA	75.41	679033347	2229548572	2908581919	2909	105383	38.57
43	KOTA - RTA	S/L	DN	"D" Route	KOTA	164.26	504084189	3184120974	3688205162	3688	61348	22.45
44	RTA -KOTA	S/L	UP	"D" Route	KOTA	164.26	504084189	689035190	1193119378	1193	19846	7.26
45	KOTA- CNA	S/L	DN	"D" Route	KOTA	158.25	393475556	268764460	662240016	662	11434	4.18
46	CNA - KOTA	S/L	UP	"D" Route	KOTA	158.25	393475556	332304111	725779667	726	12531	4.59
Total KOTA division						896.32	15050948004	38203742434	53254690438	53255	162336	59.41
Total WCR						2996.87	54301092799	96295934274	150597027073	150597	137299	50.25

WEST CENTRAL RAILWAY

DENSITY OF COACHING AND GOODS TRAFFIC SECTION WISE FOR THE YEAR 2015-16

Sr. No.	Section	Route Kilometrage of the section		Single Line/ Double Line	Electrified/ Non- Electrified	Average Daily No. of Coaching Trains run on the section		Average Daily No. of Vehicles in terms of 4 Wheeler run on the section		Average Daily No. of Goods Trains run on the section		Average Daily No. of Wagons in terms of 8 wheeler run on the section		NTKMs per route kilometre per day (Goods)			GTKMs (incl. Wt of engine) of Goods incl. prop. of Mixed per route km per day	
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	27.19	27.38	1254	1264	13.70	8.02	664	365	25514	17232	42746	46920	29485
2	BPL - ET	91.65	96.75	Double	Electrified	41.89	39.75	1832	1755	23.68	18.10	1123	814	32480	42223	74703	65716	67833
3	BINA - BPL	138.38	138.38	Double	Electrified	41.76	41.52	1822	1815	23.82	21.76	1136	991	38775	47734	86509	73739	78446
4	RTA - BINA	138.84	138.84	Single	Electrified	13.32	13.47	445	447	13.55	12.09	699	623	12476	33047	45523	33681	53368
5	MKC - RTA	193.80	193.80	Single	Non Electrified	5.45	5.46	250	250	1.42	1.61	57	63	2506	765	3271	4484	2709
6	GWL - GUN	227.46	227.46	Single	Non Electrified	4.49	4.42	207	205	1.25	0.76	49	32	346	1359	1705	1981	2696
7	BIR-KNW	33.00	33.00	Single	Non Electrified	2.72	2.72	20	20	0.00	0.00	0	0	0.0	0.0	0	0	0
Jabalpur Division																		
8	JBP - ET	245.16	245.16	Double	Non Electrified	28.41	28.40	1304	1303	4.87	3.72	217	186	9415	6349	15764	16794	11851
9	KTE - JBP	90.79	90.79	Double	Non Electrified	32.26	32.26	1466	1466	4.28	3.51	193	180	8143	5740	13883	14598	10867
10	STA - KTE	98.21	98.21	Double	Non Electrified	29.13	29.13	1377	1378	10.78	11.96	665	538	9099	23084	32183	22326	41254
11	MKP - STA	77.45	77.45	Double	Non Electrified	25.86	25.85	1239	1240	14.02	14.71	927	602	3903	32914	36817	18237	56601

Sr. No.	Section	Route Kilometrage of the section		Single Line/ Double Line	Electrified/ Non- Electrified	Average Daily No. of Coaching Trains run on the section		Average Daily No. of Vehicles in terms of 4 Wheeler run on the section		Average Daily No. of Goods Trains run on the section		Average Daily No. of Wagons in terms of 8 wheeler run on the section		NTKMs per route kilometre per day (Goods)			GTKMs (incl. Wt of engine) of Goods incl. prop. of Mixed per route km per day	
Broad Gauge		UP	DN			UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	UP&DN	UP	DN
12	REWA - STA	48.55	48.55	Single	Non Electrified	5.53	5.53	224	224	5.48	4.83	243	287	11394	3394	14788	20054	8880
13	KTE - BINA	262.8 1	262.81	Double	Electrified	20.11	19.45	885	857	32.36	33.61	1451	1896	87913	29408	117321	136557	75704
14	KYCE-JKE	21.25	21.25	Single	Non Electrified	0.00	0.00	0	0	0.00	0.00	0	0	0	0	0	0	0
15	SGRL - KTE	260.05	260.05	Single	Non Electrified	3.62	3.61	96	96	9.32	9.70	398	436	19333	19913	39246	33845	35197
Kota Division																		
16	RMA-NAD	152.65	152.65	Double	Electrified	22.94	22.94	1080	1080	25.43	24.86	1173	1147	53279	52091	105370	87201	85244
17	KOTA-RMA	72.32	72.32	Double	Electrified	25.72	25.72	1357	1357	25.44	24.86	1173	1147	52099	112458	164557	85255	184061
18	JLWC-RMA	25.80	25.80	Single	Non Electrified	2.36	2.36	226	226	0.00	0.00	0	0	149366	146037	295403	244467	238980
19	GGC - KOTA	171.37	171.37	Double	Electrified	28.53	28.53	1220	1220	26.62	24.86	1227	1146	55608	52081	107689	91251	85275
20	BXN - GGC	77.22	77.22	Double	Electrified	23.75	23.75	972	972	23.55	20.60	1087	950	49400	43168	92568	80781	70626
21	MTJ - BXN	75.41	75.41	Double	Electrified	19.06	19.06	768	768	23.55	20.60	1087	950	49400	43168	92568	80781	70626
22	RTA -KOTA	164.26	164.26	Single	Electrified	7.09	7.09	258	258	3.35	15.46	154	713	6958	32229	39187	11461	52963
23	CNA - KOTA	158.25	158.25	Single	Non Electrified	4.82	4.82	211	211	1.67	1.33	77	61	3331	2718	6049	5737	4640

