



# Annual Report

## 2015-2016

MODERN COACH FACTORY, RAEBARELI



Ready Coaches



Annual Report  
2015-16

आधुनिक रेल डिब्बा कारखाना, रायबरेली MODERN COACH FACTORY, RAEBARELI



मैं 31 मार्च 2016 को समाप्त हुए वर्ष के लिए आधुनिक रेल डिब्बा कारखाना, रायबरेली के कार्य की रिपोर्ट अग्रेषित कर रहा हूँ।

I, forward herewith, the report on the working of Modern Coach Factory, Raebareli for the year ending 31<sup>st</sup> March, 2016.

(आलोक दवे)  
महाप्रबंधक

(Alok Dave)  
General Manager

सचिव  
रेलवे बोर्ड,  
नई दिल्ली।

The Secretary,  
Railway Board,  
New Delhi.



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## IMPORTANT STATISTICS

### Important milestones:

- Foundation stone laid by Honb'le MP/Raebareli Smt. Sonia Gandhi : Feb' 2007
- Commencement of land acquisition : Aug' 2007
- Preparatory construction work commenced : Feb' 2009
- Actual Construction of Factory started : May' 2010
- Commissioning of 33 KV Transmission Line : Jan' 2011
- Finishing & Furnishing shop work completed : April' 2011
- First Coach Furnished from shell supplied by RCF/KXH. : April' 2011
- Dedication of Factory to the Nation : Nov' 2012
- Foundation of Forged Wheel Plant in RCF/RBL : Oct' 2013
- Completion of Bogie shop : Feb' 2014
- Completion of Shell, Paint and Machine shops : Mar' 2014
- Completion of Administrative Building : Nov' 2014
- Commissioning of 132 KV MRS : Jan' 2015
- RCF, Raebareli Renamed (MCF), Raebareli : Dec' 2015

### **Achievements of Mechanical**

- Furnishing of 1<sup>st</sup> coach : April' 2011
- Furnishing of 1<sup>st</sup> LWSCZAC(Chair Car) : June' 2012
- Furnishing of 1<sup>st</sup> LWFCZAC(Ex. Chair Car) : July' 2012
- Furnishing of 1<sup>st</sup> LWACCW coach : Nov' 2012
- First Shell Assembly : July' 2013  
(Major sub assembly by RCF/KXH)
- Rolling out 100<sup>th</sup> coach : July' 2013
- Rolling out 200<sup>th</sup> coach : April' 2014
- Furnishing of 1<sup>st</sup> LWSCN coach : Sep' 2014
- First LHB Shell from (Raw Material Stage Onward ) : Aug' 2014
- Complete Bogie Assembly : Dec' 2014

- First Bogie Manufacture : Feb' 2015
- 100<sup>th</sup> Shell, Manufactured : June' 2015
- 1<sup>st</sup> LSCN Shell, Manufactured : July' 2015
- 100 Bogie Manufactured : Dec' 2015
- 300<sup>th</sup> LWACCN Coach Furnished : 16 Jan' 2016
- Rolling out 500<sup>th</sup> coach : Feb' 2016

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## General Administration



### The MCF Team



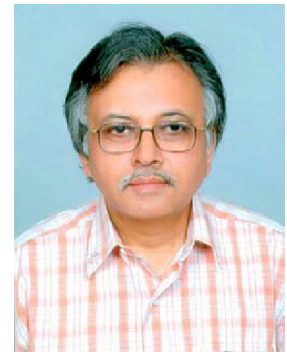
**Shri Alok Dave**  
General Manager



**Sh. D.K Agarwal CME**



**Sh. Harsh Kumar CAO**



**Sh. P C Sharma COS**



**Sh. P.C. Gupta CPLE**



**Sh. A.K.Srivastava CEE**



**Sh. A K Sharma CPM**



**Sh. Annop Kumar CDE**



**Sh. Ram Lal CMM**



**Sh. A.V.Kumar CME/IT**



**Sh. R.N.Toppo CWE/Fur**



**Smt. Renu Sharma CPO**



**Sh. O.P.Yadav FA&CAO**



**Sh. Rajesh Agarwal CE**



**H Ahmad FA & CAO/F&P**



**Sh. R.N. Meena CMM/P**



**Sh. R K Gupta CEDE**



**Sh. U. K. Sharma  
Secy to GM**

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**Sh. B. Venkateshwar Rao  
Sr. SC**



## PUBLIC RELATIONS & PUBLICITY

### 1.0 CELEBRATIONS

#### 1.1 Railway Week

MCF celebrated 60<sup>th</sup> Railway Week on 19.04.2015 in which about 136 staff, supervisors & officers were awarded for their meritorious performance during the year 2015-2016. Colourful cultural programme was also organized on this occasion.



#### 1.2 Independence Day

69<sup>th</sup> Independence Day was celebrated in RCF/RBL on 15.08.2015 with great enthusiasm. Cultural programme was held in the TTC auditorium on this occasion. Play school for the wards of employees of RCF/RBL was also inaugurated by GM on this occasion.



#### 1.3 Republic Day

67<sup>th</sup> Republic Day was celebrated on 26<sup>th</sup> January 2016 with full enthusiasm by MCF/RBL. National Flag Hoisting & inspection of Republic Day parade was done by GM/MCF/RBL Shri Alok Dave, followed by cultural program by MCF staff and their family members.



## 2.0 VISITS

- 2.1 Member Electrical Sh. Navin Tandon flagged off the 100<sup>th</sup> LHB shell Manufactured in RCF/RBL on 15.07.2015 during his visit to RCF/RBL.
- 2.2 Inauguration of automated storage and retrieval system in shell depot was done by Shri S.P. Piplani, Additional Member (Railway stores), Railway Board on 07.08.2015 during his official visit to RCF/RBL



## 2.3 Member Mechanical Visit to RCF

Inauguration of Robotic Side Wall & ASRS in Store Department by Member Mechanical, Railway Board- Hon'ble Member Mechanical Sh. Hemant Kumar inaugurated the Robotic Side wall any in Shell Shop and Automatic Storage Retrieval System in Furnishing Depot. During his visit to MCF/RBL On 16.01.16. Rail Coach Factory, Raebareli was also formally renamed as Modern Coach Factory, Raebareli and a plaque was unveiled.



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## Mechanical Department

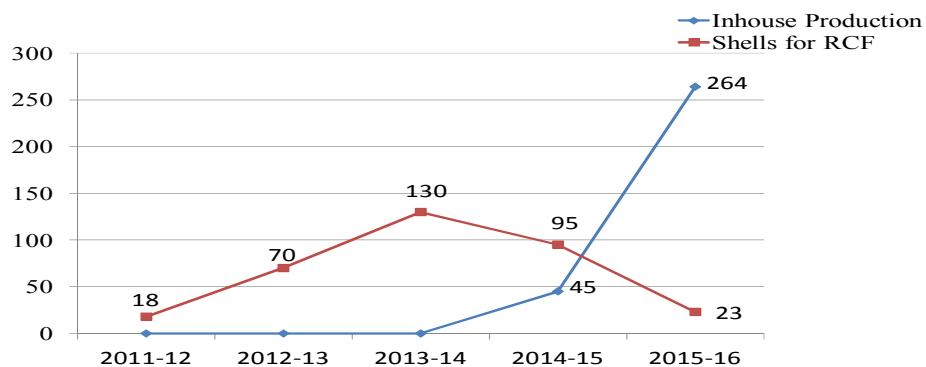
### Project Overview and History

Modern Coach Factory, Raebareli is being set up at a cost of about Rs. 3193 Cr. for producing state of the art, stainless steel coaches (LHB type) with annual capacity of 1000 coaches. This factory covers an area of 540 Ha land, which includes a modern, eco-friendly Township with need based social infrastructure for providing residential accommodation to employees.

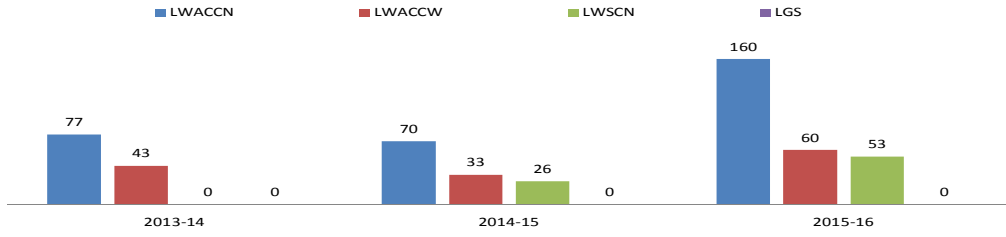
### Production

YEAR	SHELLS FROM RCF / KXH	SHELLS MANUFACTURED AT MCF/ RBL	OUTTURN
2011-2012	18	0	18
2012-2013	70	0	70
2013-2014	130	0	130
2014-2015	95	45	140
2015-2016	23	264	285

### Shell Production



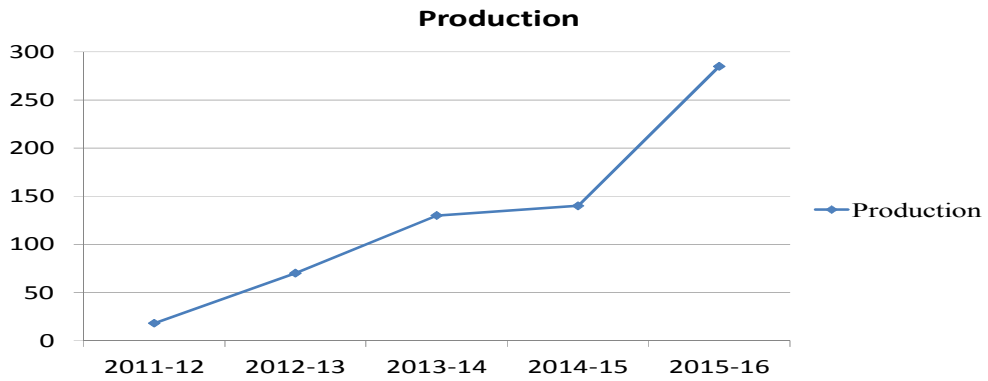
# Coach Variants



	2013-14	2014-15	2015-16
LWACCN	77	70	160
LWACCW	43	33	60
LWSCN	0	26	53
LS	0	0	0
LWLRRM	0	0	0

1

# Coach Outturn



7

## TARGET

Railway Board Target for 2016-17 : 625 coaches  
 Railway Board Target for 2017-18 : 645 coaches  
 Railway Board Target for 2018-19 : 730 coaches

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## Shell Shop

New works and achievements of shell shop during the year 2015-16 are as under.

### a) OUTTURN RELATED

- 1) Development of Under frames for ACCN, LSCN, GS and production of Under frames: 210 Nos.
- 2) Development of side walls of ACCN on SIS Line and production of Side walls: 253 Nos.
- 3) Development of Roof for ACCN on Bisiach & Carru, (spot welding lines) and production of Roofs: 239 Nos.
- 4) Development and Production of Shell Assemblies in-house including GS Coaches: 259 Nos.



Shell Assembly Line

### b) Other works done during the year are:

- 1) Under frame members were redesigned and used in fabrication in house, resulting into saving of 40 m of welding per under frame, resulting in improved structural strength and productivity.
- 2) SIS side wall automatic MIG welding line has been installed and trials inaugurated by Member Mechanical Railway Board, for 3T AC coaches.

## Bogie and Wheel Shop

New works and achievements of Bogie Shop during the year 2015-16 are as under:



Bogie Assembly Line

**a) OUTTURN RELATED**

- 1) Development and production of Bogie Side Frames in-house : 47.5 Coach Sets
- 2) Development and production of Bogie Bolsters in-house : 187.5 Coach Sets
- 3) Development and fabrication of Brake Beams in-house: : 42 Coach Sets
- 4) Bogie frames machining : 54 Coach Sets
- 5) Danobat Automated wheel line commissioned and wheels produced : 810 wheel sets
- 6) Bogie assembled and tested : 251 Coach Sets

**b) Other works done during the year are:**

- 1) 5-S management system has been successfully implemented in Bogie and wheel shop to the advantage of shop floor activities.
- 2) In-house repair of automated wheel line guided vehicle to reduce down time of wheel line.
- 3) Fixing of bogie number plate by special glue in place of welding.
- 4) Recording of spring data from tags, as sometimes these tags are misplaced & in absence of information printed/embossed on tags, such springs cannot be used.
- 5) Improving quality of bending of side frame upper & lower web on press brake with help of rotating fixture.
- 6) In house repairing of bolster pressing & procuring additional fixture.
- 7) Wheel shop outturn came to a standstill due to break down of shuttle car 2 on 11.03.16. Danobat gave a time line of 3-4 weeks for repairing the defective parts of shuttle car. There was nil production of wheels sets for 10 days. On obtaining clearance form M/s Danobat for repairing the defective part, MCF/RBL team made the defective shuttle car operational within three days.

## Furnishing

1. **Increase in out-turn:** During the 2015-16 furnishing of LHB coaches more than doubled in comparison to out-turn of previous year 2014-15.

Type of coaches	No. of coaches furnished during 2014-15	No. of coaches furnished during 2015-16	Difference
LWACCN	70	170	+ 100
LWACCW	40	66	+ 26
LWSCN	30	49	+ 19
<b>Total</b>	140	285	<b>+ 145</b>

2. **Innovations carried out:** The following innovations were carried out in furnishing shop during the year-

- i) **Manually Floor board cutting arrangement** was developed which helped a lot in case of failure of CNC vertical spindle moulding machine commissioned in carpentry shop.
- ii) **Template for alignment** of hose pipe between outlet of lavatory pan and housing of P-trap of bio-tank was developed during the year.

- iii) **Safety metal skids** were developed for stopping of unwanted movement of coaches standing on the track.
  - iv) **Pop Riveting of panels** in LWSCN coaches was carried out successfully.
3. **Swachh Bharat mission** was run by furnishing shop and fully implemented.
4. **Outsourcing of pipe bending** for Air Brake and Plumbing was done successfully and thus eliminated the dependency on other production unit.



**Furnishing Shop**

## Machinery & Plant

### (i) Availability of Key M&P

Description	2015-16 (Average)
EOT Cranes	100%
FLT	92%
Welding Plant	85%
Traversor	100%
Skin Tensioning M/C	100%
Shuttle Car	100%
Outdoor EOT	100%
Hydraulic Lifter	75%

### (ii) Working with minimum manpower #

Category of staff	Available
Mech. Staff	116
Electrical Staff	12
<b>Total</b>	<b>128 #</b>

# Available manpower is about 20% of RCF/KXH for same activities.

### (iii) Spares & consumables Planned and procured

	2015-16
Total indents submitted	264
Total PO Placed	214
Material received against PO	163

#### (iv) INNOVATIONS

1. **Bearing Puller-** EOT section has constructed a bearing puller which made it easy to dismantle the bearings of EOT cranes as well as other machines bearing.
2. **Sling Stand-** Made convenient to keep chain sling of different sizes and ease its maintenance.
3. **Bolt of RAM of Static Bogie Load Testing Machine-** Four bolt of RAM of the machine has broken out at the peak time of bogie production which held up the bogie testing work completely. M&P staff made the same very bolt and made the machine in working order due to which we were able to achieve the target of 2015-16.
4. **Repair of Shuttle Car of Wheel Shop-** At the peak time of production (Mid of Mar-2016), shuttle car got damaged badly, stopping the wheel production. At that difficult time, the maintenance gang did a great job and made the shuttle car in working condition.

## Design

In the FY 2015-16, Design Department was created with the posting of Dy.CME/Design in June 2015 and CDE/IT in August 2015. Till this time it was part of planning wing.

Following activities have been completed up to 31.03.2016.

1. All uneditable drawings in 2-D for all types of coaches in the production plan of 2016-17, 2017-18, all related PSLs and necessary data have been arranged from RCF and made available to all concerned departments in MCF.
2. 3-D Model of AC-2T and AC-3T shell has been developed and 50% work of 3-D model of FIAT bogie has been completed.
3. Functional requirements and specification for procurement of CAD and PLM software and hardware set up have been submitted to CRIS for procurement.
4. Open tender for procurement of 3 CAD workstations to augment existing capacity has been floated; the software and hardware so purchased will be adjusted against CRIS tender.
5. For implementation of IMS, consultancy contract has been entered with M/s Allied Boston Delhi and work has been started with certification target of Sept 2016.
6. Drawings for prototype manufacture of Sole Bar, Roof Flange, Carline, Roof Sheet, trough floor, integrated flange in single length by CRF method were developed and given to Planning for procurement.
7. Drawings for prototype manufacture of single piece side wall sheet were given to planning for trials.
8. Paddle operated dust bin drawings have been developed and submitted to planning for prototype procurement.
9. Conceptual design of bio tank in LLDPE material was developed and showcased in JWG meeting on IR-DRDE technology based bio-toilet system and has been accepted by the JWG for further development, validation and implementation.

## HUMSAFAR

- 5 Rakes (20 LWACCN + 2 LWLRRM) assigned to MCF
- Equipped with :
  - ❖ Pleasing exteriors & interiors.
  - ❖ GPS based PIS
  - ❖ PA system
  - ❖ Fire & Smoke detection and suppression system.
  - ❖ CCTV system

Mock-up for interiors prepared:



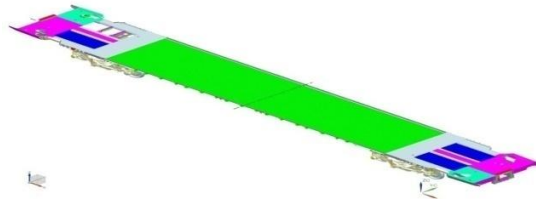
## ANTYODAYA EXPRESS

- 2 Rakes (22 LWS + 2 LWLRRM) assigned to MCF
- **Equipped with :**
  - ❖ Pleasing exteriors & interiors.
  - ❖ Cushioned luggage rack (upper berth)
  - ❖ Hand holding in doorways
  - ❖ MU cables in coaches with Locos at both ends
  - ❖ Vestibule ends
  - ❖ Water Purifiers
  - ❖ Enhanced mobile charging points
  - ❖ Bio toilets
  - ❖ Target: 1<sup>st</sup> rake in Jan' 2017, 2<sup>nd</sup> rake in Feb' 2017.
  - ❖ Design detailing completed and provided to ICF & RCF as per Railway Board directives.
  - ❖ Air spring Bogies prototype planned for Sep' 2016.
  - ❖ MCF manufactured Power Car (LWLRRM) to be used.

## PROJECT FOR IMPROVING THERMAL INSULATION OF AC COACHES

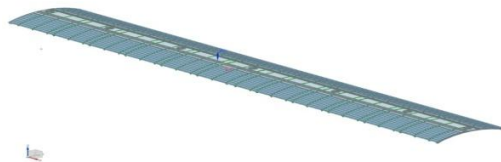
- Jointly undertaken with M/s 3M India and RDSO to “Reduce energy consumption in AC coaches”
- Solutions :
  - ❖ Heat reflective coating for coach roof.
  - ❖ Solar heat reduction film for window glass
  - ❖ Improved insulating material for Ceiling, Sidewall and Flooring
- Trials being conducted on LWACCN coaches:
  - ❖ Reference coach
  - ❖ Coach with roof coating
  - ❖ Coach with window film
  - ❖ Coach with improved insulating material
  - ❖ Coach with all three solutions
- Trials planned for Aug/Sep’16.

**Stainless Steel Under frame-** SS used in Cross members, Sole bar:



- Garnet blasting will be eliminated
- Design prepared
- Cleared by RDSO
- Cleared by ISSDA
- Material procurement for 20 Under frame in progress

**CRF components for LHB variants-** Trough floor, Sole bar, Carline , Roof sheet, Roof flange :



- Design prepared
- Eliminate welding & forming
- Reduced Man-hours & Consumables
- Improved productivity, Finish & reduced cycle time
- Cost saving to the tune of 15%

**Design of Bio- Retention tank of LLDPE/polymer material:** Developed by MCF and accepted by JWG. Procurement through store for implementation is under process.

**Benefits:**

- Maintenance friendly-Ball valve mechanism & P-Trap is disengaged from Bio tank, independently mounted on Under frame.
- Easy mounting/dismounting for maintenance/cleaning.
- Reduced weight (45 Kg. lighter) - hence safer
- Economical
- Retrofittable.
- Recyclable, hence environment friendly – can be replaced after 3/6 years



**Provision of Water purifier system in non-AC coaches**

**Water Purifier System fitted in LWSCN coach**



**Lavatory module fitment trial in Non-AC coaches.**



**FRP Lavatory module fitted in LWSCN coach.**

## STATUS OF IMPORTANT BOARD MONITORED ITEMS

- **Bio Toilet-** Bio Toilet fitment on all coaches commenced from Nov' 15.
- **Braille Stickers-** Fitment commenced from Jan' 16 onwards.
- **IMS Certification-** Consultant has been appointed. Expected date for obtaining IMS certification is September' 2016.

## Safety

S.No	Description	Renewal Done	Next Due Date
1.	Renewal of Factory License	01.01.2016	31.12.2016
2.	Yearly LPG Bullet Tank SRV Testing	31.10.2015	31.10.2016
3.	LPG Bullet License Renewal	13.04.2015	31.03.2016#

### Occupational Health & Safety Activities carried out

S.No	Activities	2015-16	
		Sessions	Staff Attended
1.	Counselling/Pep-talk to inculcate safety consciousness and awareness among MCF/RBL staff at shop floor.	30	430
2.	Counselling/Pep-talk to inculcate safety consciousness and awareness among contractor/firm's staff at shop floor.	06	154
3.a.	Safety classes of App. Tech-III at TTC on topic 'General Safety'	10	71
b.	Safety classes of App. Tech-III at TTC on topic 'Industrial Safety'	09	76
c.	Safety classes of App. Tech-III at TTC on topic 'Fire Safety'	07	85
4.	Orientation Training for newly recruited Group-D staff: General Safety, Industrial safety, Fire Safety	13	129
5.a.	Practical training/fire fighting (Tech-III)	06	150
b.	Practical training/fire fighting (Group-D)	06	129

### Other Activities of safety wing

1. AMC of 704 nos. Fire extinguishers as per IS 2190.2010 has commenced from 15.09.15 for one year.
2. Service contract for 18 nos. Fire fighting personnel for two years started on 19.01.16.
3. Procurement and installation of 718 nos. of safety Posters from National Safety Council, Mumbai at workshop premises has been completed.
4. Design, development and installation of safety signage at various locations in workshop premises have been done.
5. Renewal of factory license has been done & valid up-to 31.12.16 and LPG licence renewal is in process.