Sr. No.	Section	Route Kilometrage of the section		Single Line/ Double Line	Electrified/ Non- Electrified	GTKMs (incl. Wt of engine) of Coaching incl. prop. of Mixed per route Km per day		GTKMs (incl. Wt of engine) of Coaching & Goods combined incl. prop. of Mixed per route Kms per day		Net Tonne Kilometres (in 000s) Goods Service			Gross Tonne KMs including Weight of engine of Goods incl. prop. of Mixed (in 000s)		Gross Tonne KMs including Weight of Engine of Coaching incl. prop. of Mixed (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	Electrified	36208	34021	83128	63506	1712797	1156844	2869641	3149831	1979346	2430718	2283868
2	BPL - ET	91.65	96.75	Double	Electrified	50170	51883	115886	119716	1089516	1495152	2584668	2204378	2402012	1682901	1837190
3	BINA - BPL	138.38	138.38	Double	Electrified	51798	51004	125537	129450	1963828	2417590	4381418	3734686	3973075	2623405	2583206
4	RTA - BINA	138.84	138.84	Single	Electrified	14178	14226	47859	67594	633967	1679317	2313284	1711517	2711938	720462	722885
5	MKC - RTA	193.8	193.8	Single	Non Electrified	6408	6409	10892	9118	177773	54256	232029	318085	192156	454496	454595
6	GWL - GUN	227.46	227.46	Single	Non Electrified	5533	5482	7514	8178	28825	113133	141958	164945	224467	460633	456354
7	BIR-KNW	33.0	33.0	Single	Non Electrified	1558	1558	1558	1558	0	0	0	0	0	18822	18822
Jabalpur Division																
8	JBP - ET	245.16	245.16	Double	Non Electrified	46146	46128	62940	57979	844816	569717	1414533	1506934	1063353	4140642	4138991
9	KTE - JBP	90.79	90.79	Double	Non Electrified	50870	50875	65468	61742	270584	190742	461327	485088	361117	1690382	1690533
10	STA - KTE	98.21	98.21	Double	Non Electrified	46947	46954	69273	88208	327058	829757	1156816	802490	1482869	1687505	1687740
11	MKP - STA	77.45	77.45	Double	Non Electrified	42276	42283	60513	98884	110625	933016	1043641	516962	1604448	1198392	1198571
12	REWA - STA	48.55	48.55	Single	Non Electrified	7620	7620	27674	16500	202463	60305	262768	356346	157798	135399	135399

Sr. No.	Section	Route Kilometrage of the section		Single Line/ Double Line	Electrified/ Non- Electrified	GTKMs (incl. Wt of engine) of Coaching incl. prop. of Mixed per route Km per day		GTKMs (incl. Wt of engine) of Coaching & Goods combined incl. prop. of Mixed per route Kms per day		Net Tonne Kilometres (in 000s) Goods Service			Gross Tonne KMs including Weight of engine of Goods incl. prop. of Mixed (in 000s)		Gross Tonne KMs including Weight of Engine of Coaching incl. prop. of Mixed (in 000s)	
		UP	DN			UP	DN	UP	DN	UP	DN	UP&DN	UP	DN	UP	DN
13	KTE - BINA	262.81	262.81	Double	Electrified	21719	21133	158276	96837	8456259	2828663	11284922	13135174	7281861	2089078	2032789
14	KYCE-JKE	21.25	21.25	Single	Non Electrified	0	0	0	0	0	0	0	0	0	0	0
15	SGRL - KTE	260.05	260.05	Single	Non Electrified	3677	3680	37522	38877	1840058	1895332	3735390	3221281	3350035	350001	350234
Kota Division																
16	RMA-NAD	152.65	152.65	Double	Electrified	30695	30695	117896	115939	2976668	2910338	5887005	4871920	4762556	1714901	1714901
17	KOTA-RMA	72.32	72.32	Double	Electrified	33508	64789	118763	248850	1379002	2976668	4355670	2256637	4871920	886935	1714901
18	JLWC-RMA	25.8	25.8	Double	Electrified	93927	93927	338394	332907	1410432	1379002	2789434	2308457	2256637	886935	886935
19	GGC - KOTA	171.37	171.37	Double	Electrified	38992	38992	130243	124267	3487795	3266602	6754397	5723421	5348584	2445621	2445621
20	BXN - GGC	77.22	77.22	Double	Electrified	31086	31086	111867	101712	1396159	1220027	2616186	2283062	1996059	878576	878576
21	MTJ - BXN	75.41	75.41	Double	Electrified	24603	24603	105384	95229	1363434	1191430	2554864	2229549	1949272	679033	679033
22	RTA -KOTA	164.26	164.26	Single	Electrified	8385	8385	19846	61348	418298	1937571	2355868	689035	3184121	504084	504084
23	CNA - KOTA	158.25	158.25	Single	Non Electrified	6793	6793	12530	11433	192906	157426	350331	332304	268764	393476	393476



West Central Railway

Density Chart

2015-16