6. Conducted fire Mock Drill on 15.04.16 behind Furnishing Store-I. In this Mock Drill 22 staffs including DMS/CDMS and officers of Store were present.
7. Safety Audit was conducted in April 2016 for entire workshop premises including different stores & shops of MCF/RBL.

S. No.	Activities	2015-16	
		Sessions	Staff Attended
1.	Counselling/pep-talk to inculcate safety consciousness and awareness among MCF/RBL staff at shop floor.	30	430
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2. a	Safety classes of App. Tech-III at TTC on topic 'General Safety'	10	71
b	Safety classes of App. Tech-III at TTC on topic 'Industrial safety'	09	
c	Safety classes of App. Tech-III at TTC on topic 'Fire Safety'	07	
4.	Orientation Training for newly recruited Group "D" staff: General Safety, Industrial safety, Fire Safety	13	129
5. a	Practical training/fire fighting (Tech-III)	06	150
b.	Practical training/fire fighting (Group "D")	06	129
6.	Safety classes of MCF/RBL employees on topic of 'shunting procedure'	Nil	-
7.	Safety classes of MCF/RBL employees on topic of 'EOT crane operation'	Nil	-
8.	Basic training & certification course for operators of Powered Industrial Trucks (Forklifts) at TTC	08	95
9.	Safety seminar	Nil	Administration of safety & health pledge by the employees. Emergency/fire mock drill.
10.	No. of injuries/accidents reported	27	26
	Man days lost	482	606.5
	Coach production	140 coaches	285 coaches

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## Electrical

### 1.0 GENERAL

Electric Power supply at 132 KV is received at MCF Raebareli Main Receiving Sub-Station (MRS) through a dedicated transmission line from UPPCL Grid Substation at Bachhrawa (about 41 KM from MCF). At MRS, 132 KV supply is stepped down to 11 KV with the help of two Power Transformers of 12.5 MVA each (viz TR-I & TR-II). At any instance, only one of the Transformers feeds the Power Supply and other acts as stand by.

Electrical Power supply at 33 KV is also received at MCF Raebareli Power House through a dedicated transmission lines from UPPCL Substation at Dalmau (about 17 KM from MCF). 33 KV supply is further stepped down to 11 KV with the help of a 10 MVA Transformer. This acts as standby supply.

Stepped-down supply from Transformers is fed to 11 KV panel at MRS. 04 Nos. DG sets of 1010 KVA capacity are working at MRS as backup in case of supply failure/ maintenance work of switch yard etc. at MRS.

2 MW Solar Power Plant: A 2MW Grid connected Solar Power Plant has been installed and is in operation. Four nos of 500 kw inverters convert power from solar array from 720 V DC to 350 V 50 Hz AC which is then fed to compact substation to get 11 KV power Supply which is in turn fed to MRS main bus bar.

11 KV supply is distributed to 10 Auxiliary Sub-Stations( for factory and allied activities) and 10 Compact sub stations (for township etc) through Ring main systems, where it is further stepped-down to 415 V through 750 KVA, 11 KV/415 V transformers for feeding to various Shops, MCF Colony, Administrative Building, Service Buildings, Pumps etc. through LT panels at Sub-Stations.

### 2.0 ENERGY STATISTICS AT MCF (2015-16)

a)	Total Connected Load at MCF	20,610KW
b)	Contracted Demand	3,000KVA
c)	Standby DG Sets Capacity	4,040 KVA
d)	Units Consumed During The Year 2015-16	132 Lakh Units
e)	Payment made to UPPCL	Rs 8.34 Crore
f)	Average cost of electricity per unit purchased from UPPCL	Rs 8.20/-

### 3.0 ENERGY CONSERVATION MEASURES

MCF/RBL is a green field project built on philosophy of using environmentally suitable technology including manufacturing process and use of energy efficient devices with focus on Non conventional energy and green buildings. MCF has taken several steps for energy conservation during the year as under:

- **2 MW Solar Power Plant**

27.99 lakh unit generated by 2 MW Solar Power Plant attaining saving of Rs 1.98 crore approx 2015-16.

- **Solar Street Lights**

510 No. Solar Street Light with 15 W LED lamps have been provided which has resulted in saving of Rs.4.68 Lakhs.

- **LED Based Street Lights**

2169 No. 45/60 W LED lamps have been provided which has resulted in savings of Rs.36.5 Lakhs.

- **Cool Day Light**

810 No. cool day light in the factory area attained savings of Rs.27.9 lakhs in the year.

## **MAJOR ACHIEVEMENTS**

- ❖ 285 coaches successfully completed in 2015-16.
- ❖ Specific energy consumption reduced from 64270 in 2014 to 31769 per equated coach units in 2015.
- ❖ 132/11 KV MRS commissioned in 2015-16.
- ❖ DG backup of 1010x4 KW was also commissioned.No major power supply interruption in 2015-16.
- ❖ Sanction obtained for load enhancement from 2000 KVA to 3000 KVA from UPPCL during 2015-16.
- ❖ Average 7800 units per day had been generated from Solar Power Plant in 2015-16 against 6500 units per day in 2014-15.
- ❖ Distribution of 9000 LED lamps arranged in energy conservation week of December during 2015-16.
- ❖ Provision of Capacitor Bank-  
Provision of Capacitor Bank to improve power factor in LWACCN and LWACCW coaches has been started at MCF/RBL.
- ❖ Readymade Set of Aluminium Pipes-  
Specification for readymade set of Aluminium pipes has been prepared for procurement of Aluminium pipes in a set.



**Store Department**

**Total Value of stores purchased during 2015-16**

**PROFORMA-I**

**(Rs. In Crores)**

Sr. No.	Item	Value
A	Imported Direct	13.72
B	Imported Stores Purchased in India	0.21
C	Stores Purchased from PSUs	26.55
D	Khadi Purchase	0.24
E	Stores purchased from Cottage & SSI units	277.36
F	Other indigenous	189.10
	Total	507.18

**Total Value of stores purchased during 2015-16**

**PROFORMA-II**

**(Rs. In Crores)**

Sr. No.	Item	Value
A	Stores for operation/repair & maintenance	0
B	Stores for construction	0
C	Fuel	0
D	Components/Stores purchased for manufacture of complete rolling Stock and complete units of Rolling Stock.	507.18
	Total	507.18

**Total Value of stores purchased during 2015-16**

**PROFORMA-III**

**(Rs. In crores)**

Sr. No.	Item	Value
A	Through Department of Supply (DGS&D)	3.15
B	Through Railway Board	16
C	Direct Purchased made by Railway/PU	488.03
	Total	507.18

## VALUE OF STORES PURCHASED DURING 2015-16

(Rs. In Thousand)

SN	Heading	Value of Stores Imported Direct				Value of Imported Stores Purchased in India				Value of Stores Manufactured in India or Indignep				G. Total
		Stock	Non-Stock	Consstn Work	Total	Stock	Non-Stock	Consstn Work	Total	Stock	Non-Stock	Consstn Work	Total	
1	Steam Loco parts and fitting	0	0	0	0	0		0	0	0	0	0	0	0
2	Diesel loco parts and fittings	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Electirc loco parts and fittings	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Carriage,wagon, EMU parts and fittings	137208	0	0	137208	2140	0	0	2140	4732176	0	0	4732176	4871524
5	Electrical Stores	0	0	0	0	0	0	0	0	13764	0	0	13764	13764
6	Signal and Tele-com. Stores	0	0	0	0	0	0	0	0	0	0	0	0	0
7	P.Way material, track, tools etc	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Engg. Stores covering bldg. Material etc.	0	0	0	0	0	0	0	0	0	1753	0	1753	1753
9	Abrrasive tools, hardware etc.	0	0	0	0	0	0	0	0	13337	0	0	13337	13337
10	Brushes, brushware etc.	0	0	0	0	0	0	0	0	115	0	0	115	115
11	Indian rubber, leather canvas etc	0	0	0	0	0	0	0	0	21888	0	0	21888	21888
12	Electrode &welding accessories	0	0	0	0	0	0	0	0	17976	0	0	17976	17976
13	Paints, enamels & varnishes	0	0	0	0	0	0	0	0	1477	0	0	1477	1477
14	Crockery, cutlery & naperly	0	0	0	0	0	0	0	0	0	79	0	79	79
15	Cloth, clothing & personal equipment	0	0	0	0	0	0	0	0	6073	0	0	6073	6073
16	Petroleum products other than fuel oil	0	0	0	0	0	0	0	0	1813		0	1813	1813
17	Refractories, packing material etc	0	0	0	0	0	0	0	0	3423	0	0	3423	3423
18	Ball & Rollar bearings	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Genl. Stores covering acids chemicals etc	0	0	0	0	0	0	0	0	20575	0	0	20575	20575
20	Stationery forms etc.	0	0	0	0	0	0	0	0	3684	0	0	3684	3684
21	Metal ferrous	0	0	0	0	0	0	0	0	81890	0	0	81890	81890
22	Metal non-ferrous	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Fuel-cock, coil etc.	0	0	0	0	0	0	0	0	0	0	0	0	0
24	fuel-oil	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Timber	0	0	0	0	0	0	0	0	3132	0	0	3132	3132
26	Scrap	0	0	0	0	0	0	0	0	9345	0	0	9345	9345
27	Rolling Stock complete units & stores	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	137208	0	0	137208	2140	0	0	2140	4930668	1832	0	4932500	5071848

ANNEXURE-III  
STATEMENT NO 39-A

Stores Transaction during the year 2015-16

(Rs. In Thousand)

Headings	Opening balance (at the beginning of the year 2015-16)	Receipts during the year 2015-16)	Issues during the year 2015-16)	Closing balance (at the end of the year 2015-16)
Stream loco parts and fittings	0	0	0	0
Diesel loco parts and fittings	0	0	0	0
Electric loco parts and fittings	0	0	0	0
Carriagel, wagon, EMU parts and fittings	619397	4871524	4784124	706797
Electric stores	3966	13764	11293	6437
Signal and Tele-com stores	0	0	0	0
P.Way material, track, tools etc.	0	0	0	0
Engg. Stores covering bldg. Material etc	2162	1753	869	3046
Abrasive tools,hardware etc,	9009	13337	4145	18201
Brushes, brushware etc.	352	115	172	294
India rubber, leather canvas etc.	12963	21888	25653	9198
Electordes & welding accessories	1540	17976	12421	7095
Paints,enamels & varnishes	1153	1477	2010	620
Crockery, cutlery & napery	30	79	45	64
Cloth,clothing & personal equipment.	3602	6073	5893	3782
Petroleum products other than fuel oil	33	1813	484	1362
Refractories, packing material etc.	2016	3423	5352	88
Ball & roller bearings	0	0	0	0
Genl. Stores covering acids, chemicals etc.	834	20575	19576	1833
staionery forms etc.	476	3684	1600	2560
Metal ferrous	4721	81890	42424	44187
Metal non-ferrous	51	0	13	13
Fuel-coke, coal etc.	0	0	0	0
Fuel-oil	0	0	0	0
Timber	2339	3132	3090	2382
Scrap	5935	9345	10070	5210
Rolling Stock complete units 7 stores	0	0	0	0
<b>Total</b>	<b>670579</b>	<b>5071848</b>	<b>4929234</b>	<b>813169</b>
Adjustments	-8.92	8.92	0	0
<b>Grand total as per App. Account</b>	<b>670570</b>	<b>5071857</b>	<b>4929234</b>	<b>813169</b>

Dy. FA&CAO/Stores

Dy. CMM/EL

**Annexure IV**  
**STATEMENT NO. 39 B**

**Summary statement of Stores transactions during 2015-16**

**(Rs. In Crores)**

39(B)- Summary Statement of Stores transactions on Govt. Railway in 5015-16

Opening bal. At the beginning of the yr.				Trans. Of Phy. Stock		Closing bal. At the end of the year			
Phy. Bal without adjustments (7160)	Adjustments (7100)	Balance under (7100 to 7150)	Total stores (7100 to 7160)	Receipts	Issues	Phy. Bal without adjustments (7160)	Adjustments (7100)	Balance under (7100 to 7150)	Total stores (7100 to 7160)
1	2	3	4	5	6	7	8	9	10
51.33	-6.45	6.53	51.41	507.18	492.9 2	57.47	0.00089258	-37.69	19.78
<b>Dy. FA&amp;CAO/Stores</b>				<b>Dy. CMM/EL</b>					

\*\*\*\*\*



## Accounts

### 1.0 PROJECT

The project estimate was originally sanctioned under Capital 4200 ( Raebareli – setting up of new Modern Coach Factory) at the cost of Rs.2556.84 crore which has been revised to Rs.3192.00 crore vide letter no. 2001/M(W)/964/4 dated 21/05/2001.

The total expenditure under final heads for fixed assets and M&P is Rs.2342.89 crore upto March, 2016. This includes expenditure incurred on project cost of RCF (Capital) 4200) and Machinery & Plant (Cap -4100),

The Closing balance of floating assets (Inventories Cap-7100, Cap-7200 and Cap-7300) is Rs.177.46 crore. The break-up of fixed and floating assets is as under :-

(Rs. in crore )

I. Fixed Assets		Break up of Fixed Assets by important categories: -	
		Fixed Assets	Amount
a) Project Township	193.07	Preliminary Expenditure	4.77
b) W/s. & Offices	2149.82	Land	46.72
Total Fixed Assets (a+b)	2342.89	Buildings and Other Structural Engg. Works including Road & Permanent way	1109.21
II. Floating Asset		Machinery and Plant	
a) Stores Suspense	65.25	Electrical Installation	1172.98
b) W/s. Mfg. Suspense	112.17	General Charges	9.21
c) Misc. Adv. Cap.	0.04		
Total Floating Assets [a+b+c]	177.46	Total Fixed Assets	2342.89
Total Assets (Fixed & Floating)	2520.35		

**2.0 STATEMENT SHOWING DEPRECIATION RESERVE FUND ACCOUNT FOR AND TO END OF THE YEAR 2015-16**

			(Fig. in units of Rs.)
SNO.	PARTICULARS	AMOUNT	
1	Opening balance	Nil	
2	Appropriation during the year 2015-16	Nil	
3	Interest during the year @ 5%	Nil	
4	Total (2+3)	Nil	
5	Expenditure on renewals & replacements during the year 2015-16	Nil	
6	Net Accretion to the fund during the year 2015-16 (4-5)	Nil	
7	Closing balance (Col.1+6)	Nil	
Details of Grant for 2015-16			
	Original Grant	2421000	
	Supplementary	0	
	Residual	0	
	Final Grant	0	

**3.0 STATEMENT SHOWING PENSION FUND ACCOUNTY FOR AND TO END OF THE YEAR 2015-16**

(Fig. in units of Rs.)

SNO.	PARTICULARS	AMOUNT
1	Opening balance	Nil
2	Appropriation to fund during the year 2015-16	Nil
3	Transfer from contribution of PF	Nil
4	Interest on fund balance @5%	Nil
5	Total (2+3+4)	Nil
6	Withdrawals during the year 2015-16	Nil
7	Net accretion during the year 2015-16 ( 5-6)	Nil
8	Closing balance (1+7)	Nil

Details of	Amount of Grants
Grants for	for 2015-16
2015-16	
Original Grant	Nil
Supplementary	0
Grant	
Residual	0
Final Grant	Nil

## MANUFACTURING SUSPENSE ACCOUNT FOR THE YEAR 2015-16

(In Unit of Rs')

PARTICULARS	DEBITS	PARTICULARS	CREDITS	DEVELOPME NT
(A) TO opening balance work in progress	1470982129	TRF.To Railways Supply of Coaches.	6498646528	NIL
(B) TO LABOUR				
Direct Lab.(W.Shop)	166922114			
Indirect Lab.(W.Shop)	112819271			
Work Contract	85486684			
Salary & Allow.(ADM)	334335346			
Salary & Allow.(SOH)	23655605			
Sallary & Allow.(TOH)	51388100			
TOTAL (B)	774607120			
(C) TO STORE				
Store DIR from Stock	4781296153			
Indirect Store-(FOH)	63814181			
Indirect Store-(AOH)	953992			
Indriect Store-(SOH)	0			
Indirect Store-(TOH)	0			
Adjustment	20258839			
TOTAL (C)	4866323165			
(D) TO DDO				
DDO Store	131732788			
DDO-(FOH)	28717187			
DDO-(AOH)	73023735			
DDO-(SOH)	29935617			
DDO-(TOH)	5848213			
TOTAL (D)	269257540			
(E) MISC.Charges				
Adjustment (FOH)	2262107			
Adjustment (AOH)	1186082			
Adjustment (SOH)	9916175			
Adjustment (TOH)	110			

MISC.Adjustment	135514038			
APPN.To Pension	0			
APPN.To DRF	0			
APPN.To SBF	2156800			
Electricity (Power)	85588188			
Frieght Indirect	9798430			
Excise Duty	83945172			
Stock Adjustment	NIL			
LD/PROFIT	-3507934			
Receipt On Rent/Water	-3215306			
Receipt On Elect.				
<b>TOTAL (E)</b>	<b>323643862</b>			
(F) RETURNED STORE	-26496683			
Boggi Off Cuts/Scrap	0			
<b>TOTAL (F)</b>	<b>-26496683</b>			
(G) OUTLAY To WMS	0			
<b>TOTAL (B+C+D+E+F+G)</b>	<b>6207335004</b>	<b>TOTAL CREDITS</b>	<b>6498646528</b>	<b>NIL</b>
		By Closing Balance	1179670605	NIL
		Dev.Suspense	NIL	
<b>TOTAL WMS</b>	<b>7678317133</b>			
Development Suspense	NIL			
<b>GRAND TOTAL</b>	<b>7678317133</b>	<b>GRAND TOTAL</b>	<b>7678317133</b>	<b>NIL</b>

**STATEMENT No. 39-A**

**STORE TRANSACTIONS DURING THE YEAR 2015-16**

		(figs. In thousands of Rs.)			
Sr. No.	Description	Opening Balance in the beginning of the year (2015-16)	Receipt during the year (2015-16)	Issues during the year (2015-16)	Closing Balance at the end of the year (2015-16)
1	Steam loco parts & fittings	0	0	0	0
2	Diesel loco parts & fittings	0	0	0	0
3	Elect.loco parts & fittings	0	0	0	0
4	Carriage & wagons,EMU parts&fittings	619397	4871524	4784124	706797
5	Electric stores Signals & telecommunication	3966	13764	11293	6437
6	stores	0	0	0	0
7	P.way material tracttools & bridge work	0	0	0	0
8	Engineering stores covering	2162	1753	869	3046

	building				
9	Abresives,tools hardware etc.	9009	13337	4145	18201
10	Brushes,brushware etc.	352	115	172	294
11	India rubber leather canves	12963	21888	25653	9198
12	Electrodes and welding accessories	1540	17976	12421	7095
13	Paints,enamels and varnishes	1153	1477	2010	620
14	Crockery,sutlery & nappery	30	79	45	64
	Cloth,clothing & personal				
15	equipment	3602	6073	5893	3782
16	Petrolium products other than fuel	33	1813	484	1362
17	Refractories packing material etc.	2016	3423	5352	88
18	Ball and roller bearings	0	0	0	0
	Genral stores covering acids				
19	chemical, drugs, pharmaceauticals, other misc. store as fire fighting equipment	834	20575	19576	1833
20	stationery forms etc.	476	3684	1600	2560
21	Metal ferrous	4721	81890	42424	44187
22	Metal nonferrous	51	0	13	13
23	Fuel-coal/coke etc.	0	0	0	0
24	Fuel-oil	0	0	0	0
25	Timber	2339	3132	3090	2382
26	Scrap	5935	9345	10070	5210
27	others stores	0	0	0	0
	SUB TOTAL	670579	5071848	4929234	813169
	ADJUSTMENTS *	-8.92	8.92	0	0
	GRAND TOTAL (as per Appropriation A/c)	670570	5071857	4929234	813169

\* Adjustment includes balance under 7110 to 7150 and 7170 to 7190.



STATEMENT No. 39-B

SUMMARY STATEMENT OF STORES TRANSACTIONS DURING 2015-16

(` in Crores)

39(B)- SUMMARY STATEMENT OF STORES TRANSACTIONS ON GOVT. RAILWAYS IN 2015-16

Opening bal.at the beginning of the year		Trans. of Phy. Stock				Closing bal. At the end of the year			
Phy. Balance		Balance				Phy. Balance		Balance	
without	Adjustments	Balance under	under	Receipts	Issues	without	Adjustments	Balance under	under
adjustments (7100)		(7110 to 7150)	(7100 to			adjustme	(7100)	(7110 to 7150)	(7100 to
(7160)			7160)			nts			7160)
1	2	3	4	5	6	7	8	9	10
51.33	-6.45	6.53	51.41	507.18	492.92	57.47	.00089258	-37.69	19.78



**Statement- 38(B)**

**Stores purchased through different agencies and modes  
of procurement, for the year 2015-16  
Total Value of Stores Purchased During 2015-16  
Proforma-I**

		( ` in Crores)
S.No.	Item	Value
A	Imported Direct	13.72
B	Imported Stores purchased in India	0.21
C	Stores purchased from PSUs	26.55
D	Khadi purchase	0.24
E	Stores purchased from cottage & SSI units	277.36
F	Other indigenous	189.10
	<b>Total</b>	<b>507.18</b>
	Total Value of Stores Purchased During 2015-16	
	Proforma-II	
		( ` in Crores)
S.No.	Item	Value
A	Stores for operation/repair & maintenance	Nil
B	Stores for construction	Nil
C	Fuel	Nil
	Components/Stores purchased for manufacture of complete	
D	Rolling Stock and complete units of Rolling Stock	507.18
	<b>Total</b>	<b>507.18</b>
	Total Value of Stores Purchased During 2015-16	
	Proforma-III	
		( ` in Crores)
S.No.	Item	Value
A	Through Department of Supply (DGS&D)	3.15
B	Through Railway Board	16
C	Direct purchase made by Railway/PU	488.03
	<b>Total</b>	<b>507.18</b>

**Statement- 38(B)**  
**Stores purchased through different agencies and modes of procurement , for the year 2015-16**  
**Total Value of Stores Purchased During 2015-16**  
**Proforma-I**

(Rs. in Crores)		
S.No.	Item	Value
A	Imported Direct	13.72
B	Imported Stores purchased in India	0.21
C	Stores purchased from PSUs	26.55
D	Khadi purchase	0.24
E	Stores purchased from cottage & SSI units	277.36
F	Other indigenous	189.10
	Total	507.18
	Total Value of Stores Purchased During 2015-16	
	Proforma-II	

(Rs. in Crores)		
S.No.	Item	Value
A	Stores for operation/repair & maintenance	Nil
B	Stores for construction	Nil
C	Fuel	Nil
	Components/Stores purchased for manufacture of complete	
D	Rolling Stock and complete units of Rolling Stock	507.18
	Total	507.18
	Total Value of Stores Purchased During 2015-16	
	Proforma-III	

(Rs. in Crores)		
S.No.	Item	Value
A	Through Department of Supply (DGS&D)	3.15
B	Through Railway Board	16
C	Direct purchase made by Railway/PU	488.03
	Total	507.18

**TOTAL NO. OF COACHES AND TRANSFER PRICE OF COACHES  
DURING THE YEAR 2014-15 & 2015-16**

(Fig. in crore )

Sr. No.	Type of Coaches	Production of Coaches for 14-15	Transfer Price for 14-15	Production of Coaches for 15-16	Transfer Price for 15-16
1	LWACCW(2nd AC)	33	88.11	60	147.01
2	LWACCN(3d AC)	70	192.16	160	414.19
3	LWSCN(Sleeper)	26	49.57	53	88.64
	<b>Total</b>	<b>129</b>	<b>329.84</b>	<b>273</b>	<b>649.84</b>

VALUE OF COACHES MANUFACTURED FOR RAILWAYS FROM 2011-12 ONWARD.

(In Thousand of Rs.)

Sr. No	Year	Furnished Coaches	Actual Cost
1	2011-12	18	499031
2	2012-13	70	1724967
3	2013-14	120	3377001
4	2014-15	129	3298454
5	2015-16	273	6498647
	<b>Total</b>	<b>610</b>	<b>15398100</b>





BALANCE SHEET AS ON 31-3-2016

(' .in units)

LIABILITIES					ASSETS					
PARTICULARS	BALANCE				PARTICULARS	BALANCE				
	As on 31st March 2015		As on 31st March 2016			As on 31st March 2015		As on 31st March 2016		
	DETAILS	TOTAL	DETAILS	TOTAL		DETAILS	TOTAL	DETAILS	TOTAL	
1	2	3	4	5	6	7	8	9	10	
1 Total Investment as in the Statement of Block Account		0	22054577082	0	25203506436	1 Fixed & Floating Assets as in the statement of Block Account	0	22054577082	0	25203506436
2 Sundry Creditors :-					2 Cash in hand (Imprest)	0	73500			94000
A. Provident & Other Funds :-					3 Sundry Debtors :-					
i) General Provident Fund		0		0	A					
ii) State Rly. Provident Fund					i) F- Loans & Advances to Rly					
Contb. (New Pension Scheme)		0		0	Employees & Passage Advances.	0	390000	0	1064709	
iii) State Rly. Provident Fund Non-Contributory.		7,46,15,298		121206438	ii) Other Departmental Advances	0	0		0	
iv) Indian Rly. Conference Association Employees					iii) Advance to Port & Coustoms					



B. Misc. Deposits :-					(Vide item 2(A), 3 & 4(I) per				
I) Security Deposits of					contra less item 4 above.	0	74615298	0	121206438
Subordinates			0	6	Reserve Fund Investment Account				
ii) Security Deposits of Contractors & Others.	0		0	7	a) Accounts with states.	0	0	0	0
iii) Contribution for works done for Private Persons and Public Bodies.	0		0	8	b) Accounts with central Govt./ Civil.				
iv) Unpaid Wages	0		0		Account with the Govt.of Pakistan Railways.	0	0	0	0
v) Sums Due to Contractors.	0		0	9	Account with the Govt.of				
vi) Net earning of working lines.	0		0		Pakistan/Civil.	0	0	0	0
vii) Misc.	0		0	10	Adjusting Account with Posts &				
viii) Capital Deposited by Branch line companies.	0		0	11	Telegraphs. Adjusting Account with Defence.	0	0	0	0
ix) Trust Interest Account.	0		0	12	Account with the Govt.of				
x) Accounts with Reserve Bank	0		0		Bangladesh.	0	0	0	0
xi) Remittance into Bank.	0		0	13	Balance in transfer.	0	0	0	0
xii) Cheques & Bills.	381636658		-371376121	14	Loss	0	0	0	0
xiii) Other Deposits-Company's Outstanding Liabilities of F.Rly.	0		0						
xiv) P.A.O.Suspense.	0		0						
P.S.B. Suspense.	0		0						
xv) Fine Forfeiture Account.	0		0						
xvi) Payment on a/c of SRPF/CPF in advance of cash credits to be recovered from Pakistan.	0		0						
xvii) Pmt. on behalf of Central Claims Organisation Pension & PF	0		0						

xviii) Decretal court deposits.	0		0
xix) Other Transactions	0		0
xx) Addl. DA Deposit Susp. A/c.	0		0
xxi) Addl. Wages Deposit Susp. A/c.	0		0
xxii) Unclaimed PF deposits	0		0
xxiii) A.G. Suspense account.	0		0
xxiv) Rly. Emp. Insurance Scheme	0		0
xxv) Central Govt. GIS	454560		687132
xxvi) Demands Payable.	0		0
Sub Total		382091218	

-370688989

3. I) Depreciation Reserve Fund.		0	0	0	
ii) Rly. Development Fund.	0	0	0	0	
iii) Railway Pension Fund.	0	0	0	0	
iv) ACS&PA Fund	0	0	0	0	
Sub Total	0	0	0	0	0
4 Revenue Reserve Fund :-					
I) Cash Balance	0	0	0	0	0
ii) Investment	0	0	0	0	0
5.1) Balance due to Central Govt. for Loans & Advances to Rly. Employees etc. (vide					

item 3 a) I) per contra.	390000	1064709	0	0
ii) Other Advances (vide				
item 3 a) ii) per contra).	0		0	0
iii) Adv. to Port & customs Authorities				
vide item 3 (a)(v) per contra.	0	0	0	0
iv) Advances to Railwaymens				
cosumers Co-op. Societies				0
(vide item 3 (a) ( iv) per contra).	0	0	0	0
v) Advances to Families of the				
deceased who died in service				

(vide item 3 a) v) per contra).	0	0	0	0
Sub Total	390000	1064709	0	0
6 Balances in transfer	0	0	0	0
7 Balance of Amount in Account with Govt.etc.	94000 73500	94000	0	0
8 Profit	0	0	0	0
GRAND TOTAL	22511747098	24955182594	22511747098	24955182594

Certified that the figures given in the Balance Sheet against each head agree with those reflected in the Final Account Current.

**BREAK UP OF UNIT COST & ACTUAL PRODUCTION OF ROLLING STOCK  
UNIT COST OF PRODUCT**

(Fig. In lacs of Rs.)

COACHES	year	Direct Cost		OVER HEADS COST				Total over heads (5 to 8)	Excise Duty	Total Cost (3+4+9+10+11)	Proforma Charges	Actual Production
		Labour	Material	FOH	AOH	TOH	SOH	(5+6+7+ 8)				
1	2	3	4	5	6	7	8	9	10	12	13	14
LWACCN(AC-3Tier)	2011-12	9.83	196.78	28.82	8.82	0.77	3.55	41.96	5.72	254.29	0.00	16
	2012-13	10.02	200.34	29.36	8.98	0.78	3.61	42.73	5.23	258.32	0.00	27
	2013-14	4.25	212.17	41.82	12.80	1.11	0.91	56.64	5.63	278.69	0.00	77
	2014-15	8.79	217.61	7.99	20.52	2.83	3.9	35.24	5.5	267.14	0.00	70
	2015-16	12.23	169.43	38.01	25.92	4.79	0.18	68.9	8.32	258.88	0.00	160
LWSCZAC(AC-CC)	2011-12	9.32	194.70	27.34	8.37	0.73	3.43	39.87	5.64	249.53	0.00	2
	2012-13	7.53	199.45	28.83	8.82	0.76	3.61	42.02	5.13	254.13	0.00	18
LWACCW(AC-2Tier)	2012-13	8.09	196.39	28.48	8.72	0.75	3.57	41.52	5.07	251.07	0.00	20
	2013-14	4.26	203.63	41.38	12.67	1.10	0.90	56.05	5.44	269.38	0.00	43
	2015-16	8.67	175.1	27.45	18.72	3.46	0.12	49.75	11.49	245.01	0.00	60
	2014-15	7.06	218.95	6.41	16.49	2.27	5.36	30.53	5.37	261.91	0.00	33
LWSCN(Sleeper)	2014-15	5	156.63	8.03	11.68	1.61	3.84	25.16	3.84	190.63	0.00	26
	2015-16	4.46	131.08	15.41	10.51	1.94	0	27.86	3.77	167.17	0.00	53

YEAR WISE PRODUCTION OF COACHES

Coach Type	2011-12	2012-13	2013-14	2014-15	2015-16	Total
LWACCW(2nd AC)	0	20	43	33	60	<b>156</b>
LWACCN(3rd AC)	16	27	77	70	160	<b>350</b>
LWFCZAC(Exc-Class)	0	5	0	0	0	<b>5</b>
LWSCZAC(AC-CC)	2	18	0	0	0	<b>20</b>
LWSCN(Sleeper)	0	0	0	26	53	<b>79</b>
					<b>G.Total</b>	<b>610</b>

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## Civil Engineering Department

### General-

- 1.1 MCF/RBL complex at Lalganj District Raebareli is spread over 540 Hectares of land out of which Workshop area is 187 Hectares, township area 335 hectares and remaining 18 hectares is used in rail connectivity from Lalganj railway station.
- 1.2 Workshop comprises approx. 1.93 lakh sqm covered structures. There are 1272 staff quarters (872 type-II, 240 type-III & 160 type-IVDS) including several service buildings in workshop and township. Besides, there are several community facilities such as shopping complex, school, clubs and rest houses separately for workers, supervisors and officers. Balance works of the establishment of MCF are in progress. Cost of occupied/commissioned Civil Engg. assets is Rs. 920 Cr. (approx.)
- 1.3 Dense forestation of 40000 trees has been done in township side in consultation with Forest Department UP. Nature of soil in MCF is alkali (Usar). A consultancy has been given to NBRI –CSIR for suggesting modus operandi for further plantation and development of greeneries & landscaping Efforts are being made to cover entire area of campus with plantation/greenery and maintain it suitably. In context of above, 2000 trees were planted in monsoon period of 2016.
- 1.4 IMS certification for workshop is in under process. Main emphasis is given on conservation of natural resources and to provide green & eco friendly environment. Entire sewage of factory and township is being treated in STPs (capacity 1.1MLD + 0.4 MLD in township and 1.1 MLD in factory). Treated water distribution network for its use in irrigation of greeneries & plantation is likely to commissioned in FY 2016-17
- 1.5 Assets are being maintained regularly on planned manner with minimum departmental labour. General sanitation & horticulture activities are being outsourced along with other civil engineering maintenance works & special sanctioned works. Efforts of Civil Engg. Deptt. are to maintain assets regularly in due time with economical methods. All efforts are being made to maintain pollution free and pleasant environment in this Production Unit of Indian Railways.

- 1.6 Pre-fabricated structure with double layered roof sheeting has been used in various sheds of workshop. Large window openings with adjustable louvers have been provided to reduce the effect of heat in summer in most workshop structures, Skylights have been provided in roofs to facilitate day light and conserve electricity.
- 1.7 To integrate township with factory & admin building and avoid crossing of National Highway, 02 RUB has been constructed.
- 1.8 To inculcate community feeling and to carryout cultural activities & extracurricular activities, an auditorium of capacity 570 seats has been commissioned.

## 2.0 Organisation setup-

- 2.1 Civil Engineering Department is headed by Chief Engineer, who is assisted by 02 Dy. CE & 02 XENs.

Detail of sanction/on roll staff in engineering department is as under;

Category		Sanc. Strength	On Roll	Vacancies
Officers		12	05	07
Group 'C'	Supervisor	22	14	08
	Ministerial	17	08	09
	Artisan	27	08	19
Group 'D'		42	28	14
<b>Total</b>		<b>120</b>	<b>63</b>	<b>57</b>

There are 9 SSE/JE/W to maintain building & structures and 2 SSE/P-ways to maintain rail connectivity network along with handling of special sanctioned and project works.

## 3.0 Main features-

### 3.1 Water Supply

There are 3 tube wells in colony and 2 tube wells in workshop each with pumping unit. Requirement of water supply in colony as well as in workshop is met with through 200mm dia, deep tube-wells (320m to 360m) having enough yield.. Water from the tube wells is pumped to over head tanks. Total capacity of available 5 over head tanks is 2025 KL. Individual capacity and location of these over head tanks is as under.

OHT No.	Location	Capacity (KL)	Staging
OHT 1	Near type-II Colony in township	600	22 m high
OHT 2	Near type-V Colony in township	300	22 m high
OHT 3	Near type-IVDS Colony in township	450	22 m high
OHT 4	Near Gate No. 2 of Workshop	225	22 m high
OHT 5	Near MRS of Workshop	450	22 m high

Total length of main water pipe line in township is 25.50 km and in workshop is 16.00 km.

Average daily requirement of water is about 2160 KLD (1800 KLD for Township and 360 KLD for Workshop). Every effort are being made to reduce consumption of ground water by providing push cock type taps at public places and prevent leakages from roof top tanks. This demand will further reduced drastically after commissioning of distribution network of treated effluent for irrigation of lawns/greeneries in workshop and parks, service buildings, playgrounds and Type-IV & V quarters in township.

### 3.2 Rain Water Harvesting

Water requirement of MCF is met through ground water. To prevent depletion of ground water table of the area with the passage of time, an exhaustive plan of RWH in factory and township has been finalised to directly recharge 25% annual extracting quantity. These RWH pits and network is likely to commission before monsoon of 2017.

### 3.3 Fire Fighting Arrangements

Sufficient fire hydrants at strategic points in the workshop and administrative building have been installed to meet emergency requirement. 1 static ground water tanks of capacity 900KL and 01elevated tank of capacity 332KL has been provided.

### 3.4 Sewerage System

Sewerage system is separate from storm water drains. The sewage is carried to sewage treatment plants (STP) 1.1 MLD near type-II colony, 0.4 MLD near type-IVDS colony and 1.1 MLD in factory. These STPs are working on SBR technology. The details of sewers are as under.

SN	Description	Length(meter)	
		Workshop	Township
1	SW 200mm dia	4537	7725
2	SW 250mm dia	2011	2410
3	SW 300mm dia	-	888
4	RCC pipes 300mm dia	-	904
5	RCC pipes 350mm dia	465	1185
6	RCC pipes 400mm dia	696	-
7	RCC pipes 450mm dia	210	1907
8	RCC pipes 500mm dia	-	1588
9	RCC pipes 600mm dia	-	2142
10	RCC pipes 600mm pipe NP2	-	50
11	RCC pipe 800 mm Pipe	-	3370
<b>Total</b>		<b>7919</b>	<b>22169</b>

### 3.5 Storm water drains-

Entire MCF complex has a well planned open drainage and covered drainage system network which is ultimately discharge into natural drain (Mathana Nala) available in campus. Drainages are planned along both sides of main roads. To ensure proper functioning of storm water drains cleaning of drains before on set monsoon is being ensured. Detail of storm water drainage is as under;

SN	Description	Length(Meter)	
		Workshop	Township
1	RCC covered drain	9015	5000
2	RCC open drain	6296	15000
3	Brick drain (open)	-	9000
Total		15311	29000

### 3.6 Service roads-

There is well planned service road network. Details of road is as under

SN	Description of Road	Area(Sqm)	
		Workshop	Township
1	CC Road	82785	-
2	Bituminous Road	11123	219257

#### 3.6.1 Other features of Civil Engineering Department of MCF are as under

##### Land

Private land	283Ha
Govt land	189Ha
Gram Sabha land	68Ha
<b>Total</b>	<b>540 Ha</b>

(Book Value approximate 60cr.)

### 3.7 Boundary Wall (km)

(i) Township	10.78 Km
Workshop	5.50 Km
<b>Total</b>	<b>16.28 Km.</b>

Entire premises of MCF/RBL are enclosed with gap less boundary.

#### (ii) Fencing/boundary wall of assets

Location	Brick walled	Fabricated concrete panel	Expansion metal/chain link fencing	Total length (Meter)
Township	14013	715	30555	45283
Workshop	3457m	0	0	3457
<b>Total</b>	<b>17470</b>	<b>715</b>	<b>30555</b>	<b>48740</b>

### 3.8 Residential Accommodation

Type	No. of quarters
II	872
III	240
IVDS	160
IVSS	70
V	46
VI	4
GM Bungalow	1
<b>Total</b>	<b>1393</b>

### 3.9 Workshop Structures (sqm)

(i) Covered area	=	2,69,800
(ii) Un-covered area	=	1,39,318

### 3.10 Other Structures (sqm)

(i) Service Buildings	=	6,858
(ii) Anc. Build. in Workshop	=	8,600

### 3.11 Welfare Buildings (sqm)

(i) Township	=	14,509
(ii) Workshop	=	3,850

### 3.12 Track

Description	Length(Km)
Ballasted Track	7.905
Embedded Track	13.318
Points & crossing	17 Nos

### 4.0 Expenditure during financial year 2015-16

(Rs.inTh)

SN	Plan head	Allocation	Expenditure
1	4200	Cap	10,90,000
2	6400	Cap	300
3	7200	WMS	1,00,000
<b>Total</b>			<b>11,90,300</b>

### 5.0 Major Achievement of the year 2015-16

#### 5.1 (By MCF in house)

- First time award of maintenance contract of township
- Creation of IRPSM for MCF works programme
- Successful Start of Swachh Bharat Mission

- Space for GM camp Office at Thompson Road & Present ORH and subordinate Rest house taken from NR
- Horticulture Consultancy given to NBRI
- Provision of road side indicator boards

## **5.2 In interface with M/s IRCON-**

- Sanction of Revised Estimate
- Approval of GADs and subsequent drawing structures costing Rs. 100 Cr. (*ORH at NDLS, revised drawings of various structures*)
- Recoupment of bills- Rs. 87 Cr.
- Commissioning of assets worth Rs. 200 Cr. (*ORH & Club, Welfare Centre, SRH & Club, WRH & Club, GM Bungalow, Quarter type VI 4, type-V 23, type-IVSS 42, type-IVDS 128, type-III 120 & type-II 512 quarters, ORH at NDLS, Canteen in workshop, Fire station, RPF post, CMT lab, 5 Nos. each Office cum locker blocks & Toilet cum parking blocks, Parking sheds in Admn block, TTC & workshop*)
- Taking over assets worth Rs. 730 Cr. (*TTH, ORH, Officer's Club, Welfare Centre, SRH & Club, WRH & Club, Township Gate, Water Supply, Sewer Network with STP, Balance quarters except 10 type-IVSS & 11 type-V, GM Bungalow, Greenery & Road network of entire township, Shell shop, TTC, Admn block, Canteen in workshop, Shell shop, Paint shop, Garnet shop, Wheel shop, Bogie shop, Transport shop, Machine shop, Tool room, Millwright shop, Scrap yard, Auction hall, Fire station, RPF post, 5 Nos. each Office cum locker blocks & Toilet cum parking blocks*)

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## Personnel

### 1. Over all Cadre position of MCF/RBL as on 31.03.2016

S.No.	Category	Revenue	W/C	Total	On roll	Vacancy
1	Gazetted	148	38	<b>186</b>	103	<b>83</b>
2	Supervisors	342	62	<b>404</b>	315	<b>89</b>
3	Artisan	1275	00	<b>1275</b>	1105	<b>170</b>
4	Ministerial	286	14	<b>300</b>	104	<b>196</b>
5	Others (A/C, RPF, Med.)	163	30	<b>193</b>	172	<b>21</b>
6	Group-D	500	71	<b>571</b>	518	<b>53</b>
<b>Total</b>		<b>2714</b>	<b>215</b>	<b>2929</b>	<b>2317</b>	<b>612</b>

#### a) Cadre of Gazetted Officers

The staff strength of Gazetted cadre during the year 2015-2016 is given below:-

S.No.	Category	Revenue	W/C	Total	On roll	Vacancy
1	HAG+	01	00	<b>01</b>	01	<b>00</b>
2	HAG	01	01	<b>02</b>	02	<b>00</b>
3	SAG	18	06	<b>24</b>	19	<b>05</b>
4	SG/JAG	35	17	<b>52</b>	31	<b>21</b>
5	SS	35	12	<b>47</b>	22	<b>25</b>
6	JS/Group-B	58	02	<b>60</b>	28	<b>32</b>
<b>Total</b>		<b>148</b>	<b>38</b>	<b>186</b>	<b>103</b>	<b>83</b>

#### b) Cadre of Non-Gazetted Staff

The staff strength of Non-Gazetted cadre during the year 2015-2016 is given below:-

S.No.	Category	Revenue	W/C	Total	On roll	Vacancy
1	Supervisors	342	62	<b>404</b>	315	<b>89</b>
2	Artisan	1275	00	<b>1275</b>	1105	<b>170</b>
3	Ministerial	286	14	<b>300</b>	104	<b>196</b>
4	Others (A/C, RPF, Med.)	163	30	<b>193</b>	172	<b>21</b>
5	Group-D	500	71	<b>571</b>	518	<b>53</b>
<b>Total</b>		<b>2566</b>	<b>177</b>	<b>2743</b>	<b>2214</b>	<b>529</b>

### 2. a) Work Charged Gazetted Posts

The details of work charged/temporary gazetted posts created/Extended during the year 2015-16 are as under:-

S.No.	Deptt.	Grade	Period of Currency	
			From	To
1.	Mech.	01 HAG	01.04.2015	31.03.2016
		02 SAG	01.04.2015	31.03.2016
		06 JAG/SS/JS	01.07.2015	30.06.2016
2.	Per.	01 SAG	01.04.2015	31.03.2016
		04 JAG/SS/JS	01.07.2015	30.06.2016
3.	Med.	01 JAG	01.07.2015	30.06.2016
4.	Acct.	01 SAG	01.04.2015	31.03.2016
		08 JAG/SS/JS	01.07.2015	30.06.2016
5.	Store	01 SAG	01.04.2015	31.03.2016
		04 JAG/SS/JS	01.07.2015	30.06.2016
6.	Elect.	02 JAG/SS/JS	01.07.2015	30.06.2016
7.	Civil	01 SAG	01.04.2015	31.03.2016
		03 JAG/SS/JS	01.07.2015	30.06.2016
8.	Security	01 SS	01.07.2015	30.06.2016
9.	S&T	02 JAG/SS/JS	01.07.2015	30.06.2016

### b) Work Charged Non-Gazetted Posts

The details of work charged/temporary non-gazetted posts created/Extended during the year 2015-16 are as under:-

S.No.	Deptt.	No. Of Posts	Period of Currency	
			From	To
1.	Supervisor	62	01.04.2015	31.03.2016
2.	Ministerial	18	01.04.2015	31.03.2016
3.	Others (A/c, Security, Gen. Admn)	29	01.04.2015	31.03.2016
4.	Group 'D'	68	01.04.2015	31.03.2016
<b>Total</b>		<b>177</b>		

### 3.

#### Indent Position

The following Indents have been placed and received during the year 2015-16, their details are as under:-

Category	Indent placed	Panel received	Balance	Remarks
SSE(Mech.)	10	10	00	
JE (Mech.)	38	33	05	
JE/IT	05	04	01	
CMA	08	06	02	
SSE/D&D	02	02	00	
JE/D&D	07	06	01	
Sr. Clerk	10	00	10	
Others (Med & G branch)	10	00	10	
<b>Total</b>	<b>90</b>	<b>61</b>	<b>29</b>	

#### 4. Appointment In Group C & D against various quotas

The detail of appointments on various quotas during the year 2015-16 is as under:-

S.No.	Category	For the year 2015-16
1	Compassionate Ground	4
2	Sports Quota	-
3	Ex-Serviceman Quota	-
4	Physical Handicapped Quota	-
5	Crash Programme for wiping out shortfall of SC/ST	-
6	Casual Labour absorbed	-
7	No. of Staff Recruited Scout/Cultural Quota	-
8	Sub. Act App. B/Kh	-
<b>Total</b>		<b>4</b>

#### 5. Settlement Dues

Total no. of cases in which payment has been made of settlement dues during the year 2015-16.

SNo.	Nature of Settlement	No. of Cases received	No. of Cases Settled	Balance Cases
1	Superannuation	03	03	NIL
2	Voluntary Retirement	-	-	-
3	Compulsory Retired	-	-	-
4	Resignation	-	-	-
5	Removal & Dismissal	-	-	-
6	Medical Unfit Cases	-	-	-
7	Death Cases	04	03*	*01 case partially pending (NPS Case)
<b>Total</b>		<b>07</b>	<b>06</b>	

#### 6. Promotion

During the year selections, suitability & Trade Test were conducted. 285 Non-Gazetted employees of various categories have been promoted. 26 employees of various departments have been promoted to Group "B" Gazetted.

Beside this all MACP cases due during financial year have been finalized.

S.no.	Category	Number of staff promoted this year.
1	Gazetted	26
2	Supervisor	20
3	Ministerial	38
4	Artisan	227
<b>Total</b>		<b>311</b>

**7. Recruitment**

460 numbers of employees have been recruited in the following categories during the period of 2015-16.

S.No.	Category	Recruited
1	Supervisors	00
2	Ministerial	94
3	Technicians	16
4	Group-D	350
	<b>Total</b>	<b>460</b>

**8. VIP References**

42 No. of VIP references were received from Railway Board/MPs/MLAs during the year 2015-16. All these references have been replied.

**9. Bonus**

In the years 2015-16 group-C&D staff of MCF/RBL has been Paid productivity linked Bonus detail of which is given as below:-

No. of Employees 2015-16	Productivity Linked Bonus (In Rs.)
2007	2,99,84,562.00

**10. Salary Payment during 2015-16:-**

No. Of Staff	Amount Paid
Gazetted	10,76,39,841.00
Non Gazetted	61,85,62,993.00
<b>Total</b>	<b>72,62,02,834.00</b>

**11. Disbursement of Advances for the year 2015-16:-**

Following advances on various accounts had been disbursed during the year 2015-16 as under:-

HEADS	FUND ALLOTTED	FUND PAID	FUND BALANCE	No. of Staff
HBA	26,00,000	NIL	26,00,000	NIL
M.CAR	1,80,000	NIL	1,80,000	NIL
M.CYCLE/SCOOTER	7,32,000	7,32,000	NIL	25
COMPUTER	3,00,000	3,00,000	NIL	07
CYCLE	3,000	3,000	NIL	01
<b>TOTAL</b>	<b>38,15,000</b>	<b>10,35,000</b>	<b>27,80,000</b>	<b>33</b>

**12. Online Portals being operated at MCF/RBL:-**

- ARPAN
- COMPTRAN
- CPGRAMS

**13. In house training of Personnel Branch Staff:-**

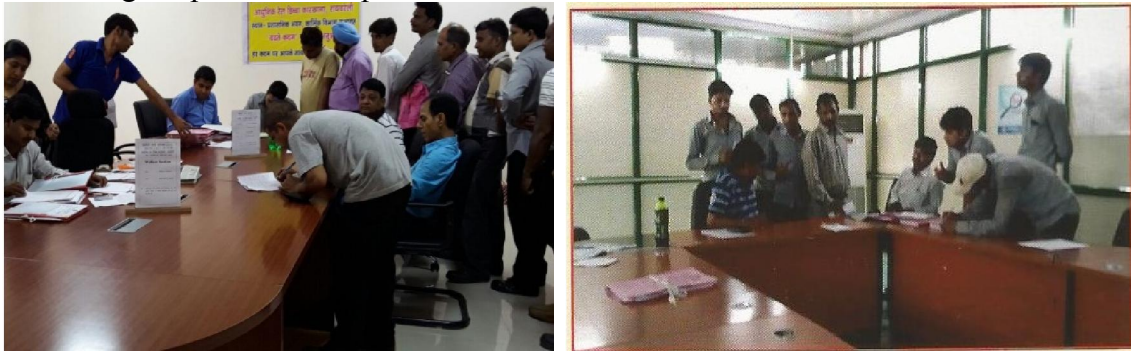
Classes were held for giving basic training to the directly recruited ministerial staff through RRBs for their induction into railways by Personnel Branch officers.

**14. Industrial Relation:-**

During the year 2015-16, the industrial relations have remained cordial at MCF, Raebareli with not even a single incident of unrest or indiscipline.

**15. Staff Contact and Grievance handling:-**

03 grievance camps were held within the factory premises and approximately 150 grievances were collected by contacting the staff personally and were disposed of due course. Besides this a drive was launched for updation of service record and staff was contacting for perusal and updation of the same.



Karamchari Sampark Abhiyan

**16. Staff Welfare**

- SBF created for staff of MCF in the year 2014.
- A branch of KV, Raebareli made operational from Nov 2013 for classes upto 9th standard.
- Staff of MCF, RBL got co-opted with NR Primary Co-op society of Lucknow.
- Karamchari Kalyan Kosh started on basis of wilful contribution by the employees to help staff in distress and death cases.
- Staff grievance camps being held regularly in the factory.
- Enrolment of Railway staff for Territorial Army has been started.
- Competition of poster making and essay writing has been organized on the subject of Swachhh Bharat Mission.



- Women empowerment camp held in Feb 2016 and visit to Dalmau, Uttar Pradesh:-



- A martial Art Camp is regularly working in the supervision of trained teachers:-



#### 17. Staff Benefit Fund:-

The staff Benefit Fund Committee continued to function effectively and satisfactorily. Brief particulars of disbursements made for various objectives are as under:-

Description	Expenditure in Rs.
Education of children/works of staff	Nil
Education of Girls Children of Group-D Staff	Nil
Recreation other than sports	Nil
Cultural Activities	41,264.00
Relief of distress and Scheme of Sickness.	70,000.00
Relief of distress for Class-IV Emp.	Nil
Miscellaneous.	10,790.00
Women Empowerment Activities.	20,000.00
Recreational facilities to Supervisors.	Nil
Recreational facilities to Workers Club.	Nil
Indigenous system of Medicines including Homeopathic.	Nil
Financial help to Physically & Mentally/Challenged Children	Nil
<b>Total</b>	<b>1,42,054.00</b>

**18. Canteen (Factory premises and Admn. Building):-**

One modern and well equipped statutory Staff Canteen has been established in workshop area, which caters to the needs of more than 2500 employees, in supplying Tea/Snacks/Cold-drinks and meals (lunch) etc. It has a seating capacity of 400. One small canteen in Administrative block is also supplying samosas, tea, coffee, soup and cold drinks to the staff working in Administrative Block.



**19. Celebration of various important events/days:-**

Important events during 2015-16 like Independence day, Republic day, Railway Week Function, Yoga day, Ambedkar Jayanti etc. were organized with full enthusiasm.



**Republic Day Celebration**



**Independence Day Celebration**



**Railway Week Award Function -2015**



**Yoga Day Celebration**



**Children's Day Celebration**

**20. Activities of MCFWWO**

One of the major activities of MCFWWO is being run in the form of Gyanda Bal Mandir, a Play group for the children of employees of MCF/RBL. It is running with 02 class rooms and having a well equipped play room, kitchen and play area for the children. The school holds various functions on all important dates like Republic day, Independence day, Children's day and Teacher's day.





## Medical

1. Sanctioned strength of Doctors in MCF/RBL Hospital is 14, but only 4 regular doctors and three CMP, one Dentist and Homeopathic Doctor are posted. Filling up remaining post is under process.
2. Digital X-ray machine has been installed.
3. Fully automatic Bio Chemistry Analyser installed.
4. 65 cases of Medical Reimbursement were received and 65 have been cleared.
5. O.P Chaudary hospital lucknow has been empanelled for treatment of MCF beneficiaries for 2<sup>nd</sup> year has been initiated on receipt of the interest to continue.
6. Registration of firms for supply of medicine and other hospital items started. Regular indent for Medicines are being placed for procurement through COS. For those not received through indent procurement by local supply order on three quotations basis.
7. Urgently required drugs are procured through cash imprest.
8. School Health check up camp, Cardiac, Diabetes and Hyper tension camp & Blood donation camp were organized.
9. ECG machine, Multipara Monitors, suction Machine, D-Fibrilators, CPR instruments were added to be Emergency room.
10. Emergency started with 2 beds & then 6 beds have been added.
11. One ambulance has been procured by M&P.

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## Vigilance Department

### ➤ History of Vigilance Department in MCF/RBL:

- Modern Coach Factory, Raebareli is under setting up stage and we are now taking over functions independently. There are seven departments in this organisation, i.e.:  
(i) Mechanical (ii) Electrical (iii) Stores (iv) Accounts  
(v) Personnel (vi) Civil and (vii) General Administration.
- Before setting up of Vigilance Office, SDGM/NR was our Vigilance Officer. At present against the 178 sanctioned posts in Gazetted cadre only 104 posts are in operation along with 2209 number of non-gazetted posts. At present a small vigilance office is working, which will be expanded in future.
- Shri. A. K. Srivastava, CEE/MCF/RBL had taken over the charge of Chief Vigilance Officer/MCF/RBL on 17.11.2015.
- Shri. Anil Kumar, Dy.CME/Mfg&Bogie/MCF/RBL had taken over the charge of Dy. Chief Vigilance Officer/MCF/RBL on 04.12.2015.

### ➤ Summary of Cases:-

- 01 PIDPI & CVC referred complaint and 07 Railway Board referred complaint have been finalized.
- 03 Vigilance Cases of Gazetted officers have been closed and 03 Vigilance Cases are under investigation.
- 01 Vigilance Case of Non-Gazetted employee has been closed and written counselling issued.

### ➤ Vigilance Awareness Week observed from 26.10.2015 to 31.10.2015 at MCF/RBL.



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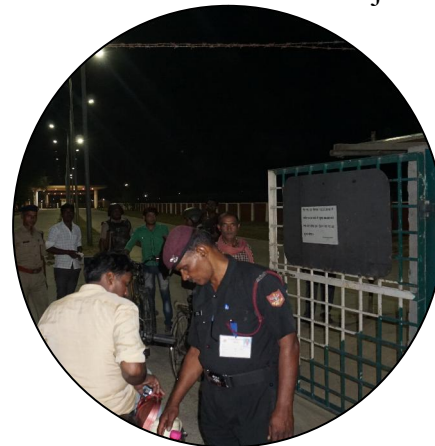


## Security

### GENERAL

Railway Protection Force has assumed the duties of Protecting the Railway Property of the Modern Coach Factory, Raebareli since 15<sup>th</sup> February, 2011. Railway Protection Force (RPF) is an Armed Force of the Union. The Responsibility of this Unit is to protect the Railway Assets of the Modern Coach Factory, Raebareli. For this purpose, Strength of 63 members of the Force has been sanctioned.

At MCF, RPF has a set up of Executive Branch and Crime & Special Intelligence Units. A 24X7 Security Control Room has also been operationalised. All these Units work under the control and command of Senior Security Commissioner/RPF. The Administrative Control of this Security Department lies with Inspector General-cum-CSC/RPF/Northern Railway, Baroda House, New Delhi and General Supervision is under the Chief Project Manager, MCF.



This Factory is being set up in 540 hectare land, which includes construction of a modern, eco-friendly Township with need based Social Infrastructure for providing Residential Accommodation to its Employees.

The Modern Coach Factory, Lalganj, Rae Bareli, is situated at 05 Km east of Lalganj Railway Station on Lalganj-Raebareli Road. The Factory Area is spread across 1.67 Sq.Km, and Township Area is spread across 353 Ha land.

The Township is encircled by a 10.57 Km Long Perimeter Boundary Wall and the length of the Perimeter boundary wall of the Workshop is 5.4 Kms. The MCF area falls under the jurisdiction of Police Station, Lalganj. The Police Station, Lalganj comes under Lucknow range which is headed by an IG, Uttar Pradesh Police.

The Railway Protection Force is being assisted by Uttar Pradesh Purva Sainik Kalyan Nigam Limited (A UP Government Undertaking), who had been awarded a Contract for a Period of 12 months from the date of actual commencement of the work. ( viz; from 10.07.2015 to 09.07.2016) for Guarding the Railway Property in the indentified Non-Core Areas, having a strength of 79 Security Guards.

### **POSTING & TRAINING**

The General tenure of Non-Gazetted RPF Personnel at MCF is for 3-5 years. The Periodical Transfer of RPF staff is carried out by the IG-cum-CSC/RPF/NR. The Members of the Force are regularly trained to update their Soft & Hard Skills.

The Present Strength for the year 2015 of the RPF Personnel is as under:

<b>Description</b>	<b>Sr.SC</b>	<b>SC</b>	<b>IPF</b>	<b>SI</b>	<b>ASI</b>	<b>HC</b>	<b>Const</b>	<b>Total</b>
Sanction Strength	01	01	02	07	08	12	34	65
Present Strength	01	-	02	04	06	04	43	60
Vacancy	-	01		03	02	08	+9	05

During the year 20 RPF personnel from Constable to SI were deputed for RSMS Course, CCTV Course, Fire Fighting Course and Commando Course.

### **DOG SQUAD**

The Dog Kennel for 01 Tracker & 01 Sniffer Dog has been proposed for which a Dog Kennel is to be constructed. The matter is under active consideration by the Competent Authority.

### **ACCOMODATION**

Accommodation is provided to the RPF Staff in the Railway Quarters, the details of which is as under:

<b>S. No.</b>	<b>Number of Personnel</b>	<b>Rank</b>	<b>Type of Quarter</b>
01	01	Sr.SC	Type-V
02	02	ASI	Type-III
03	01	HC	Type-III
04	05	CT	Type-II

The RPF barracks comprising of 32 bedded Barrack (For Male Personnel) and 10 bedded Barrack (For Female Personnel) is under construction in the first Phase in the Township Premises which is Scheduled to be completed in the month of December, 2016.

### **CRIME CONTROL**

During the year 2015-2016, the RPF was able to successfully implement the Zero Tolerance Policy as the result of which, no case of theft of Railway Property was registered. This result was achieved due to 24 X 7 hours Patrolling, Strict Access Control at all the Entry/Exit Gates and round the clock Surveillance of the Identified Vulnerable Points.



## **ARMS AND AMMUNITION**

This RPF unit is equipped are latest Weapons, the details of which are as under:

Name of the Weapon	Quantity	
	Arms	Ammunitions
Rifle 7.62 mm {SLR}	04 Nos.	400 Nos.
Rifle 5.56mm {INSAS}	08 Nos.	800 Nos.
Pistol Auto 9mm	22 Nos.	1380 Nos.
Carbine Machine Gun 9mm	08 Nos.	

## **MODERNISATION**

To strengthen the working of the Force, the Force has been provided with latest Security Gadgets modern Bullet Proof Jackets & Helmets, Polycarbonate Shield and Canes, Dragon Search Lights, High resolution CCTV Based Surveillance System etc.



## **ACCESS CONTROL**

It is proposed to realize an IP based integrated security system for Intruder Detection, Alarm Generation and Protection. The Security System shall comprise of the following Sub Systems:

1. IP based CCTV Cameras
2. Audio Hooter System
3. Lighting (Floodlights) and
4. Central Monitoring System (CMS)

The system shall have the following features:

- Totally an IP based network, digitally controlled and remote monitoring system.
- Graphical Mimic Panel at Control Room
- IP based Access Control System for MCF/RBL is being designed and finalized.
- This System will be integrated with the n electrically controlled Boom Barriers & RFID Based identification System at the Entry/Exit Gates.

## **THE FUTURE ROADMAP**

- Developing a State of the Art Integrated Security Architecture Comprising of Intrusion Detection System and RFID based Access Control
- Achieving Higher standard of efficient Practices as specified by the ISO
- Introducing Aerial Surveillance which will complement the Ground Access Control and will also help in Speedier Rescue & Relief Operations during Disaster Incidents.

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## Sports Association

### 1.0 Cricket

Sh. Vikash Chawdhary, OS stores department was nominated as fitness trainer for Indian Railway U-23 Cricket team for Col. C.K. Naydu Trophy held at different places. MCFSA Cricket team participated in 61<sup>st</sup> All India Railway Cricket Tournament held at Gorakhpur from 01/03/2016 to 10/03/2016. Inter department tournament was conducted at MCF Cricket stadium and won by Furnishing shop.

### 2.0 Golf

MCF Golf team participated in 60<sup>th</sup> All India Railway Golf Championship 2015-16 at WCRSA Jabalpur from 18<sup>th</sup> to 20<sup>th</sup> Nov. 2015.

### 3.0 Football

MCF football team participated in All India Railway Football Championship 2015-16 at SER Kharagpur. Inter department tournament was conducted at MCF Football Stadium and won by Furnishing shop.

### 4.0 Hockey

MCF hockey team participated in District Hockey league and secured place in semi-final.

### 5.0 MCFSA organised All India Railway Kabaddi Championship 2015-16.

64<sup>th</sup> Men & 39<sup>th</sup> Women all India Railway Kabaddi Championship 2015-16 was organised in befitting manner from 19/03/2016 by MCF Sports Association at Gomati Indoor Stadium, Lalganj Raebareli and more than 25 teams and around 400 players & officials from different Railways were participated in this event. MCFSA also organised Coaching camp of Indian Railway Kabaddi teams of Men & Women.

Men Winner- Northern Railway

Women Winner- Western Railways

### 6.0 Summer Coaching Camp.

MCFSA had organised summer coaching camp at MCF during the summer vacations in following games and around 250 children between age group 04 to 18 years were participated in to the event.

- |              |              |            |                 |
|--------------|--------------|------------|-----------------|
| 1. Hockey    | 2. Football  | 3. Cricket | 4. Table Tennis |
| 5. Badminton | 6. Athletics |            |                 |

### 7.0 Bal divas Khel Mela.

Bal divas khel mela inaugurated by MCFSA for children age group between 02 to 12 years and around 300 Children were participated.

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## Sanskritik Sangathan

In the financial year 2015-16 this organization has organized/participated in the following cultural programs:-

1. MCF Sanskritik Sangathan (MCFSS) organized a cultural program was organized in association with Indian People Theater Association (IPTA) Unit Raebareli in which a play named "PAGALA GHORA" written by Sh Badal Sarkar on the 13 May 2015 with the association of IPTA.



2. MCFSS team First Time participated in Inter Railway Drama Competition organized at Kharagpur, Eastern Railway from 06/08/2016 to 08/08/2016.



3. A befitting cultural program was organized in TTC Auditorium to celebrate 68<sup>th</sup> Independence Day in MCF Raebareli on 15/08/2015. National Flag was hoisted by Sh Alok Dave General Manager in Administrative Block Compound. The cultural program was enjoyed by one and all from MCF family.



4. To explore talent in our employees and their wards, MCFSS organized a talent hunt competition 2015 on 05/11/2015. MCF family participated with great enthusiasm.



5. To promote the cultural activities among the employees and their wards a variety program was organized in which all artists were our employees and their ward on 30/11/2015.
6. A cultural program “Srijan” 2016 was organized by MCFSS on 25/01/2016. In this program, Katthak Nritya performance given by Sri Mukesh Kumar Mishra and associates, a Local Artist Group of Pandit Birju Maharaj Gharana and a play named “Railway Station” performed by our employees and their wards were highly appreciated by the audience.



7. On 06/02/2016, with the help of SPICMACAY we organized a show of Chhou Dance which was performed by Tarapada Chhou Dance Academy, Puruliya, West Bengal. The artist gave performance named “Mahishasurmardini”.



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